

Årsberetning 2021

Sino-Danish Center for Education and Research

Copenhagen Business School



SDC

The university partnership
Denmark – China

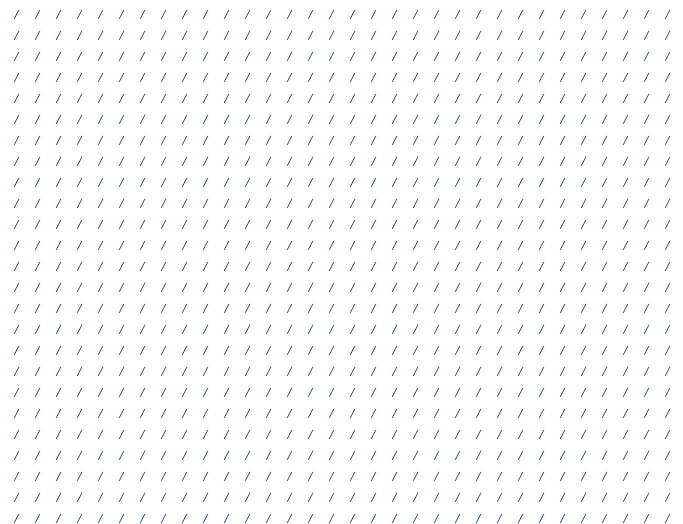
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Indledning

En ekstraordinær indsats

De seneste år har forskere, undervisere og studerende fra de danske universiteter udvist en helt særlig grad af initiativlyst og fleksibilitet for at styrke det dansk-kinesiske samarbejde inden for SDC, på trods af at samarbejdet har været udfordret af globale rejserestriktioner.

Studerende har investeret helhjertet i at skabe et stærkt virtuelt studiemiljø, og undviserne har ydet en enorm indsats i arbejdet med at omlægge undervisningen til online, ligesom forskningssamarbejdet mellem Danmark og Kina stadig udvikles. Antallet af videnskabelige publikationer udgivet inden for rammerne af SDC-samarbejdet er konstant stigende og kulminerede foreløbig i 2021 med knap 400 publikationer, heriblandt publikationer i førende tidsskrifter som 'Nature Communications' og 'Nature Nanotechnology'.

SDC har siden 2012 medfinansieret knap 250 ph.d.-forløb ved de danske universiteter, og i 2021 påbegyndte 21 ph.d.-studerende et forskningsforløb med finansiering fra SDC i rygsækken.

De ph.d.-studerende indgår i samarbejder mellem danske og kinesiske forskningsmiljøer på vej mod en dobbeltgrad, og det høje niveau blev understreget, da ph.d.-studerende inden for SDC Social Sciences Annesofie Lindskov i 2021 modtog Uddannelses- og Forskningsministeriets EliteForsk rejsestipendium.

At få flere danske studerende til at vælge SDC's kandidatuddannelser har fortsat høj prioritet og i 2021 iværksatte det danske SDC-sekretariat en ekstern analyse af rekrutteringsmulighederne. En rekrutterings- og markedsføringsplan, der blandt andet fokuserer på at styrke samarbejdet med de danske universiteter, er under udarbejdelse.

De seneste år har det krævet en stor indsats at sikre et stærkt og velfungerende studiemiljø for SDC's danske og kinesiske studerende. SDC's pædagogiske enhed SMIL (Study Milieu and Intercultural Learning), der er forankret ved Roskilde Universitet, har derfor arbejdet fokuseret på at skabe 'det gode studiemiljø fra optagelse til dimission', og årets studiemiljøundersøgelse viser, at de mange initiativer har ramt plet.

På UCAS' Yanqihu campus i Beijing er SDC's bygning færdiggjort og står nu klar til atter at danne rammen om SDC's mange aktiviteter. SDC har opbygget en stærk vidensbank, når det kommer til samarbejde mellem kinesiske og vestlige institutioner, og samarbejde med erhvervslivet rækker langt udover forskning og uddannelse.

Det tætte samarbejde med danske repræsentationer og virksomheder i Kina blev understreget, da SDC sammen med den danske ambassade i Kina, Det Danske Handelskammer i Kina og Danish-Chinese Business Forum lancerede et nyt redskab til forskere, erhvervsfolk og andre med interesse i det kinesiske marked. Den første udgave af 'Danish Business Outlook on China Index' udkom i januar 2021, og indexet giver indsigt i tendenser inden for en række brancher som energi, life science og fødevarer. Indexet udkommer nu hvert kvartal.

I den danske SDC-bestyrelse afløste prodekan for international uddannelse ved CBS Martin Jes Iversen sin kollega Dana Minbaeva, mens dekan for Natural Sciences ved Aarhus Universitet Kristian Pedersen overtog pladsen efter Lars Bo Nielsen, der skiftede til en stilling som direktør for Lægemiddelstyrelsen.



Årgang 2021 på seminar med fokus på interkulturelt samarbejde og netværk.



Årsregnskab

Resultatopgørelse (DKK 1.000)	2021	2020
Indtægter		
Tilskud fra Uddannelses- og Forskningsministeriet	30.388	34.389
Tilskud fra universiteterne	30.600	30.300
Indtægter i alt	60.988	64.689
Udgifter		
Det danske SDC-sekretariat		
Personaleomkostninger	7.170	7.957
Driftsomkostninger	1.231	1.623
I alt	8.401	9.580
Faglige aktiviteter		
Uddannelsesprogrammer og faglige aktiviteter	19.047	14.898
Ph.d.-medfinansiering	36.208	30.147
I alt	55.255	45.045
Industriens Fonds Hus	4.623	94
Andre omkostninger	945	1.053
Udgifter i alt	69.224	55.772
Årets resultat	-8.236	8.917
Indestående midler ved AU	56.934	65.170

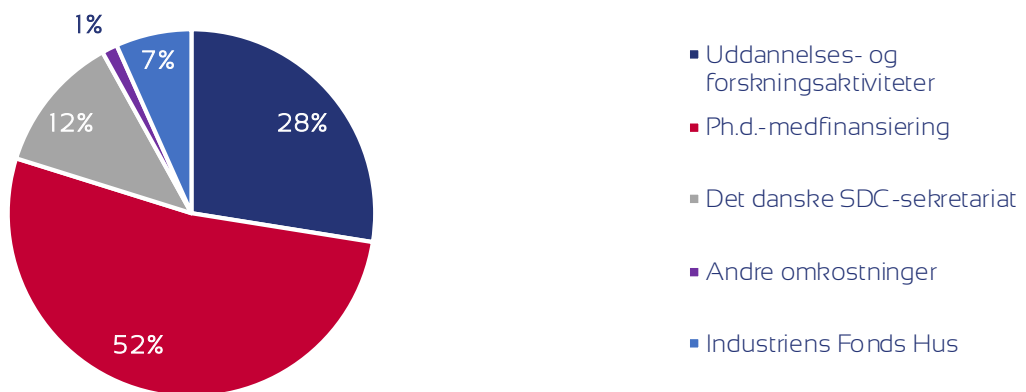
Økonomi

Fra dansk side er SDC finansieret af Uddannelses- og Forskningsministeriet og de danske universiteter. De otte universiteters tilskud beregnes forholdsmæssigt efter omsætning. Udbetalingerne fra SDC til de danske universiteter dækker over ph.d.-medfinansiering samt kompensation for uddannelses- og forskningsaktiviteter i Kina, uddannelsesaktiviteter i Danmark m.m.

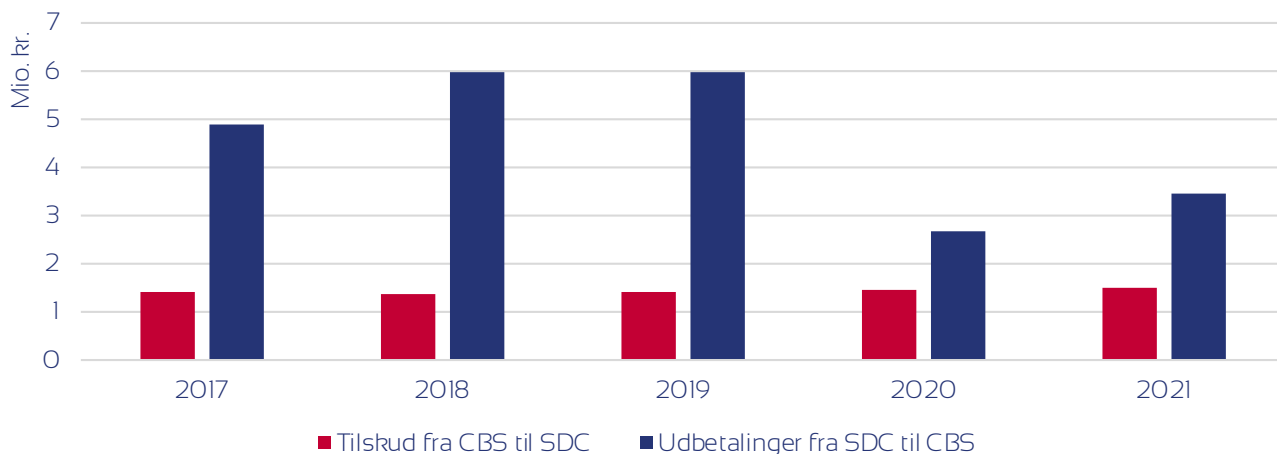
Indtægter 2021 - 61 mio. kr.



Udgifter 2021 - 69 mio. kr.



Copenhagen Business School - tilskud og udbetalinger





Uddannelse

SDC udbyder otte kandidatuddannelser. På hver uddannelse kan optages 15 studerende via de danske universiteter og 15 studerende via University of Chinese Academy of Sciences. Uddannelsen 'Public Management and Social Development' er forankret på Copenhagen Business School. Optaget af studerende til de otte kandidatuddannelser er et fælles anliggende, hvor alle universiteter rekrutterer studerende til SDC's kandidatuddannelser.

Siden 2012 er 54 studerende med en bacheloruddannelse fra Copenhagen Business School optaget på en af SDC's kandidatuddannelser. I 2021 blev der ikke optaget studerende fra Copenhagen Business School.

Optagne 2021 fordelt efter institution og kandidatuddannelse ved SDC

Institutionerne angiver, hvorfra de studerende har deres adgangsgivende bacheloruddannelse

	Neuroscience and Neuroimaging	International Food Quality and Health**	Water and Environment	Nanoscience and Technology	Chemical and Biochemical Engineering	Life Science Engineering and Informatics	Public Management and Social Development	Innovation Management	Total
Aarhus Universitet	3						2	2	7
Københavns Universitet				3			4	1	8
Aalborg Universitet	1							5	6
Syddansk Universitet								4	4
Andre danske institutioner*		4							4
Udenlandske institutioner	2	1	1		1		1	2	8
Total	6	5	1	3	1	0	7	14	37

* VIA University College og Business Academy Aarhus

** De første studerende blev optaget på 'International Food Quality and Health' i 2020.

Optagne 2017-2021 med en bacheloruddannelse fra Copenhagen Business School

	Neuroscience and Neuroimaging	International Food Quality and Health	Water and Environment	Nanoscience and Technology	Chemical and Biochemical Engineering	Life Science Engineering and Informatics	Public Management and Social Development	Innovation Management	Total
2017							1	3	4
2018							5	3	8
2019							6	1	7
2020							2		2
2021									0
Total	0	0	0	0	0	0	14	7	21

Ph.d.-studerende

Nyindskrevne ph.d.-studerende

SDC medfinansierede i 2021 21 ph.d.-studerende, der begyndte et forløb ved de danske universiteter.

Aarhus Universitet

Food and Health

Glenn Hjort Andersen
Line Pedersen

Life Sciences

Mathias Klarlund
Ole Borup Svendsen

Copenhagen Business School

Social Sciences

Armin Scheer

Danmarks Tekniske Universitet

Sustainable Energy

Amalie Vang Høst
Diletta Damiano
Elisabeth Andreae
Jakob Meister
Peter Jul-Rasmussen
Sara Müller

Life Sciences

Magnus Haraldson Høie

Water and Environment

Zhiming He

Københavns Universitet

Food and Health

Claudia Squarzon

Nanoscience

Christina Schöttler Nielsen
Freja Liebach Guttesen

Water and Environment

Mia Staal Jensen

Syddansk Universitet

Sustainable Energy

Nicolai Bo Vanting

Life Sciences

Kamilla Ankær Brejndal

Aalborg Universitet

Social Sciences

Giovanni Giamello
Moumita Sen Gupta

Indskrevne ph.d.-studerende ved Copenhagen Business School

Pr. 31. december 2021 var fire ph.d.-studerende ved Copenhagen Business School medfinansieret af SDC.

Social Sciences

Armin Scheer
Benjamin Cedric Larsen
Federico Jensen
Mathias Lund Larsen



Forskere og undervisere

I 2021 har 22 ansatte ved Copenhagen Business School bidraget til de faglige aktiviteter ved SDC.

Social Sciences

Professor Alan Irwin
Professor Duncan Wigan
Professor Edward Ashbee
Professor Kai Hockerts
Professor Kjeld Erik Brødsgaard
Professor Morten Ougaard
Professor Chee-Wee Tan
Professor Rony Medaglia
Professor Ari Kokko
Professor Björn Jindra
Lektor Oddny Helgadóttir
Lektor Liana Razmerita
Lektor Mads Dagnis Jensen
Lektor Kristjan Johannes Suse Jespersen
Lektor Maria Figueroa
Lektor Michael Jakobsen
Lektor Stine Haakonsson
Adjunkt Maj Lervad Grasten
Postdoc Li Xuan
Ph.d.-studerende Salla Stausholm
Ph.d.-studerende Mathias Lund Larsen

Life Sciences

Lektor Daniel Barratt

Publikationer

I 2021 er der udgivet 375 videnskabelige publikationer inden for rammerne af SDC. Nedenstående oversigt er baseret på søgninger i Web of Science samt Scopus.

Sustainable Energy

Ashrafi Niaki S.H., Chen Z., Bak-Jensen B., Sharifabadi K., Liu Z., Hu S. / On systematic DC fault-ride-through of multi-terminal MMC-HVDC grids, 2021, 56th international universities power engineering conference (upec 2021)

Bai R., Wang J., Wang D., Zhang Y., Cui J. / Selective separation of lithium from the high magnesium brine by the extraction system containing phosphate-based ionic liquids, 2021, Separation and Purification Technology, vol 274

Chang F., Zhan G., Wu Z., Duan Y., Shi S., Zeng S., Zhang X., Zhang S. / Technoeconomic Analysis and Process Design for CO₂ Electroreduction to CO in Ionic Liquid Electrolyte, 2021, ACS Sustainable Chemistry and Engineering, vol 9, pp. 9045-9052

Chang F., Zhang X., Zhan G., Duan Y., Zhang S. / Review of Methods for Sustainability Assessment of Chemical Engineering Processes, 2021, Industrial and Engineering Chemistry Research, vol 60, pp. 52-66

Chen J., Wang H., Deng L., Wang H., Li Z. / Synthesis, characterization, and application of metal-free acidic ionic liquids as catalysts for oligomerization of isobutene, 2021, Fuel, vol 299

Chen X., Wang L., Zhang C., Tu W., Cao Y., He P., Li J., Li H. / The effective and stable Cu-C@SiO₂ catalyst for the syntheses of methanol and ethylene glycol via selective hydrogenation of ethylene carbonate, 2021, International Journal of Hydrogen Energy, vol 46, pp. 17209-17220

Chen Y., Du L., Li S., Song W., Jensen P.A., Lin W. / Pyrolysis of antibiotic mycelial dreg and characterization of obtained gas, liquid and biochar, 2021, Journal of Hazardous Materials, vol 402

Chen Y., Lin W., Wu H., Jensen P.A., Song W., Du L., Li S. / Steam gasification of char derived from penicillin mycelial dreg and lignocellulosic biomass: Influence of P, K and Ca on char reactivity, 2021, Energy, vol 228

Cui L., Fan Y., Li S., Bai R., Guo Y., Cheng F. / Research progress on the theory and new technology for separation of lithium isotopes by chemical exchange, 2021, Huagong Xuebao/CIESC Journal, vol 72, pp. 3215-3227

Dickson R., Mancini E., Garg N., Woodley J.M., Gernaey K.V., Pinelo M., Liu J., Mansouri S.S. / Sustainable bio-succinic acid production: superstructure optimization, techno-economic, and lifecycle assessment, 2021, Energy and Environmental Science, vol 14, pp. 3542-3558

Du S., Yao N., Liu S., Xu Y., Cao J., Zhuang W., Yu J., Wang N., Yu D., Zhang F., Wang E. / Nonfullerene acceptors from thieno[3,2-b]thiophene-fused naphthalene donor core with six-member-ring connection for efficient organic solar cells, 2021, Dyes and Pigments, vol 185

Du Z., Bao X., Andersen C.P., Didriksen C.B., Wang J., Lin M.C., Cao Z., Yu D. / Fluorination on electron-deficient units of benzothiadiazole-based donor-acceptor conjugated polymers for novel fullerene-based organic solar cells, 2021, Solar Energy, vol 220, pp. 864-872

Du Z., Cai M., Du L., Huang B., Cao Z., Yu D., Lin M.C. / Effect of alkylthiolated hetero-aromatic rings on the photovoltaic performance of benzodithiophene-based polymer/fullerene solar cells, 2021, Synthetic Metals, vol 276

Duan T., Wu Y., Yang K., Oh J., Yang C., Chen S., Zhong C., Yu D., Zhao Y., Lu S. / Significantly enhanced thermal stability from a new kind of n-type organic semiconductor DFA4: a fully fused F8IC, 2021, Journal of Materials Chemistry C, vol 9, pp. 13625-13629

Enekvist M., Liang X., Zhang X., Dam-Johansen K., Kontogeorgis G.M. / Estimating Hansen solubility parameters of organic pigments by group contribution methods, 2021, Chinese Journal of Chemical Engineering, vol 31, pp. 186-197

Fan Q., Ma R., Liu T., Yu J., Xiao Y., Su W., Cai G., Li Y., Peng W., Guo T., Luo Z., Sun H., Hou L., Zhu W., Lu X., Gao F., Moons E., Yu D., Yan H., Wang E. / High-performance all-polymer solar cells enabled by a novel low bandgap non-fully conjugated polymer acceptor, 2021, Science China Chemistry, vol 64, pp. 1380-1388

Fatras N., Ma Z., Jørgensen B.N. / Industrial consumers' electricity market participation options: a case study of an industrial cooling process in Denmark, 2021, *Energy Informatics*, vol 4

Fatras N., Ma Z., Jørgensen B.N. / System architecture modelling framework applied to the integration of electric vehicles in the grid, 2021, *Advances in Intelligent Systems and Computing*, vol 1242 AISC, pp. 205-209

Genee Z., Lee J.W., Lee S.W., Chen Q., Tan Z., Abdulahi B.A., Yu D., Kim T.S., Kim B.J., Wang E. / Polymer Acceptors with Flexible Spacers Afford Efficient and Mechanically Robust All-Polymer Solar Cells, 2021, *Advanced Materials*

Han Q.Q., Fu Y., Le J.M., Pilot A., Cheng S., Chen P.Q., Wu H., Wan G.Q., Gu X.F. / Electroacupuncture may alleviate behavioral defects via modulation of gut microbiota in a mouse model of Parkinson's disease, 2021, *Acupuncture in Medicine*, vol 39, pp. 501-511

Huang J., Yan D., Dong H., Li F., Lu X., Xin J. / Removal of trace amount impurities in glycolytic monomer of polyethylene terephthalate by recrystallization, 2021, *Journal of Environmental Chemical Engineering*, vol 9

Huang Z., Zhou R., Lv M., Zhang H., Yang C., Shi Y., Tang Y., Zhang J., Lu K., Wei Z. / Constructing high efficiency non-fullerene all-small-molecule ternary organic solar cells by employing structurally similar acceptors, 2021, *Materials Chemistry Frontiers*, vol 5, pp. 1405-1409

Ju J., Lu J., Shi X., Zhu H., Liang H.P. / Fe-Induced electronic optimization of mesoporous Co-Ni oxide nanosheets as an efficient binder-free electrode for the oxygen evolution reaction, 2021, *New Journal of Chemistry*, vol 45, pp. 6424-6431

Krum K., Allingham J., Poulsen S., Christensen H., Hashemi H., Li S., Glarborg P., Wu H. / Modeling the decomposition and byproduct formation of a urea-water-solution droplet, 2021, *Chemical Engineering Science*, vol 237

Krum K., Patil R., Christensen H., Hashemi H., Wang Z., Li S., Glarborg P., Wu H. / Kinetic modeling of urea decomposition and byproduct formation, 2021, *Chemical Engineering Science*, vol 230

Krum K.R., Jensen M., Li S., Norman T., Marshall P., Wu H., Glarborg P. / Selective Noncatalytic Reduction of NO_x Using Ammonium Sulfate, 2021, *Energy and Fuels*, vol 35, pp. 12392-12402

Li J., Zhao H. / Multi-objective optimization and performance assessments of an integrated energy system based on fuel, wind and solar energies, 2021, *Entropy*, vol 23

Li Y., Wang L., Cao Y., Xu S., He P., Li H., Liu H. / Tris-imidazolium-based porous poly(ionic liquid)s as an efficient catalyst for decarboxylation of cyclic carbonate to epoxide, 2021, *RSC Advances*, vol 11, pp. 14193-14202

Li Z., Ravenni G., Bi H., Weinell C.E., Ulusoy B., Zhang Y., Dam-Johansen K. / Effects of biochar nanoparticles on anticorrosive performance of zinc-rich epoxy coatings, 2021, *Progress in Organic Coatings*, vol 158

Lidman Olsson E.O., Glarborg P., Leion H., Dam-Johansen K., Wu H. / Release of P from Pyrolysis, Combustion, and Gasification of Biomass - A Model Compound Study, 2021, *Energy and Fuels*, vol 35, pp. 15817-15830

Pudi A., Karcz A.P., Dickson R., Zhang S., Mansouri S.S., Andersson M.P. / Towards a Rational, Quantum-Chemistry-Based Selection and Screening of Green Solvents for Liquid-Liquid Phase Transfer Catalysis, 2021, *Computer Aided Chemical Engineering*, vol 50, pp. 1593-1598

Qi J., Fan C., Li S. / Characteristics of lignite char derived from oxy-pyrolysis, 2021, *Fuel*, vol 291

Su W., Fan Q., Jalan I., Wang Y., Peng W., Guo T., Zhu W., Yu D., Hou L., Moons E., Wang E. / Nonconjugated Terpolymer Acceptors with Two Different Fused-Ring Electron-Deficient Building Blocks for Efficient All-Polymer Solar Cells, 2021, *ACS Applied Materials and Interfaces*, vol 13, pp. 6442-6449

Sun T., Wu Z., Wang G., Li Z., Li C., Wang E. / Efficient Promotional Effects of Mo on the Catalytic Hydrogenation of Methyl Acrylate over Ni-Based Catalysts under Mild Conditions, 2021, *Industrial and Engineering Chemistry Research*

Ulusoy B., Anicic B., Lin W., Lu B., Wang W., Dam-Johansen K., Wu H. / Interactions in NO_x chemistry during fluidized bed co-combustion of residual biomass and sewage sludge, 2021, *Fuel*, vol 294

Ulusoy B., Anicic B., Zhao L., Lin W., Lu B., Wang W., Dam-Johansen K., Wu H. / Multifunctional Additives for NO_x Abatement in Fluidized Bed Biomass Combustion, 2021, *Energy and Fuels*, vol 35, pp. 12367-12379

Velazquez-Palenzuela A., Wang H., Yang N., Dam-Johansen K., Christensen J.M. / Preparation of TiO₂-based hollow microspheres by spray drying and their use as novel active pigments for photocatalytic coatings, 2021, *Progress in Organic Coatings*, vol 160

Wang F., Cao H., Wang P., Guo X., Han J., Dong H., Zhang X., Wang X. / A signal analysis and identification scheme for an online multiphase micron-sized particle analyzer system, 2021, Measurement Science and Technology, vol 32

Wang P., Cao H., Wang F., Zheng Y., Liu R., Dong H., Zhang X., Wang X. / Suspended particles behavior in aqueous [Bmim] BF₄ solution by novel on-line electrical sensing zone method, 2021, Chemical Engineering Science

Wang W.B., Ao T., Zhang Y.Y., Wu D., Xu W., Han B., Liu A.Z. / Genome-wide analysis of the B3 transcription factors reveals that RcABI3/VPI subfamily plays important roles in seed development and oil storage in castor bean (*Ricinus communis* L.), 2021, Plant Diversity

Wang Z., Guo H., Ning, Ma X., Zheng L., Smirnov D., Sun K., Chen D., Sun L., Liu X. / Tuning fermi level and band gap in Li₄Ti₅O₁₂ by doping and vacancy for ultrafast Li⁺ insertion/extraction, 2021, Journal of the American Ceramic Society, vol 104, pp. 5934-5945

Wang Z., Li Z., Bai L., Dong H., Zhang X. / Formation and stability of nanobubble at solid/liquid interface, 2021, Huagong Xuebao/CIESC Journal, vol 72, pp. 3466-3477

Xin J., Zhang Q., Huang J., Huang R., Jaffery Q.Z., Yan D., Zhou Q., Xu J., Lu X. / Progress in the catalytic glycolysis of polyethylene terephthalate, 2021, Journal of Environmental Management, vol 296

Xiong P., He P., Qu Y., Wang L., Cao Y., Xu S., Chen J., Ammar M., Li H. / The adsorption properties of NaY zeolite for separation of ethylene glycol and 1, 2-butanediol: Experiment and molecular modelling, 2021, Green Energy and Environment, vol 6, pp. 102-113

Xu F., Chen F., Liu X., Wu H., Lu B., Liu Z., Teng J. / Particle-resolved simulation of typical packing structures in olefin catalytic cracking reactor, 2021, Guocheng Gongcheng Xuebao/The Chinese Journal of Process Engineering, vol 21, pp. 1419-1429

Yan D., Zhang J., Lu X., Zhou Q., Xu J., Xin J. / A techno-economic analysis of bio-gasoline production from corn stover via catalytic conversion, 2021, Clean Technologies and Environmental Policy

Yang H., Wang L., Xu S., Cao Y., He P., Chen J., Zheng Z., Li H. / Green and selective hydrogenation of aromatic diamines over the nanosheet Ru/g-C₃N₄-H₂ catalyst prepared by ultrasonic assisted impregnation-deposition method, 2021, Green Energy and Environment

Yang S., Du L., Li S., Song W. / Advances on dust removal technology of high temperature pyrolysis of coal gas containing dust and oil, 2021, Clean Coal Technology, vol 27, pp. 193-201

Yao H., Lu X., Ji L., Tan X., Zhang S. / Multiple hydrogen bonds promote the nonmetallic degradation process of polyethylene terephthalate with an amino acid ionic liquid catalyst, 2021, Industrial and Engineering Chemistry Research, vol 60, pp. 4180-4188

Yi F., Zhou T., Yu L., McCarl B., Wang Y., Jiang F., Wang Y. / Outdoor heat stress and cognition: Effects on those over 40 years old in China, 2021, Weather and Climate Extremes, vol 32

Zhan G., Bai L., Wu B., Cao F., Duan Y., Chang F., Shang D., Bai Y., Li Z., Zhang X., Zhang S. / Dynamic process simulation and optimization of CO₂ removal from confined space with pressure and temperature swing adsorption, 2021, Chemical Engineering Journal, vol 416

Zhan G., Cao F., Bai L., Chang F., Zhou B., Duan Y., Zeng S., Dong H., Li Z., Zhang X. / Process Simulation and Optimization of Ammonia-Containing Gas Separation and Ammonia Recovery with Ionic Liquids, 2021, ACS Sustainable Chemistry and Engineering, vol 9, pp. 312-325

Zhang Q., Huang R., Yao H., Lu X., Yan D., Xin J. / Removal of Zn²⁺ from polyethylene terephthalate (PET) glycolytic monomers by sulfonic acid cation exchange resin, 2021, Journal of Environmental Chemical Engineering, vol 9

Zhang T., Zhang R., Zhang Y., Xie Z., Li Y., Wu H., Dai F., Liu R. / Phosphoric Acid: A Key Role in Control of Structure and Properties of Vanadium Phosphorus Oxide Catalysts During Synthesis, 2021, ChemistrySelect, vol 6, pp. 513-521

Food and Health

Andersen B.V., Chan R.C., Byrne D.V. / A conceptual framework for multi-dimensional measurements of food related pleasure - the food pleasure scale, 2021, Foods, vol 10

Andersen T., Byrne D.V., Wang Q.J. / How Digital Food Affects Our Analog Lives: The Impact of Food Photography on Healthy Eating Behavior, 2021, Frontiers in Psychology, vol 12

Bertelsen A.S., Zeng Y., Mielby L.A., Sun Y.X., Byrne D.V., Kidmose U. / Cross-modal Effect of Vanilla Aroma on Sweetness of Different Sweeteners among Chinese and Danish Consumers, 2021, Food Quality and Preference, vol 87

Byrne D.V. / Current trends in food health and safety in cross-cultural sensory and consumer science, 2021, *Foods*, vol 10

Fu Y., Yin N., Cai X., Du H., Wang P., Sultana M.S., Sun G., Cui Y. / Arsenic speciation and bioaccessibility in raw and cooked seafood: Influence of seafood species and gut microbiota, 2021, *Environmental Pollution*, vol 280

Peng-Li D., Mathiesen S.L., Chan R.C., Byrne D.V., Wang Q.J. / Sounds Healthy: Modelling sound-evoked consumer food choice through visual attention, 2021, *Appetite*, vol 164

Peng-Li D., Sørensen T.A., Li Y., He Q. / Corrigendum to "Systematically lower structural brain connectivity in individuals with elevated food addiction symptoms" [*Appetite* 155 (2020) 104850], 2021, *Appetite*, vol 160

Wang C., Dong S., Wang P., Hao Y., Wang R., Zhang Q., Jiang G. / Insights into the toxicokinetic, tissue distribution and maternal transfer of polychlorinated dibenzo-p-dioxins/dibenzofurans in laying hens fed with dioxin-associated dietary, 2021, *Science of the Total Environment*

Wang C., Dong S., Wang P., Hao Y., Wang R., Zhang S., Wang Y., Fan M., Zhang Q., Jiang G. / Reevaluation on accumulation and depletion of dioxin-like compounds in eggs of laying hens: Quantification on dietary risk from feed to egg, 2021, *Science of the Total Environment*, vol 801

Life Sciences

Cai X.L., Li G.Y., Wang L.L., Zhao W.W., Wang Y., Yan C., Lui S.S., Li J.Q., Chan R.C. / Striatal GABA level is associated with sensory integration ability in individuals with low levels of negative schizotypy, 2021, *PsyCh Journal*

Cai X.L., Wang Y.M., Wang Y., Zhou H.Y., Huang J., Wang Y., Lui S.S., Møller A., Hung K.S., Mak H.K., Sham P.C., Cheung E.F., Chan R.C. / Neurological Soft Signs Are Associated with Altered Cerebellar-Cerebral Functional Connectivity in Schizophrenia, 2021, *Schizophrenia Bulletin*, vol 47, pp. 1452-1462

Chen L.Z., Dai A.Y., Yao Y., Si R., Hu Z., Ge L., Du X., Li A., Wei G.X. / Effects of 8-Week Tai Chi Chuan Practice on Mindfulness Level, 2021, *Mindfulness*, vol 12, pp. 1534-1541

Chen Y.S., Yang W.L., Zhao Y.L., Yang Y.G. / Dynamic transcriptomic m5C and its regulatory role in RNA processing, 2021, *Wiley Interdisciplinary Reviews: RNA*, vol 12

Cheng P., Song S., Li Y., Zhang Y., Yi J., Xu X., Zhou H., Zuo Z. / Aberrant Functional Connectivity of the Posterior Cingulate Cortex in Type 2 Diabetes Without Cognitive Impairment and Microvascular Complications, 2021, *Frontiers in Endocrinology*, vol 12

Dai W., Meng G., Zheng Y., Li Q., Dai B., Liu X. / The impact of intolerance of uncertainty on negative emotions in covid-19: Mediation by pandemic-focused time and moderation by perceived efficacy, 2021, *International Journal of Environmental Research and Public Health*, vol 18

Dall J.O., Wang Y., Cai X., Chan R.C., Sørensen T.A. / Visual short-term memory and attention: An investigation of familiarity and stroke count in Chinese characters, 2021, *Journal of Experimental Psychology: Learning Memory and Cognition*, vol 47, pp. 282-294

Dong L., Chen C., Zhang Y., Guo P., Wang Z., Li J., Liu Y., Liu J., Chang R., Li Y., Liang G., Lai W., Sun M., Dougherty U., Bissonnette M.B., Wang H., Shen L., Xu M.M., Han D. / The loss of RNA N6-adenosine methyltransferase *Mett14* in tumor-associated macrophages promotes CD8+ T cell dysfunction and tumor growth, 2021, *Cancer Cell*, vol 39, pp. 945-957

Eroğlu H.H., Puonti O., Göksu C., Gregersen F., Siebner H.R., Hanson L.G., Thielscher A. / On the reconstruction of magnetic resonance current density images of the human brain: Pitfalls and perspectives, 2021, *NeuroImage*, vol 243

Göksu C., Scheffler K., Gregersen F., Eroğlu H.H., Heule R., Siebner H.R., Hanson L.G., Thielscher A. / Sensitivity and resolution improvement for in vivo magnetic resonance current-density imaging of the human brain, 2021, *Magnetic Resonance in Medicine*, vol 86, pp. 3131-3146

Güneri S., Scheel-Krüger J., Luo F. / Evaluation of acute and chronic nociception in subchronically administered MK-801-induced rat model of schizophrenia, 2021, *Behavioural Pharmacology*

Ge L.K., Hu Z., Wang W., Siu P.M., Wei G.X. / Aerobic exercise decreases negative affect by modulating orbitofrontal-amygdala connectivity in adolescents, 2021, *Life*, vol 11

Gregersen F., Göksu C., Schaeffers G., Xue R., Thielscher A., Hanson L.G. / Safety evaluation of a new setup for transcranial electric stimulation during magnetic resonance imaging, 2021, *Brain Stimulation*, vol 14, pp. 488-497

- Han J, Wang F, Li Z, Liu L, Zhang G, Chen G, Liu J, Zhang H. / Isolation and identification of an osmotolerant *Bacillus amyloliquefaciens* strain T4 for 2, 3-butanediol production with tobacco waste, 2021, *Preparative Biochemistry and Biotechnology*
- Han X, Wang M, Zhao Y.L, Yang Y, Yang Y.G. / RNA methylations in human cancers, 2021, *Seminars in Cancer Biology*, vol 75, pp. 97-115
- He M, Chi X, Ren J. / Applications of oxford nanopore sequencing in *Schizosaccharomyces pombe*, 2021, *Methods in Molecular Biology*, vol 2196, pp. 97-116
- Ji F, Wang W, Feng C, Gao F, Jiao J. / Brain-specific *Wt1* deletion leads to depressive-like behaviors in mice via the recruitment of *Tet2* to modulate *Epo* expression, 2021, *Molecular Psychiatry*, vol 26, pp. 4221-4233
- Yan Y, Huang J, Lui S.S., Cheung E.F., Madsen K.H., Chan R.C. / The effect of effort-reward imbalance on brain structure and resting-state functional connectivity in individuals with high levels of schizotypal traits, 2021, *Cognitive Neuropsychiatry*, vol 26, pp. 166-182
- Zhang Y, Pu C, Wang Y, Zhang R, Cai X, Zhou S, Ma Y, Wang Y, Cheung E.F., Lui S.S., Yu X, Chan R.C. / Social brain network correlates with real-life social network in individuals with schizophrenia and social anhedonia, 2021, *Schizophrenia Research*, vol 232, pp. 77-84
- Zhang Y, Cai X, Hu H, Zhang R, Wang Y, Lui S.S., Cheung E.F., Chan R.C. / Social brain network predicts real-world social network in individuals with social anhedonia, 2021, *Psychiatry Research - Neuroimaging*, vol 317
- Kang J, Cao L, Yuan T, Jin L, Shi Y, Ma G, Qiao N, Li C, Zhang Y, Zuo Z, Gui S. / Predicting the location of the preoptic and anterior hypothalamic region by visualizing the thermoregulatory center on fMRI in craniopharyngioma using cold and warm stimuli, 2021, *Aging*, vol 13, pp. 10087-10098
- Larsen N.Y., Li X, Tan X, Ji G, Lin J, Rajkowska G, Møller J, Vihrs N, Sparring J, Sun F, Nyengaard J.R. / Cellular 3D-reconstruction and analysis in the human cerebral cortex using automatic serial sections, 2021, *Communications Biology*, vol 4
- Lassen T.R., Just J, Hjortbak M.V., Jespersen N.R., Stenz K.T., Gu T, Yan Y, Su J, Hansen J, Bæk R, Jørgensen M.M., Nyengaard J.R., Kristiansen S.B., Drasbek K.R., Kjems J, Bøtker H.E. / Cardioprotection by remote ischemic conditioning is transferable by plasma and mediated by extracellular vesicles, 2021, *Basic Research in Cardiology*, vol 116
- Levitis E, Van Praag C.D., Gau R, Heunis S, Dupre E, Kiar G, Bottenhorn K.L., Glatard T, Nikolaidis A, Whitaker K.J., Mancini M, Niso G, Afyouni S, Alonso-Ortiz E, Appelhoff S, Arnatkeviciute A, Atay S.M., Auer T, Baracchini G, Bayer J.M., Beauvais M.J., Bijsterbosch J.D., Bilgin I.P., Bollmann S, Bollmann S, Botviniuk-Nezer R, Bright M.G., Calhoun V.D., Chen X, Chopra S, Chuan-Peng H, Close T.G., Cookson S.L., Craddock R.C., De La Vega A, De Leener B, Demeter D.V., Di Maio P, Dickie E.W., Eickhoff S.B., Esteban O, Finc K, Frigo M, Ganesan S, Ganz M, Garner K.G., Garza-Villarreal E.A., Gonzalez-Escamilla G, Goswami R, Griffiths J.D., Grootswagers T, Guay S, Guest O, Handwerker D.A., Herholz P, Heuer K, Huijser D.C., Iacovella V, Joseph M.J., Karakuzu A, Keator D.B., Kobeleva X, Kumar M, Laird A.R., Larson-Prior L.J., Lautarescu A, Lazari A, Legarreta J.H., Li X.Y., Lv J, Mansour L. / S, Meunier D, Moraczewski D, Nandi T, Nastase S.A., Nau M, Noble S, Norgaard M, Obungoloch J, Oostenvelde R, Orchard E.R., Pinho A.L., Poldrack R.A., Qiu A, Raamana P.R., Rokem A, Rutherford S, Sharan M, Shaw T.B., Syeda W.T., Testerman M.M., Toro R, Valk S.L., Van Den Bossche S, Varoquaux G, Váša F, Veldsman M, Vohryzek J, Wagner A.S., Walsh R.J., White T, Wong F.T., Xie X, Yan C.G., Yang Y.F., Yee Y, Zanitti G.E., Van Gulick A.E., Duff E, Maumet C. / Centering inclusivity in the design of online conferences - An OHBM-Open Science perspective, 2021, *GigaScience*, vol 10
- Li H.X., Lu B., Chen X., Li X.Y., Castellanos F.X., Yan C.G. / Exploring self-generated thoughts in a resting state with natural language processing, 2021, *Behavior Research Methods*
- Li Y., Zhang Q.Y., Sun B.F., Ma Y., Zhang Y., Wang M., Ma C., Shi H., Sun Z., Chen J., Yang Y.G., Zhu L. / Single-cell transcriptome profiling of the vaginal wall in women with severe anterior vaginal prolapse, 2021, *Nature Communications*, vol 12
- Lima T.S., Iglesias-Gato D., Souza L.D., Stenvang J., Lima D.S., Røder M.A., Brasso K., Moreira J.M. / Molecular profiling of docetaxel-resistant prostate cancer cells identifies multiple mechanisms of therapeutic resistance, 2021, *Cancers*, vol 13
- Liu Q., Jiang F., Zhang J., Li X., Kang L. / Transcription initiation of distant core promoters in a large-sized genome of an insect, 2021, *BMC Biology*, vol 19
- Liu S., Hou B., You H., Zhang Y., Zhu Y., Ma C., Zuo Z., Feng F. / The Association Between Perivascular Spaces and Cerebral Blood Flow, Brain Volume, and Cardiovascular Risk, 2021, *Frontiers in Aging Neuroscience*, vol 13
- Liu Y., Liang G., Xu H., Dong W., Dong Z., Qiu Z., Zhang Z., Li F., Huang Y., Li Y., Wu J., Yin S., Zhang Y., Guo P., Liu J., Xi J.J., Jiang P., Han D., Yang C.G., Xu M.M. / Tumors exploit FTO-mediated regulation of glycolytic metabolism to evade immune surveillance, 2021, *Cell Metabolism*, vol 33, pp. 1221-1233.e11

Liu Y., Wang T., Wu X., Fan X., Wang W., Xie G., Li Z., Yang Q., Cao P., Yang R., Liu F., Dai Q., Feng X., Ping W., Miao B., Wu Y., Liu Y., Fu Q. / Maternal genetic history of southern East Asians over the past 12,000 years, 2021, *Journal of Genetics and Genomics*, vol 48, pp. 899-907

Nielsen R.L., Wolthers B.O., Helenius M., Albertsen B.K., Clemmensen L., Nielsen K., Kanerva J., Niinimäki R., Frandsen T.L., Attarbaschi A., Barzilai S., Colombini A., Escherich G., Aytan-Aktug D., Liu H.C., Möricke A., Samarasinghe S., Van Der Sluis I.M., Stanulla M., Tulstrup M., Yadav R., Zapotocka E., Schmiegelow K., Gupta R. / Can Machine Learning Models Predict Asparaginase-associated Pancreatitis in Childhood Acute Lymphoblastic Leukemia, 2021, *Journal of Pediatric Hematology/Oncology*

Poulsen K.O., Sundekilde U.K. / The Metabolomic Analysis of Human Milk Offers Unique Insights into Potential Child Health Benefits, 2021, *Current Nutrition Reports*, vol 10

Poulsen T.B., Damgaard D., Jørgensen M.M., Senolt L., Blackburn J.M., Nielsen C.H., Stensballe A. / Identification of potential autoantigens in anti-CCP-positive and anti-CCP-negative rheumatoid arthritis using citrulline-specific protein arrays, 2021, *Scientific Reports*, vol 11

Ren Y., Zhu J., Han Y., Li P., Wu J., Qu H., Zhang Z., Fang X. / Regulatory association of long noncoding RNAs and chromatin accessibility facilitates erythroid differentiation, 2021, *Blood Advances*, vol 5, pp. 5396-5409

Schaap-Johansen A.L., Vujovic M., Borch A., Hadrup S.R., Marcatili P. / T Cell Epitope Prediction and Its Application to Immunotherapy, 2021, *Frontiers in Immunology*, vol 12

Sh Y., Liu B., Zhang J., Zhou Y., Hu Z., Zhang X. / Application of Artificial Intelligence Modeling Technology Based on Fluid Biopsy to Diagnose Alzheimer's Disease, 2021, *Frontiers in Aging Neuroscience*, vol 13

Shan H., Geng L., Jiang X., Song M., Wang J., Liu Z., Zhuo X., Wu Z., Hu J., Ji Z., Wang S., Chan P., Qu J., Zhang W., Liu G.H. / Large-scale chemical screen identifies Gallic acid as a geroprotector for human stem cells, 2021, *Protein and Cell*

Shan H.D., Wang Y.M., Hu H.X., Jiang S.Y., Chu M.Y., Wang Y., Lui S.S., Cheung E.F., Wang Z., Chan R.C. / Co-occurrence of schizo-obsessive traits and its correlation with altered executive control network functional connectivity, 2021, *European Archives of Psychiatry and Clinical Neuroscience*

Liang Y., Zhou S., Zhang Y., Cai X., Wang Y., Cheung E.F., Lui S.S., Yu X., Madsen K.H., Ma Y., Chan R.C. / Altered empathy-related resting-state functional connectivity in patients with bipolar disorder, 2021, *European Archives of Psychiatry and Clinical Neuroscience*

Teng H., Wei W., Li Q., Xue M., Shi X., Li X., Mao F., Sun Z. / Prevalence and architecture of posttranscriptionally impaired synonymous mutations in 8, 320 genomes across 22 cancer types, 2021, *Nucleic Acids Research*, vol 48, pp. 1192-1205

Terp M.G., Jacobsen K., Molina M.A., Karachaliou N., Beck H.C., Bertran-Alamillo J., Gimenez-Capitan A., Cardona A.F., Rosell R., Ditzel H.J. / Combined FGFR and Akt pathway inhibition abrogates growth of FGFR1 overexpressing EGFR-TKI-resistant NSCLC cells, 2021, *NPJ Precision Oncology*, vol 5

Zhang R., Yang Z., Huang J., Wang Y., Zhou H., Wang Y., Lui S.S., Cheung E.F., Chan R.C. / Neural Mechanisms of Prospecion in Individuals With Schizotypal Traits, Autistic Traits, or Depressive Symptoms, 2021, *Journal of Abnormal Psychology*, vol 130, pp. 807-814

Vej-Nielsen J.M., Rogowska-Wrzesinska A. / 3D-ViaFlow: A Quantitative Viability Assay for Multicellular Spheroids, 2021, vol 2273, pp. 159-171

Vinding M.C., Lindeløv J.K., Xiao Y., Chan R.C., Sørensen T.A. / Volition in prospective Memory: Evidence against differences between free and fixed target events, 2021, *Consciousness and Cognition*, vol 94

Wu Z., Bai K., Yang L., Wang Y., Tian Y. / Review on Text Mining of Electronic Medical Record, 2021, *Jisuanji Yanjiu yu Fazhan/Computer Research and Development*, vol 58, pp. 513-527

Xia X., Dai L., Zhou H., Chen P., Liu S., Yang W., Zuo Z., Xu X. / Assessment of peripheral neuropathy in type 2 diabetes by diffusion tensor imaging: A case-control study, 2021, *European Journal of Radiology*, vol 145

Xu B., Wang J., Li Z., Xu C., Liao Y., Hu M., Yang J., Lai S., Wang L., Yang W. / Seasonal association between viral causes of hospitalised acute lower respiratory infections and meteorological factors in China: a retrospective study, 2021, *The Lancet Planetary Health*, vol 5, pp. e154-e163

Xu B., Wang J., Yan B., Xu C., Yin Q., Yang D. / Global spatiotemporal transmission patterns of human enterovirus 71 from 1963 to 2019, 2021, *Virus Evolution*, vol 7

Xue Y., Bao Y., Zhang Z., Zhao W., Xiao J., He S., Zhang G., Li Y., Zhao G., Chen R., Song S., Ma L., Zou D., Tian D., Li C., Zhu J., Gong Z., Chen M., Wang A., Ma Y., Li M., Teng X., Cui Y., Duan G., Zhang M., Jin T., Shi C., Du Z., Zhang Y., Liu C., Li R., Zeng J., Hao L., Jiang S., Chen H., Han D., Xiao J., Zhang Z., Zhao W., Xue Y., Bao Y., Zhang T., Kang W., Yang F., Qu J., Zhang W., Bao Y., Liu G.H., Liu L., Zhang Y., Niu G., Zhu T., Feng C., Liu X., Zhang Y., Li Z., Chen R., Li Q., Teng X., Ma L., Hua Z., Tian D., Jiang C., Chen Z., He F., Zhao Y., Jin Y., Zhang Z., Huang L., Song S., Yuan Y., Zhou C., Xu Q., He S., Ye W., Cao R., Wang P., Ling Y., Yan X., Wang Q., Zhang G., Li Z., Liu L., Jiang S., Li Q., Feng C., Du Q., Ma L., Zong W., Kang H., Zhang M., Xiong Z., Li R., Huan W., Ling Y., Zhang S., Xia Q., Cao R., Fan X., Wang Z., Zhang G., Chen X., Chen T., Zhang S., Tang B., Zhu J., Dong L., Zhang Z., Wang Z., Kang H., Wang Y., Ma Y., Wu S., Kang H., Chen M., Li C., Tian D., Tang B., Liu X., Teng X., Song S., Tian D., Liu X., Li C., Teng X., Song S., Zhang Y., Zou D., Zhu T., Chen M., Niu G., Liu C., Xiong Y., Hao L., Niu G., Zou D., Zhu T., Shao X., Hao L., Li Y., Zhou H., Chen X., Zheng Y., Kang Q., Hao D., Zhang L., Luo H., Hao Y., Chen R., Zhang P., He S., Zou D., Zhang M., Xiong Z., Nie Z., Yu S., Li R., Li M., Li R., Bao Y., Xiong Z., Li M., Yang F., Ma Y., Sang J., Li Z., Li R., Tang B., Zhang X., Dong L., Zhou Q., Cui Y., Zhai S., Zhang Y., Wang G., Zhao W., Wang Z., Zhu Q., Li X., Zhu J., Tian D., Kang H., Li C., Zhang S., Song S., Li M., Zhao W., Yan J., Sang J., Zou D., Li C., Wang Z., Zhang Y., Zhu T., Song S., Wang X., Hao L., Liu Y., Wang Z., Luo H., Zhu J., Wu X., Tian D., Li C., Zhao W., Jing H.C., Chen M., Zou D., Hao L., Zhao L., Wang J., Li Y., Song T., Zheng Y., Chen R., Zhao Y., He S., Zou D., Mehmood F., Ali S., Ali A., Saleem S., Hussain I., Abbasi A.A., Ma L., Zou D., Jiang S., Zhang Z., Jiang S., Zhao W., Xiao J., Bao Y., Zhang Z., Zuo Z., Ren J., Zhang X., Xiao Y., Li X., Zhang X., Xiao Y., Li X., Tu Y., Xue Y., Wu W., Ji P., Zhao F., Meng X., Chen M., Peng D., Xue Y., Luo H., Gao F., Zhang X., Xiao Y., Li X., Ning W., Xue Y., Lin S., Xue Y., Liu T., Guo A.Y., Yuan H., Zhang Y.E., Tan X., Xue Y., Zhang W., Xue Y., Xie Y., Ren J., Wang C., Xue Y., Liu C.J., Guo A.Y., Yang C., Tian F., Gao G., Tang D., Xue Y., Yao L., Xue Y., Cui Q., An N.A., Li C.Y., Luo X., Ren J., Zhang X., Xiao Y., Li X. / Database resources of the national genomics data center, china national center for bioinformatics in 2021, 2021, *Nucleic Acids Research*, vol 49, pp. D18-D28

Yang H., Chen X., Chen Z.B., Li L., Li X.Y., Castellanos F.X., Bai T.J., Bo Q.J., Cao J., Chang Z.K., Chen G.M., Chen N.X., Chen W., Cheng C., Cheng Y.Q., Cui X.L., Duan J., Fang Y., Gong Q.Y., Guo W.B., Hou Z.H., Hu L., Kuang L., Li F., Li H.X., Li K.M., Li T., Liu Y.S., Liu Z.N., Long Y.C., Lu B., Luo Q.H., Meng H.Q., Peng D., Qiu H.T., Qiu J., Shen Y.D., Shi Y.S., Si T.M., Tang Y.Q., Wang C.Y., Wang F., Wang K., Wang L., Wang X., Wang Y., Wang Y.W., Wu X.P., Wu X.R., Xie C.M., Xie G.R., Xie H.Y., Xie P., Xu X.F., Yang J., Yao J.S., Yao S.Q., Yin Y.Y., Yuan Y.G., Zang Y.F., Zhang A.X., Zhang H., Zhang K.R., Zhang L., Zhang Z.J., Zhao J.P., Zhou R., Zhou Y.T., Zhu J.J., Zhu Z.C., Zou C.J., Zuo X.N., Yan C.G. / Disrupted intrinsic functional brain topology in patients with major depressive disorder, 2021, *Molecular Psychiatry*

Yang P., Wang D., Guo W., Kang L. / FAWMine: An integrated database and analysis platform for fall armyworm genomics, 2021, *Insect Science*, vol 28, pp. 590-601

Yang P., Wang D., Kang L. / Alternative splicing level related to intron size and organism complexity, 2021, *BMC Genomics*, vol 22

Yang Z.Y., Zhang R.T., Wang Y.M., Huang J., Zhou H.Y., Cheung E.F., Chan R.C. / Altered activation and functional connectivity in individuals with social anhedonia when envisioning positive future episodes, 2021, *Psychological Medicine*

Yu S.L., Yu T., Zuo Z.T., Wang J., Xu Z.S., Yang K.Y., Ren X.H., Zhao Y.L., Lin S. / Lateralization of primary motor cortex activation and functional connectivity of motor network in patients with Eloquent Area Gliomas, 2021, *Progress in Biochemistry and Biophysics*, vol 47, pp. 982-988

Yuan T., Ying J., Jin L., Li C., Gui S., Li Z., Wang R., Zuo Z., Zhang Y. / Correction: "The role of serum growth hormone and insulin-like growth factor-I in adult humans brain morphology", 2021, *Aging*, vol 13, pp. 22623-22624

Zhang H., Li J., Ren J., Sun S., Ma S., Zhang W., Yu Y., Cai Y., Yan K., Li W., Hu B., Chan P., Zhao G.G., Belmonte J.C., Zhou Q., Qu J., Wang S., Liu G.H. / Single-nucleus transcriptomic landscape of primate hippocampal aging, 2021, *Protein and Cell*, vol 12, pp. 695-716

Zhang T., Yang Y., Xiang Z., Gao C.C., Wang W., Wang C., Xiao X., Wang X., Qiu W.N., Li W.J., Ren L., Li M., Zhao Y.L., Chen Y.S., Wang J., Yang Y.G. / N 6-methyladenosine regulates RNA abundance of SARS-CoV-2, 2021, *Cell Discovery*, vol 7

Zheng L., Hong F., Huang F., Wang W. / Inhibition of PI4KIIIa as a Novel Potential Approach for Gaucher Disease Treatment, 2021, *Neuroscience Bulletin*, vol 37, pp. 1234-1239

Zong F., Du J., Deng X., Chai X., Zhuo Y., Vegh A.V., Xue R. / Fast Diffusion Kurtosis Mapping of Human Brain at 7 Tesla with Hybrid Principal Component Analyses, 2021, *IEEE Access*, vol 9, pp. 107965-107975

Štampar M., Sedighi Frandsen H., Rogowska-Wrzesinska A., Wrzesinski K., Filipič M., Žgura B. / Hepatocellular carcinoma (HepG2/C3A) cell-based 3D model for genotoxicity testing of chemicals, 2021, *Science of the Total Environment*, vol 755

Nanoscience

Cao M., Cai R., Zhao L., Guo M., Wang L., Wang Y., Zhang L., Wang X., Yao H., Xie C., Cong Y., Guan Y., Tao X., Wang Y., Xu S., Liu Y., Zhao Y., Chen C. / Molybdenum derived from nanomaterials incorporates into molybdenum enzymes and affects their activities in vivo, 2021, *Nature Nanotechnology*, vol 16, pp. 708-716

Cao M., Li B., Guo M., Liu Y., Zhang L., Wang Y., Hu B., Li J., Sutherland D.S., Wang L., Chen C. / In vivo percutaneous permeation of gold nanomaterials in consumer cosmetics: implication in dermal safety assessment of consumer nanoproducts, 2021, *Nanotoxicology*, vol 15, pp. 131-144

Chai M., Wang Y., Chen C., Zhao Z., Jin M., He T. / Metamaterials-Based Photoelectric Conversion: From Microwave to Optical Range, 2021, *Laser and Photonics Reviews*

Chen C., Chai M., Jin M., He T. / Terahertz Metamaterial Absorbers, 2021, *Advanced Materials Technologies*

Christensen M., Berglund N.A., Schiøtt B. / The Effect of Cholesterol on Membrane-Bound Islet Amyloid Polypeptide, 2021, *Frontiers in Molecular Biosciences*, vol 8

Davidsen M.B., Teixeira J.F., Dehli J., Karlsson C., Kraft D., Souza P.P., Foss M. / Post-treatments of polydopamine coatings influence cellular response, 2021, *Colloids and Surfaces B: Biointerfaces*, vol 207

Deng J., Tian F., Liu C., Liu Y., Zhao S., Fu T., Sun J., Tan W. / Rapid One-Step Detection of Viral Particles Using an Aptamer-Based Thermophoretic Assay, 2021, *Journal of the American Chemical Society*, vol 143, pp. 7261-7266

Deng J., Zhao S., Liu Y., Liu C., Sun J. / Nanosensors for Diagnosis of Infectious Diseases, 2021, *ACS Applied Bio Materials*, vol 4, pp. 3863-3879

Fan D., Fang Q. / Siderophores for medical applications: Imaging, sensors, and therapeutics, 2021, *International Journal of Pharmaceutics*, vol 597

Fan L., Chong X., Zhao M., Jia F., Wang Z., Zhou Y., Lu X., Huang Q., Li P., Yang Y., Hu Z., Li Q., Zhang X., Shen L. / Ultrasensitive Gastric Cancer Circulating Tumor Cellular CLDN18.2 RNA Detection Based on a Molecular Beacon, 2021, *Analytical Chemistry*, vol 93, pp. 665-670

Fu Z., Zeng W., Cai S., Li H., Ding J., Wang C., Chen Y., Han N., Yang R. / Porous Au@Pt nanoparticles with superior peroxidase-like activity for colorimetric detection of spike protein of SARS-CoV-2, 2021, *Journal of Colloid and Interface Science*, vol 604, pp. 113-121

Guo Y., Hu Z., Wang Z. / Recent Advances in the Application Peptide and Peptoid in Diagnosis Biomarkers of Alzheimer's Disease in Blood, 2021, *Frontiers in Molecular Neuroscience*, vol 14

Huang Q., Zhang X., Hu Z. / Application of artificial intelligence modeling technology based on multi-omics in noninvasive diagnosis of inflammatory bowel disease, 2021, *Journal of Inflammation Research*, vol 14, pp. 1933-1943

Jeppesen H.S., Nørby P., Gammelgaard J.J., Borup K., Lock N. / Exploring the structures, stability, and light absorption properties of three thiostannates synthesised at similar conditions, 2021, *Scientific Reports*, vol 11

Jia F., Wang Y., Fang Z., Dong J., Shi F., Zhang W., Wang Z., Hu Z. / Novel Peptide-Based Magnetic Nanoparticle for Mesenchymal Circulating Tumor Cells Detection, 2021, *Analytical Chemistry*, vol 93, pp. 5670-5675

Ju X., Song J., Han J., Shi Y., Gao Y., Duan P. / Photofluorochromic water-dispersible nanoparticles for single-photon-absorption upconversion cell imaging, 2021, *Nanotechnology*, vol 32

Kanne T., Olsteins D., Marnauza M., Vekris A., Estrada Saldaña J.C., Loric S., Schlosser R.D., Ross D., Csonka S., Grove-Rasmussen K., Nygård J. / Double Nanowires for Hybrid Quantum Devices, 2021, *Advanced Functional Materials*

Keshvardoostchokami M., Majidi S.S., Huo P., Ramachandran R., Chen M., Liu B. / Electrospun nanofibers of natural and synthetic polymers as artificial extracellular matrix for tissue engineering, 2021, *Nanomaterials*, vol 11

Li D., Lai W., Fan D., Fang Q. / Protein biomarkers in breast cancer-derived extracellular vesicles for use in liquid biopsies, 2021, *American Journal of Physiology - Cell Physiology*, vol 321, pp. C779-C797

Li D., Lai W., Wang Q., Xiang Z., Nan X., Yang X., Fang Q. / CD151 enrichment in exosomes of luminal androgen receptor breast cancer cell line contributes to cell invasion, 2021, *Biochimie*, vol 189, pp. 65-75

Li N., Zhu L., Shang H., Wang F., Zhang Y., Yao Y., Wang J., Zhan X., Wang F., He J., Wang Z. / Controlled synthesis and Raman study of a 2D antiferromagnetic P-type semiconductor: a-MnSe, 2021, *Nanoscale*, vol 13, pp. 6953-6964

- Lin Y., Zhang Y., Zhang F., Zhang M., Li D., Deng G., Guan L., Dong M. / Studies on the electrostatic effects of stretched PVDF films and nanofibers, 2021, *Nanoscale Research Letters*, vol 16
- Liu T., Momin M., Zhou H., Zheng Q., Fan F., Jia J., Liu M., Bao M., Li J., Huo Y., Liu J., Zhang Y., Mao X., Han X., Hu Z., Zeng C., Liu F., Zhang Y. / Exome-Wide Association Study Identifies East Asian-Specific Missense Variant MTHFR C136T Influencing Homocysteine Levels in Chinese Populations RH: ExWAS of tHcy in a Chinese Population, 2021, *Frontiers in Genetics*, vol 12
- Majidi S.S., Su Y., Jørgensen M.L., Müller C., Forooghi P., Nie G., Chen M. / Rayleigh Instability-Driven Coaxial Spinning of Knotted Cell-Laden Alginate Fibers as Artificial Lymph Vessels, 2021, *ACS Applied Materials and Interfaces*, vol 13, pp. 22142-22149
- Mao C.G., Jiang S.S., Wang X.Y., Tao S.L., Jiang B., Mao C.Y., Yang Y.L., Hu Z.Y., Long T., Jin H., Tan Q.Y., Huang Y., Deng B. / Bcalr plays critical roles in the formation and immunoevasion of invasive circulating tumor cells in lung adenocarcinoma, 2021, *International Journal of Biological Sciences*, vol 17, pp. 2461-2475
- Mao Z., Zhao J., Chen J., Hu X., Koh K., Chen H. / A simple and direct SPR platform combining three-in-one multifunctional peptides for ultra-sensitive detection of PD-L1 exosomes, 2021, *Sensors and Actuators B: Chemical*, vol 346
- Nan X., Lai W., Li D., Tian J., Hu Z., Fang Q. / Biocompatibility of bacterial magnetosomes as mri contrast agent: A long-term in vivo follow-up study, 2021, *Nanomaterials*, vol 11
- Nan X., Teng Y., Tian J., Hu Z., Fang Q. / A comprehensive assessment of the biocompatibility of *Magnetospirillum gryphiswaldense* MSR-1 bacterial magnetosomes in vitro and in vivo, 2021, *Toxicology*, vol 462
- Peng Z., Liu F., Sun H., Wang Y., Wang J., Jiang C. / Complementary-Like Inverter Based on Organic-Inorganic Heterojunction Ambipolar Transistors on Flexible Substrate, 2021, *IEEE Journal of the Electron Devices Society*, vol 9, pp. 933-938
- Shao Y., Xu K., Zheng X., Zhou B., Zhang X., Wang L., Sun Y., Li D., Chen T., Wang J., Yu S., Sun L., Xu X., Dai S., Gao H., Ruan G., Liu W., Cai X., Zhu T., Qi L., Chen J., Hu W., Weng X., Zhu Y., Xiang X., Hu Z., Li J., Chen L., Shao J., Zheng S., Guo T. / Proteomics profiling of colorectal cancer progression identifies PLOD2 as a potential therapeutic target, 2021, *Cancer Communications*
- Shi F., Jia F., Wei Z., Ma Y., Fang Z., Zhang W., Hu Z. / A Microfluidic Chip for Efficient Circulating Tumor Cells Enrichment, Screening, and Single-Cell RNA Sequencing, 2021, *Proteomics*, vol 21
- Song W., Zhou Z., Yang X., Chen L., Ge G. / Tunable Enantioselective Adsorption of the As-synthesized Mesoporous Silica Through Chiral Imprinting, 2021, *Gaodeng Xuexiao Huaxue Xuebao/Chemical Journal of Chinese Universities*, vol 42, pp. 3144-3150
- Su Y., Li Q., Amagat J., Chen M. / 3D spring-based piezoelectric energy generator, 2021, *Nano Energy*, vol 90
- Su Y., Qiu T., Song W., Han X., Sun M., Wang Z., Xie H., Dong M., Chen M. / Melt Electrospinning Writing of Magnetic Microrobots, 2021, *Advanced Science*, vol 8
- Sun M., Yao S., Fan L., Fang Z., Miao W., Hu Z., Wang Z. / Fibroblast Activation Protein-a Responsive Peptide Assembling Prodrug Nanoparticles for Remodeling the Immunosuppressive Microenvironment and Boosting Cancer Immunotherapy, 2021, *Small*
- Vekris A., Estrada Saldaña J.C., Bruijckere J., Loric S., Kanne T., Marnauza M., Olsteins D., Nygård J., Grove-Rasmussen K. / Asymmetric Little-Parks oscillations in full shell double nanowires, 2021, *Scientific Reports*, vol 11
- Vekris A., Saldaña J.C., Kanne T., Marnauza M., Olsteins D., Fan F., Li X., Hvid-Olsen T., Qiu X., Xu H., Nygård J., Grove-Rasmussen K. / Josephson junctions in double nanowires bridged by in-situ deposited superconductors, 2021, *Physical Review Research*, vol 3
- Wang H., Guo Y., Peng K., Chu W., Chen G. / Numerical modeling of in-plane thermal conductivity measurement methods based on a suspended membrane setup, 2021, *International Journal of Heat and Mass Transfer*, vol 177
- Wang J., Wang F., Wang Z., Huang W., Yao Y., Wang Y., Yang J., Li N., Yin L., Cheng R., Zhan X., Shan C., He J. / Logic and in-memory computing achieved in a single ferroelectric semiconductor transistor, 2021, *Science Bulletin*, vol 66, pp. 2288-2296
- Wang Y., Wang F., Wang Z., Wang J., Yang J., Yao Y., Li N., Sendeku M.G., Zhan X., Shan C., He J. / Reconfigurable photovoltaic effect for optoelectronic artificial synapse based on ferroelectric p-n junction, 2021, *Nano Research*, vol 14, pp. 4328-4335
- Wang Y., Xia B., Huang Q., Luo T., Zhang Y., Timashev P., Guo W., Li F., Liang X.J. / Practicable Applications of Aggregation-Induced Emission with Biomedical Perspective, 2021, *Advanced Healthcare Materials*, vol 10

Wu J., Cui X., Ke P.C., Mortimer M., Wang X., Bao L., Chen C. / Nanomaterials as novel agents for amelioration of Parkinson's disease, 2021, Nano Today, vol 41

Xu R., Li S., Shi M., Li Z., Wang Y., Li J., Li Q., Klausen L.H., Li A., Zhao H., Chen M., Hu J., Dong M., Li N. / Peptide-based high-density lipoprotein promotes adipose tissue browning and restrains development of atherosclerosis and type 2 diabetes, 2021, Nano Today, vol 36

Yang Y., Wang Z., Gan C., Klausen L.H., Bonne R., Kong G., Luo D., Meert M., Zhu C., Sun G., Guo J., Ma Y., Bjerg J.T., Manca J., Xu M., Nielsen L.P., Dong M. / Long-distance electron transfer in a filamentous Gram-positive bacterium, 2021, Nature Communications, vol 12

Yao W., Zhang J., Ji J., Yang H., Zhou B., Chen X., Bøggild P., Jepsen P.U., Tang J., Wang F., Zhang L., Liu J., Wu B., Dong J., Liu Y. / Bottom-Up-Etching-Mediated Synthesis of Large-Scale Pure Monolayer Graphene on Cyclic-Polishing-Annealed Cu(111), 2021, Advanced Materials

Yao W.Q., Sun J.Z., Chen J.Y., Guo Y.L., Wu B., Liu Y.Q. / Controllable preparation and photoelectric applications of two-dimensional in-plane and van der Waals heterostructures, 2021, Wuli Xuebao/Acta Physica Sinica, vol 70

Yao Y., Wen Y., Wang F., Li N., Wang J., Wang Y., Yang J., Zhan X., Wang Z., He J. / Self-intercalated two-dimensional magnetic semiconductor V₈(S_{1-x}Sex)₁₅, 2021, Applied Physics Letters, vol 118

Yao Y., Zhan X., Sendeku M.G., Yu P., Dajan F.T., Zhu C., Li N., Wang J., Wang F., Wang Z., He J. / Recent progress on emergent two-dimensional magnets and heterostructures, 2021, Nanotechnology, vol 32

Zhang L., Zhu X., Deng D., Wang Z., Zhang Z., Li Y., Zhang J., Lv K., Liu L., Zhang X., Zhou H., Ade H., Wei Z. / High Miscibility Compatible with Ordered Molecular Packing Enables an Excellent Efficiency of 16.2% in All-Small-Molecule Organic Solar Cells, 2021, Advanced Materials

Zhang Q., Tu B., Fang Q., Lu B. / A structure-preserving finite element discretization for the time-dependent Nernst-Planck equation, 2021, Journal of Applied Mathematics and Computing

Zhang W., Li Q., Jia F., Hu Z., Wei Z. / A Microfluidic Chip for Screening and Sequencing of Monoclonal Antibody at a Single-Cell Level, 2021, Analytical Chemistry, vol 93, pp. 10099-10105

Zhang Z., Cui L., Zhang Y., Klausen L.H., Chen M., Sun D., Xu S., Kang S., Shi J. / Regulation of carboxyl groups and structural defects of graphitic carbon nitride via environmental-friendly glucose oxidase ring-opening modulation, 2021, Applied Catalysis B: Environmental, vol 297

Zhao S., Tian R., Wu J., Liu S., Wang Y., Wen M., Shang Y., Liu Q., Li Y., Guo Y., Wang Z., Wang T., Zhao Y., Zhao H., Cao H., Su Y., Sun J., Jiang Q., Ding B. / A DNA origami-based aptamer nanoarray for potent and reversible anticoagulation in hemodialysis, 2021, Nature Communications, vol 12

Zhou R., Yang C., Zou W., Abdullah Adil M., Li H., Lv M., Huang Z., Lv M., Zhang J., Lu K., Wei Z. / Combining chlorination and sulfuration strategies for high-performance all-small-molecule organic solar cells, 2021, Journal of Energy Chemistry, vol 52, pp. 228-233

Water and Environment

An W., Sang C., Jensen K.M., Sørensen P.B., Zhang B., Yang M. / Application of the health risk assessment of acetochlor in the development of water quality criteria, 2021, Journal of Environmental Sciences (China), vol 110, pp. 48-54

Andersen T.K., Bolding K., Nielsen A., Bruggeman J., Jeppesen E., Trolle D. / How morphology shapes the parameter sensitivity of lake ecosystem models, 2021, Environmental Modelling and Software, vol 136

Antoniuk V., Manevski K., Kørup K., Larsen R., Sandholt I., Zhang X., Andersen M.N. / Diurnal and seasonal mapping of water deficit index and evapotranspiration by an unmanned aerial system: A case study for winter wheat in denmark, 2021, Remote Sensing, vol 13

Attayde J.L., Menezes R.F., Kosten S., Lacerot G., Jeppesen E., Huszar V., Branco C.W., Mota-Marques D., Kruk C., Teixeira-de-Mello F., Gomes J.H., Machado C.C., Meerhoff M., Mazzeo N. / Potential effects of warming on the trophic structure of shallow lakes in South America: a comparative analysis of subtropical and tropical systems, 2021, Hydrobiologia

Aznarez C., Jimeno-Saez P., Laopez-Ballesteros A., Pacheco J.P., Senent-Aparicio J. / Analysing the impact of climate change on hydrological ecosystem services in laguna del sauce (Uruguay) using the swat model and remote sensing data, 2021, Remote Sensing, vol 13

Bai M., Mo X., Liu S., Hu S. / Detection and attribution of lake water loss in the semi-arid Mongolian Plateau - A case study in the Lake Dalinor, 2021, Ecohydrology, vol 14

- Caldera-Pascual M., Yıldız D., Yalçın G., Metin M., Yetim S., Fiorentin C., Andersen MR., Jennings E., Jeppesen E., Ger K.A., Beklioğlu M., McCarthy V. / The importance of allochthonous organic matter quality when investigating pulse disturbance events in freshwater lakes: a mesocosm experiment, 2021, *Hydrobiologia*
- Cao T., Han D., Song X. / Past, present, and future of global seawater intrusion research: A bibliometric analysis, 2021, *Journal of Hydrology*, vol 603
- Carnohan S.A., Clifford-Holmes J.K., Retief H., McKnight U.S., Pollard S. / Climate change adaptation in rural South Africa: Using stakeholder narratives to build system dynamics models in data-scarce environments, 2021, *Journal of Simulation*, vol 15
- Chen K., Li Q., Han Y., Li W., Zhang Y., Li K., He H. / Effects of *Carassius auratus* on water turbidity, nutrient levels and plankton biomass in shallow lakes: A mesocosm experiment, 2021, *Hupo Kexue/Journal of Lake Sciences*, vol 33, pp. 397-404
- Chen K., Wang H., Valverde-Perez B., Zhai S., Vezzaro L., Wang A. / Optimal control towards sustainable wastewater treatment plants based on multi-agent reinforcement learning, 2021, *Chemosphere*, vol 279
- Chen X., Li X., Hu C., Lei Y., Ni R., Ma L. / Nitrate storage and leaching in the critical zone of farmland in the North China Plain, 2021, *Chinese Journal of Eco-Agriculture*, vol 29, pp. 1546-1557
- Chou Q., Nielsen A., Andersen T.K., Hu F., Chen W., Cao T., Ni L., Søndergaard M., Johansson L.S., Jeppesen E., Trolle D. / The impacts of extreme climate on summer-stratified temperate lakes: Lake Søholm, Denmark, as an example, 2021, *Hydrobiologia*, vol 848, pp. 3521-3537
- Chou Q., Nielsen A., Andersen T.K., Hu F., Chen W., Zhang X., Cao T., Ni L., Jeppesen E., Trolle D. / Assessing Impacts of Changes in External Nutrient Loadings on a Temperate Chinese Drinking Water Reservoir, 2021, *Frontiers in Environmental Science*, vol 9
- Deng S., Liu S., Mo X., Jiang L., Bauer-Gottwein P. / Polar Drift in the 1990s Explained by Terrestrial Water Storage Changes, 2021, *Geophysical Research Letters*, vol 48
- Deng S., Liu S., Mo X. / Assessment and attribution of China's droughts using an integrated drought index derived from GRACE and GRACE-FO data, 2021, *Journal of Hydrology*, vol 603
- Ding J., Zhu D., Wang Y., Wang H., Liang A., Sun H., Chen Q., Lassen S.B., Lv M., Chen L. / Exposure to heavy metal and antibiotic enriches antibiotic resistant genes on the tire particles in soil, 2021, *Science of the Total Environment*, vol 792
- Ding M., Zhou R., Chen T., He L., Jeppesen E., Li L. / Physiological adaptations of the submerged macrophyte *Vallisneria spirulosa* in response to water level fluctuations, 2021, *Aquatic Ecology*, vol 55, pp. 33-45
- Dong B., Zhou Y., Jeppesen E., Shi K., Qin B. / Response of community composition and biomass of submerged macrophytes to variation in underwater light, wind and trophic status in a large eutrophic shallow lake, 2021, *Journal of Environmental Sciences (China)*, vol 103, pp. 298-310
- Dong J., Ma R., Cai P., Liu P., Yue H., Zhang X., Xu Q., Li R., Song X. / Effect of sample number and location on accuracy of land use regression model in NO₂ prediction, 2021, *Atmospheric Environment*, vol 246
- Dorigo W., Himmelbauer I., Aberer D., Schremmer L., Petrakovic I., Zappa L., Preimesberger W., Xaver A., Annor F., Ardö J., Baldocchi D., Bitelli M., Blöschl G., Boga H., Brocca L., Calvet J.C., Camarero J.J., Capello G., Choi M., Cosh M.C., Van De Giesen N., Hajdu I., Ikonen J., Jensen K.H., Kanniah K.D., De Kat I., Kirchengast G., Kumar Rai P., Kyrouac J., Larson K., Liu S., Loew A., Moghaddam M., Martinez Fernandez J., Mattar Bader C., Morbidelli R., Musial J.P., Osenga E., Palecki M.A., Pellarin T., Petropoulos G.P., Pfeil I., Powers J., Robock A., Rüdiger C., Rummel U., Strobel M., Su Z., Sullivan R., Tagesson T., Varlagin A., Vreugdenhil M., Walker J., Wen J., Wenger F., Wigneron J.P., Woods M., Yang K., Zeng Y., Zhang X., Zreda M., Dietrich S., Gruber A., Van Oevelen P., Wagner W., Scipal K., Drusch M., Sabia R. / The International Soil Moisture Network: Serving Earth system science for over a decade, 2021, *Hydrology and Earth System Sciences*, vol 25, pp. 5749-5804
- Du D., Lu Y., Zhou Y., Li Q., Zhang M., Han G., Cui H., Jeppesen E. / Bioaccumulation, trophic transfer and biomagnification of perfluoroalkyl acids (PFAAs) in the marine food web of the South China Sea, 2021, *Journal of Hazardous Materials*, vol 405
- Du P., Xu M., Li R. / Impacts of climate change on water resources in the major countries along the Belt and Road, 2021, *PeerJ*, vol 9
- Fu H., Ökan K., Yuan G., Johansson L.S., Søndergaard M., Lauridsen T.L., Jeppesen E. / Abiotic and biotic drivers of temporal dynamics in the spatial heterogeneity of zooplankton communities across lakes in recovery from eutrophication, 2021, *Science of the Total Environment*, vol 778

- Fu H., Wang X., Ge D., Li W., Tan X., Yuan G., Jeppesen E. / Human activities uncouple the cascading effects of hydrological gradients on plant diversity and ecosystem functions in the Lake Dongting wetland, 2021, *Ecohydrology*
- Fu H., Yuan G., Ökan K., Johansson L.S., Søndergaard M., Lauridsen T.L., Jeppesen E. / Patterns of Seasonal Stability of Lake Phytoplankton Mediated by Resource and Grazer Control During Two Decades of Re-oligotrophication, 2021, *Ecosystems*, vol 24, pp. 911-925
- Fu H., Zhou Y., Yuan G., Peng H., Wu A., Li W., Jeppesen E. / Environmental and spatial drivers for wetland plant communities in a freshwater lake: Reduced coupling of species and functional turnover, 2021, *Ecological Engineering*, vol 159
- Gao J., Yang C., Zhang Z., Liu Z., Jeppesen E. / Effects of co-occurrence of invading *Procambarus clarkii* and *Pomacea canaliculata* on *Vallisneria denseserrulata*-dominated clear-water ecosystems: A mesocosm approach, 2021, *Knowledge and Management of Aquatic Ecosystems*, vol 2021-January
- Gao X., Chen H., Gu B., Jeppesen E., Xue Y., Yang J. / Particulate organic matter as causative factor to eutrophication of subtropical deep freshwater: Role of typhoon (tropical cyclone) in the nutrient cycling, 2021, *Water Research*, vol 188
- Gao Y., Yin C., Liu X., Zhao Y., Chen F., Chen X., Guan B. / Changes of submerged macrophytes community in Lake Fuxian since 1960s, 2021, *Hupo Kexue/Journal of Lake Sciences*, vol 33, pp. 1209-1219
- Guo D., Olesen J.E., Manevski K., Ma X. / Optimizing irrigation schedule in a large agricultural region under different hydrologic scenarios, 2021, *Agricultural Water Management*, vol 245
- Gurmesa G.A., Mo J., Gundersen P., Mao Q., Fang Y., Zhu F., Lu X. / Retention and partitioning of ¹⁵N-labeled deposited N in a tropical plantation forest, 2021, *Biogeochemistry*, vol 152, pp. 237-251
- Han S., Liu S., Hu S., Song X., Mo X. / Evapotranspiration on natural and reclaimed coral islands in the south china sea, 2021, *Remote Sensing*, vol 13
- Han S., Liu S., Mo X., Yang L., Song X. / Soil water dynamics and water balance on a tropical coral island, 2021, *Hydrological Processes*, vol 35
- Han X., Xiao J., Wang L., Tian S., Liang T., Liu Y. / Identification of areas vulnerable to soil erosion and risk assessment of phosphorus transport in a typical watershed in the Loess Plateau, 2021, *Science of the Total Environment*, vol 758
- Han Y., Li Q., He H., Gu J., Wu Z., Huang X., Zou X., Zhang Y., Li K. / Effect of juvenile omni-benthivorous fish (*Carassius carassius*) disturbance on the efficiency of lanthanum-modified bentonite (LMB) for eutrophication control: a mesocosm study, 2021, *Environmental Science and Pollution Research*, vol 28, pp. 21779-21788
- Han Y., Zhang Y., Li Q., Lürling M., Li W., He H., Gu J., Li K. / Submerged macrophytes benefit from lanthanum modified bentonite treatment under juvenile omni-benthivorous fish disturbance: Implications for shallow lake restoration, 2021, *Freshwater Biology*
- He D., Zheng J., Ren L., Wu Q.L. / Substrate type and plant phenolics influence epiphytic bacterial assembly during short-term succession, 2021, *Science of the Total Environment*, vol 792
- He H., Chen K., Du Y., Li K., Liu Z., Jeppesen E., Søndergaard M. / Increased Nitrogen Loading Boosts Summer Phytoplankton Growth by Alterations in Resource and Zooplankton Control: A Mesocosm Study, 2021, *Frontiers in Environmental Science*, vol 9
- He H., Ning X., Chen K., Li Q., Li K., Liu Z., Jeppesen E. / Intraguild predation dampens trophic cascades in shallow aquatic mesocosms in the subtropics: Implications for lake restoration by biomanipulation, 2021, *Freshwater Biology*, vol 66, pp. 1571-1580
- He L., Mo X., Hu S., Liu S. / Global sensitivity and uncertainty analysis of the VIP ecosystem model with an expanded soil nitrogen module for winter wheat-summer maize rotation system in the North China Plain, 2021, *Pedosphere*, vol 31, pp. 822-838
- He R., Zeng J., Zhao D., Wang S., Wu Q.L. / Decreased spatial variation and deterministic processes of bacterial community assembly in the rhizosphere of *Phragmites australis* across the Middle-Lower Yangtze plain, 2021, *Molecular Ecology*
- He Y., Han X., Wang X., Wang L., Liang T. / Long-term ecological effects of two artificial forests on soil properties and quality in the eastern Qinghai-Tibet Plateau, 2021, *Science of the Total Environment*, vol 796
- Hu S., Mo X. / Attribution of long-term evapotranspiration trends in the mekong river basin with a remote sensing-based process model, 2021, *Remote Sensing*, vol 13

- Huang L., Hansen H.C., Yang X., Mu J., Xie Z., Li S., Wu G., Hu Z. / Effects of sulfur application on cadmium accumulation in brown rice under wheat-rice rotation, 2021, *Environmental Pollution*, vol 287
- Huang L., Hansen H.C., Yang X., Xie Z., Li S., Yang M., Liang X., Hu Z. / Does sulfur application continue to reduce cadmium accumulation and increase the seed yield of oilseed rape (*Brassica napus* L.) at the maturity stage?, 2021, *Journal of the Science of Food and Agriculture*
- Huang L., Yang X., Xie Z., Li S., Liang X., Hu Z. / Residual effects of sulfur application prior to oilseed rape cultivation on cadmium accumulation in brown rice under an oilseed rape-rice rotation pot experiment, 2021, *Ecotoxicology and Environmental Safety*, vol 225
- Huang X., Xie H., Wei W., Li K. / Effect of Different Water Depths on Morphological and Physiological Traits of Emergent Plants, 2021, *Research of Environmental Sciences*, vol 34, pp. 2706-2713
- Huang X., Yu J., Liu S., Xie H., He H., Li K. / Plant morphological traits and competition index comparisons of three invasive and native submerged plants, 2021, *Knowledge and Management of Aquatic Ecosystems*, vol 2020-January
- Jensen D.A., Rao M., Zhang J., Grøn M., Tian S., Ma K., Svenning J.C. / The potential for using rare, native species in reforestation - A case study of yews (*Taxaceae*) in China, 2021, *Forest Ecology and Management*, vol 482
- Jensen D.A., Svenning J.C. / Population ecology and dynamics of a remnant natural population of European yew *Taxus baccata* in a lowland temperate forest - implications for use in reforestation, 2021, *Nordic Journal of Botany*, vol 39
- Jensen S.M., Esposito C., Konnerup D., Brix H., Arias C.A. / Phosphorus recovery from wastewater: Bioavailability of p bound to calcareous material for maize (*zea mays* L.) growth, 2021, *Recycling*, vol 6
- Jeppesen E., Johansson L.S., Tserenpil S., Søndergaard M., Lauridsen T.L., Andersen P. / Do cross-latitude and local studies give similar predictions of phytoplankton responses to warming? An analysis of monitoring data from 504 Danish lakes, 2021, *Sustainability (Switzerland)*, vol 13
- Jeppesen E., Pierson D., Jennings E. / Effect of extreme climate events on lake ecosystems, 2021, *Water (Switzerland)*, vol 13
- Jespersen E., Kirk G.H., Brix H., Eller F., Sorrell B.K. / Shade and salinity responses of two dominant coastal wetland grasses: implications for light competition at the transition zone, 2021, *Annals of botany*, vol 128, pp. 469-480
- Jia Y., Hu Z., Ba Y., Qi W. / Application of biochar-coated urea controlled loss of fertilizer nitrogen and increased nitrogen use efficiency, 2021, *Chemical and Biological Technologies in Agriculture*, vol 8
- Jin H., Köppl C.J., Fischer B.M., Rojas-Conejo J., Johnson M.S., Morillas L., Lyon S.W., Duran-Quesada A.M., Suarez-Serrano A., Manzoni S., Garcia M. / Drone-based hyperspectral and thermal imagery for quantifying upland rice productivity and water use efficiency after biochar application, 2021, *Remote Sensing*, vol 13
- Kalkhajah Y.K., Huang B., Sørensen H., Holm P.E., Hansen H.C. / Phosphorus accumulation and leaching risk of greenhouse vegetable soils in Southeast China, 2021, *Pedosphere*, vol 31, pp. 683-693
- Kornijaow R., Dułowska M., Leszczyńska J., Smith C., Jeppesen E., Hansson L.A., Ketola M., Irvine K., Najuges T., Sahuquillo M., Miracle M.R., Gross E., Kairesalo T., Donk E., Eyto E., Garcaa-Criado F., Grzybkowska M., Moss B. / Distribution patterns of epiphytic reed-associated macroinvertebrate communities across European shallow lakes, 2021, *Science of the Total Environment*, vol 760
- Lacerda Macedo R., Clara Sampaio Franco A., Russo P., Collart T., Mammola S., Jeppesen E., Wyss Castelo Branco C., Neves dos Santos L., Rocha O. / Climate and landscape changes enhance the global spread of a bloom-forming dinoflagellate related to fish kills and water quality deterioration, 2021, *Ecological Indicators*, vol 133
- Lacerot G., Kosten S., Mendonça R., Jeppesen E., Attayde J.L., Mazzeo N., Teixeira-de-Mello F., Cabana G., Arim M., Cantarino Gomes J.H., Tserenpil S., Scheffer M. / Large fish forage lower in the food web and food webs are more truncated in warmer climates, 2021, *Hydrobiologia*
- Lassen S.B., Ahsan M.E., Islam S.R., Zhou X.Y., Razzak M.A., Su J.Q., Brandt K.K. / Prevalence of antibiotic resistance genes in *Pangasianodon hypophthalmus* and *Oreochromis niloticus* aquaculture production systems in Bangladesh, 2021, *Science of the Total Environment*
- Li B., Feng M., Chen X., Wang Y., Shen Y., Wu Q.L. / Abundant sediment organic matter potentially facilitates chemical iron reduction and surface water blackness in a Chinese deep lake, 2021, *Environmental Pollution*, vol 272

- Li H.Z., Zhu D., Lindhardt J.H., Lin S.M., Ke X., Cui L. / Long-Term Fertilization History Alters Effects of Microplastics on Soil Properties, Microbial Communities, and Functions in Diverse Farmland Ecosystem, 2021, *Environmental Science and Technology*, vol 55, pp. 4658-4668
- Li L., Wang Y., Liu F. / Alternate partial root-zone N-fertigation increases water use efficiency and N uptake of barley at elevated CO₂, 2021, *Agricultural Water Management*, vol 258
- Li M., Kang E., Wang J., Yan Z., Zhang K., Hu Z., Kang X. / Phosphorus accumulation poses less influence than soil physicochemical properties on organic phosphorus adsorption on ferrasol, 2021, *Geoderma*, vol 402
- Li N., Kinzelbach W., Li H., Li W., Chen F. / Improving parameter and state estimation of a hydrological model with the ensemble square root filter, 2021, *Advances in Water Resources*, vol 147
- Li T., Cui L., Xu Z., Hu R., Joshi P.K., Song X., Tang L., Xia A., Wang Y., Guo, Zhu J., Hao Y., Song L., Cui X. / Quantitative analysis of the research trends and areas in grassland remote sensing: A scientometrics analysis of web of science from 1980 to 2020, 2021, *Remote Sensing*, vol 13
- Li T., Jia Y., Fava F., Xu Z., Zhu J., Yang Y., Tang L., Wang Y., Hao Y., Cui X. / A geographic identification of sustainable development obstacles and countermeasures in drylands: A case study in Inner Mongolia, China, 2021, *Ecological Indicators*, vol 132
- Li Y., Wu S., Wang S., Zhao S., Zhuang X. / Anaerobic degradation of xenobiotic organic contaminants (XOCs): The role of electron flow and potential enhancing strategies, 2021, *Journal of Environmental Sciences (China)*, vol 101, pp. 397-412
- Liao A., Han D., Song X., Yang S. / Impacts of storm events on chlorophyll-a variations and controlling factors for algal bloom in a river receiving reclaimed water, 2021, *Journal of Environmental Management*, vol 297
- Lin Z., Zhong C., Yu G., Fu Y., Guan B., Liu Z., Yu J. / Effects of sediments phosphorus inactivation on the life strategies of *Myriophyllum spicatum*: Implications for lake restoration, 2021, *Water (Switzerland)*, vol 13
- Liu H., Zhang Y., Yang J., Wang H., Li Y., Shi Y., Li D., Holm P.E., Ou Q., Hu W. / Quantitative source apportionment, risk assessment and distribution of heavy metals in agricultural soils from southern Shandong Peninsula of China, 2021, *Science of the Total Environment*, vol 767
- Liu J., Cai P., Dong J., Wang J., Li R., Song X. / Assessment of the dynamic exposure to pm2.5 based on hourly cell phone location and land use regression model in Beijing, 2021, *International Journal of Environmental Research and Public Health*, vol 18
- Liu M., Wang H.J., Wang H.Z., Ma S.N., Yu Q., Uddin K.B., Li Y., Hollander J., Jeppesen E. / Decreasing toxicity of un-ionized ammonia on the gastropod *Bellamya aeruginosa* when moving from laboratory to field scale, 2021, *Ecotoxicology and Environmental Safety*, vol 227
- Liu Q., Liu L., Liu X., Li S., Liu G. / Building stock dynamics and the impact of construction bubble and bust on employment in China, 2021, *Journal of Industrial Ecology*, vol 25, pp. 1631-1643
- Liu W., Mo X., Liu S., Lin Z., Lv C. / Attributing the changes of grass growth, water consumed and water use efficiency over the Tibetan Plateau, 2021, *Journal of Hydrology*, vol 598
- Liu X., Wei Z., Manevski K., Liu J., Ma Y., Andersen M.N., Liu F. / Partial root-zone drying irrigation increases water-use efficiency of tobacco plants amended with biochar, 2021, *Industrial Crops and Products*, vol 166
- Liu Y., Aznarez C., Jeppesen E., He H., Li W., Levi E.E., Pacheco J.P., Cao Y. / Responses of submerged macrophytes and periphyton to warming under two nitrogen scenarios: A microcosm study, 2021, *Hydrobiologia*, vol 848, pp. 1333-1346
- Lu S., He R., Zhao D., Zeng J., Huang X., Li K., Yu Z., Wu Q.L. / Effects of shading levels on the composition and co-occurrence patterns of bacterioplankton and epibiotic bacterial communities of *Cabomba caroliniana*, 2021, *Science of the Total Environment*, vol 785
- Lu Y., Yuan J., Du D., Sun B., Yi X. / Monitoring long-term ecological impacts from release of Fukushima radiation water into ocean, 2021, *Geography and Sustainability*, vol 2, pp. 95-98
- Lv J., Niu Y., Yuan R., Wang S. / Different responses of bacterial and archaeal communities in river sediments to water diversion and seasonal changes, 2021, *Microorganisms*, vol 9
- Lv J., Yuan R., Wang S. / Water diversion induces more changes in bacterial and archaeal communities of river sediments than seasonality, 2021, *Journal of Environmental Management*, vol 293

- Ma N., Guo Q., Li Y., Li S. / Overview of the measures and techniques used to protect traffic lines against shifting sands in china, 2021, *Journal of Resources and Ecology*, vol 12, pp. 124-135
- Ma S.N., Wang H.J., Wang H.Z., Zhang M., Li Y., Bian S.J., Liang X.M., Søndergaard M., Jeppesen E. / Effects of nitrate on phosphorus release from lake sediments, 2021, *Water Research*, vol 194
- Manolaki P., Olesen A., Graves Hvidt B., Lauridsen T.L., Riis T. / Investigating emergent macrophytes establishment rate and propagation towards constructed wetlands efficacy optimization, 2021, *Knowledge and Management of Aquatic Ecosystems*, vol 2020-January
- Mao Z., Gu X., Cao Y., Luo J., Zeng Q., Chen H., Jeppesen E. / How does fish functional diversity respond to environmental changes in two large shallow lakes?, 2021, *Science of the Total Environment*, vol 753
- Mao Z., Gu X., Cao Y., Luo J., Zeng Q., Chen H., Jeppesen E. / Pelagic energy flow supports the food web of a shallow lake following a dramatic regime shift driven by water level changes, 2021, *Science of the Total Environment*, vol 756
- Martinsen G., Liu S., Mo X., Davidsen C., Payet-Burin R., Bauer-Gottwein P. / The Impact of Assuming Perfect Foresight in Hydroeconomic Analysis of Yellow River Diversions to the Hai River Basin, China: A Framework Combining Linear Programming and Model Predictive Control, 2021, *Frontiers in Water*, vol 3
- Mehner T., Argillier C., Hesthagen T., Holmgren K., Jeppesen E., Kelly F., Krause T., Olin M., Volta P., Winfield I.J., Brucet S. / Model-based decomposition of environmental, spatial and species-interaction effects on the community structure of common fish species in 772 European lakes, 2021, *Global Ecology and Biogeography*, vol 30, pp. 1558-1571
- Mei X., Razlutskiy V., Rudstam L.G., Jeppesen E., Tang Y., Zhang X., Liu Z. / Effects of omnivorous fish on benthic-pelagic habitats coupling in shallow aquatic ecosystems: A minireview, 2021, *Hupo Kexue/Journal of Lake Sciences*, vol 33, pp. 667-674
- Meng C., Mo X., Liu S., Hu S. / Extensive evaluation of IMERG precipitation for both liquid and solid in Yellow River source region, 2021, *Atmospheric Research*, vol 256
- Min C., Johansson L.S., Søndergaard M., Lauridsen T.L., Chen F., Sh T., Jeppesen E. / Copepods as environmental indicator in lakes: special focus on changes in the proportion of calanoids along nutrient and pH gradients, 2021, *Aquatic Ecology*, vol 55, pp. 1241-1252
- Mirasbekov Y., Zhumakhanova A., Zhantuyakova A., Sarfytbayev K., Malashenkov D.V., Baishulakova A., Dashkova V., Davidson T.A., Vorobjev I.A., Jeppesen E., Barteneva N.S. / Semi-automated classification of colonial *Microcystis* by FlowCAM imaging flow cytometry in mesocosm experiment reveals high heterogeneity during seasonal bloom, 2021, *Scientific Reports*, vol 11
- Mo X.G., Liu W., Meng C.C., Hu S., Liu S.X., Lin Z.H. / Variations of forage yield and forage-livestock balance in grasslands over the Tibetan Plateau, China, 2021, *Chinese Journal of Applied Ecology*, vol 32, pp. 2415-2425
- Mo Y., Peng F., Gao X., Xiao P., Logares R., Jeppesen E., Ren K., Xue Y., Yang J. / Low shifts in salinity determined assembly processes and network stability of microeukaryotic plankton communities in a subtropical urban reservoir, 2021, *Microbiome*, vol 9
- Moi D.A., Alves D.C., Figueiredo B.R., Antiquera P.A., Teixeira de Mello F., Jeppesen E., Romero G.Q., Mormul R.P., Bonecker C.C. / Non-native fishes homogenize native fish communities and reduce ecosystem multifunctionality in tropical lakes over 16 years, 2021, *Science of the Total Environment*, vol 769
- Nielsen A., Schmidt Hu F.R., Schnedler-Meyer N.A., Bolding K., Andersen T.K., Trolle D. / Introducing QWET - A QGIS-plugin for application, evaluation and experimentation with the WET model: *Environmental Modelling and Software*, 2021, *Environmental Modelling and Software*, vol 135
- Pacheco J.P., Aznarez C., Levi E.E., Baattrup-Pedersen A., Jeppesen E. / Periphyton responses to nitrogen decline and warming in eutrophic shallow lake mesocosms, 2021, *Hydrobiologia*
- Pacheco J.P., Aznarez C., Meerhoff M., Liu Y., Li W., Baattrup-Pedersen A., Yu C., Jeppesen E. / Small-sized omnivorous fish induce stronger effects on food webs than warming and eutrophication in experimental shallow lakes, 2021, *Science of the Total Environment*, vol 797
- Pacheco J.P., Iglesias Frizzera C., Goyenola G., Teixeira de-Mello F., Fosalba C., Baattrup-Pedersen A., Meerhoff M., Jeppesen E. / Invasion of *Ceratium furcoides* in subtropical lakes in Uruguay: Environmental drivers and fish kill record during its bloom, 2021, *Biological Invasions*, vol 23, pp. 3597-3612

- Pan M., Lyu T., Zhan L., Matamoros V., Angelidaki I., Cooper M., Pan G. / Mitigating antibiotic pollution using cyanobacteria: Removal efficiency, pathways and metabolism, 2021, *Water Research*, vol 190
- Pan M., Su Y., Zhu X., Pan G., Zhang Y., Angelidaki I. / Bioelectrochemically assisted sustainable conversion of industrial organic wastewater and clean production of microalgal protein, 2021, *Resources, Conservation and Recycling*, vol 168
- Pan M., Zhu X., Pan G., Angelidaki I. / Integrated valorization system for simultaneous high strength organic wastewater treatment and astaxanthin production from *Haematococcus pluvialis*, 2021, *Bioresource Technology*, vol 326
- Parra G., Guerrero F., Armengol J., Brendonck L., Brucet S., Finlayson C.M., Gomes-Barbosa L., Grillas P., Jeppesen E., Ortega F., Vega R., Zohary T. / The future of temporary wetlands in drylands under global change, 2021, *Inland Waters*, vol 11, pp. 445-456
- Peng H., Ge D., Yuan G., Zou D., Fu H., Jeppesen E. / Effect of clonal fragmentation on the growth of *Vallisneria spiralis* (Lour.) Hara at contrasting nutrient and light conditions, 2021, *Hydrobiologia*, vol 848, pp. 903-912
- Pu Q., Fan X.T., Li H., An X.L., Lassen S.B., Su J.Q. / Cadmium enhances conjugative plasmid transfer to a fresh water microbial community, 2021, *Environmental Pollution*, vol 268
- Pu Q., Fan X.T., Sun A.Q., Pan T., Li H., Bo Lassen S., An X.L., Su J.Q. / Co-effect of cadmium and iron oxide nanoparticles on plasmid-mediated conjugative transfer of antibiotic resistance genes, 2021, *Environment International*, vol 152
- Qin W., Han D., Song X., Liu S. / Environmental isotopes ($\delta^{18}\text{O}$, $\delta^2\text{H}$, ^{222}Rn) and hydrochemical evidence for understanding rainfall-surface water-groundwater transformations in a polluted karst area, 2021, *Journal of Hydrology*, vol 592
- Qin W., Han D., Song X., Liu S. / Sources and migration of heavy metals in a karst water system under the threats of an abandoned Pb-Zn mine, Southwest China, 2021, *Environmental Pollution*, vol 277
- Razlutskiy V., Mei X., Maisak N., Sysova E., Lukashanets D., Makaranka A., Jeppesen E., Zhang X. / Omnivorous carp (*Carassius gibelio*) increase eutrophication in part by preventing development of large-bodied zooplankton and submerged macrophytes, 2021, *Water (Switzerland)*, vol 13
- Ren L., Liu Y., Lauridsen T.L., Søndergaard M., Han B., Wang J., Jeppesen E., Zhou J., Wu Q.L. / Warming exacerbates the impact of nutrient enrichment on microbial functional potentials important to the nutrient cycling in shallow lake mesocosms, 2021, *Limnology and Oceanography*, vol 66, pp. 2481-2495
- Ren Y., Liu S. / Difference of total precipitation and snowfall in the Upper Yangtze River basin under 1.5 °C and 2 °C global warming scenarios, 2021, *Meteorology and Atmospheric Physics*, vol 133, pp. 295-315
- Ribeiro S., Limoges A., Masse G., Johansen K.L., Colgan W., Weckström K., Jackson R., Georgiadis E., Mikkelsen N., Kuijpers A., Olsen J., Olsen S.M., Nissen M., Andersen T.J., Strunk A., Wetterich S., Syväranta J., Henderson A.C., Mackay H., Taipale S., Jeppesen E., Larsen N.K., Crosta X., Giraudeau J., Wengrat S., Nuttall M., Grønnow B., Mosbech A., Davidson T.A. / Vulnerability of the North Water ecosystem to climate change, 2021, *Nature Communications*, vol 12
- Rong Y., Tang Y., Ren L., Taylor W.D., Razlutskiy V., Naselli-Flores L., Liu Z., Zhang X. / Effects of the filter-feeding benthic bivalve *Corbicula fluminea* on plankton community and water quality in aquatic ecosystems: A mesocosm study, 2021, *Water (Switzerland)*, vol 13
- Søndergaard M., Davidson T.A., Lauridsen T.L., Johansson L.S., Jeppesen E. / Submerged macrophytes in Danish lakes: impact of morphological and chemical factors on abundance and species richness, 2021, *Hydrobiologia*
- Sang C., An W., Sørensen P.B., Han M., Hong Y., Yang M. / Gross alpha and beta measurements in drinkable water from seven major geographical regions of China and the associated cancer risks, 2021, *Ecotoxicology and Environmental Safety*, vol 208
- Shen R., Gu X., Chen H., Mao Z., Zeng Q., Jeppesen E. / Silver carp (*Hypophthalmichthys molitrix*) stocking promotes phytoplankton growth by suppression of zooplankton rather than through nutrient recycling: An outdoor mesocosm study, 2021, *Freshwater Biology*, vol 66, pp. 1074-1088
- Su D., Ben W., Strobel B.W., Qiang Z. / Impacts of wastewater treatment plant upgrades on the distribution and risks of pharmaceuticals in receiving rivers, 2021, *Journal of Hazardous Materials*, vol 406
- Su J., Qiu Y., Yang X., Li S., Hu Z. / Dose-effect relationship of water salinity levels on osmotic regulators, nutrient uptake and growth of transplanting vetiver [*Vetiveria zizanioides* (L.) Nash], 2021, *Plants*, vol 10

- Su R., Huang R., Zeng J., Zhao D., He R., Yu Z., Wu Q.L. / Rhizosphere-associated nosZII microbial community of *Phragmites australis* and its influence on nitrous oxide emissions in two different regions, 2021, *Journal of Soils and Sediments*, vol 21, pp. 3326-3341
- Tan S., Tao J., Luo W., Jiang H., Liu Y., Xu H., Zeng Q., Shi H. / Influence of functional groups on the self-assembly of liquid crystals, 2021, *Chinese Chemical Letters*, vol 32, pp. 1149-1152
- Ting-Ting M., Ya-Min F., Kuan-Yi L., Zhong-Jun H., Zhao-Shi W. / Ecological health assessment of main estuaries of lake Taihu based on phytoplankton index of biotic integrity, 2021, *Journal of Ecology and Rural Environment*, vol 37, pp. 501-508
- Vidal N., Amsinck S.L., Gonçalves V., Neto Azevedo J.M., Johansson L.S., Christoffersen K.S., Lauridsen T.L., Søndergaard M., Bjerring R., Landkildehus F., Brodersen K.P., Meerhoff M., Jeppesen E. / Food webs and fish size patterns in insular lakes partially support climate-related features in continental lakes, 2021, *Water (Switzerland)*, vol 13
- Vidal N., Yu J., Gutierrez M.F., de Mello F.T., Tavsanoğlu Ü.N., Çakiroğlu A.I., He H., Meerhoff M., Brucet S., Liu Z., Jeppesen E. / Salinity shapes food webs of lakes in semiarid climate zones: a stable isotope approach, 2021, *Inland Waters*, vol 11, pp. 476-491
- Volta P., Jeppesen E. / Impacts of human activities and climate change on freshwater fish, 2021, *Water (Switzerland)*, vol 13
- Wang H., Xu C., Liu Y., Jeppesen E., Svenning J.C., Wu J., Zhang W., Zhou T., Wang P., Nangombe S., Ma J., Duan H., Fang J., Xie P. / From unusual suspect to serial killer: Cyanotoxins boosted by climate change may jeopardize megafauna, 2021, *The Innovation*, vol 2
- Wang L., Wang X., Fang H., Liang T., Pei Z. / Coupling relationship between resource environment and social economy development in typical regions of Qinghai-Tibet Plateau, 2021, *Huanjing Kexue Xuebao/Acta Scientiae Circumstantiae*, vol 41, pp. 2510-2518
- Wang T., Hu Z., Zhang L., Wang J., Zhang X., Li Z., Dong H. / Hydrodynamic Characteristics of N₂-[Bmim][NO₃] Two-Phase Taylor Flow in Microchannels, 2021, *Industrial and Engineering Chemistry Research*, vol 60, pp. 17248-17258
- Wang X., Wu Y., Manevski K., Fu M., Yin X., Chen F. / A framework for the heterogeneity and ecosystem services of farmland landscapes: An integrative review, 2021, *Sustainability (Switzerland)*, vol 13
- Wu R., Hu Z., Sun Y., Geng Z., Cui Y. / The Effects of Soil Water Content on Distribution of Mobile Phosphorus Concentration in Soil, 2021, *Journal of Irrigation and Drainage*, vol 40, pp. 73-80
- Wu Z., Lai X., Li K. / Water quality assessment of rivers in Lake Chaohu Basin (China) using water quality index, 2021, *Ecological Indicators*, vol 121
- Wu Z., Ma T., Lai X., Li K. / Concentration, distribution, and assessment of dissolved heavy metals in rivers of Lake Chaohu Basin, China, 2021, *Journal of Environmental Management*, vol 300
- Xie L., Jespersen E., Ye S., Pei L., Song H., Guo X., Guo W., Brix H., Eller F. / Intraspecific differences of Asian/Australian *Phragmites australis* subgroups reveal no potentially invasive traits, 2021, *Hydrobiologia*, vol 848, pp. 3331-3351
- Xie Z., Yang X., Sun X., Huang L., Li S., Hu Z. / Effects of biochar application and irrigation rate on the soil phosphorus leaching risk of fluvisol profiles in open vegetable fields, 2021, *Science of the Total Environment*, vol 789
- Xin P., Han S., Yang Y., Zhou X., Zhou H. / Changes in water requirements for production and virtual water trade of cotton in Central Asia, 2021, *Chinese Journal of Eco-Agriculture*, vol 29, pp. 290-298
- Xing L., Qin W., Manevski K., Zhang Y., Hu C., Zhang L., Dong W., Wang Y., Li X., Gaudel G., Qin S. / An improved microelectrode method reveals significant emission of nitrous oxide from the rhizosphere of a long-term fertilized soil in the North China Plain, 2021, *Science of the Total Environment*, vol 783
- Xing P., Tao Y., Jeppesen E., Wu Q.L. / Comparing microbial composition and diversity in freshwater lakes between Greenland and the Tibetan Plateau, 2021, *Limnology and Oceanography*, vol 66, pp. 5142-5156
- Xu C., Wang H.J., Li Y., Xu C., Yu Q., Liu M., Zhang M., Wang H.Z., Hamilton D.P., Jeppesen E. / Can artificial light promote submerged macrophyte growth in summer?, 2021, *Aquatic Ecology*
- Xu H., Zeng J., Li C., Zhao D., He R., Wu Q.L. / Distinct microhabitats affect the relative balance of ecological processes shaping the spatial distribution of bacterial communities in lakeshore habitats, 2021, *Freshwater Biology*, vol 66, pp. 1475-1489

- Yang X., Bornø M.L., Wei Z., Liu F. / Combined effect of partial root drying and elevated atmospheric CO₂ on the physiology and fruit quality of two genotypes of tomato plants with contrasting endogenous ABA levels, 2021, *Agricultural Water Management*, vol 254
- Yao T., Liu S. / Comparison of the variation characteristics of water resource use efficiency indicators in the Beijing-Tianjin-Hebei region, 2021, *Progress in Geography*, vol 40, pp. 1195-1207
- Yu J., Xia M., Guan B., He H., Chen F., Liu Z. / Interactive effects of bitterling fish and mussel on the community structures of plankton and benthic macroinvertebrates, 2021, *Hupo Kexue/Journal of Lake Sciences*, vol 33, pp. 1230-1240
- Yu J., Xia M., He H., Guan B., Liu Z., Jeppesen E. / Species-specific responses of submerged macrophytes to the presence of a small omnivorous bitterling *Acheilognathus macropterus*, 2021, *Science of the Total Environment*, vol 753
- Yu J., Xia M., Zhao Y., He H., Guan B., Chen F., Liu Z., Jeppesen E. / Consumer-driven nutrient release to the water by a small omnivorous fish enhanced ramet production but reduced the growth rate of the submerged macrophyte *Vallisneria denseserrulata* (Makino) Makino, 2021, *Hydrobiologia*, vol 848, pp. 4335-4346
- Yu J., Zhen W., Kong L., He H., Zhang Y., Yang X., Chen F., Zhang M., Liu Z., Jeppesen E. / Changes in pelagic fish community composition, abundance, and biomass along a productivity gradient in subtropical lakes, 2021, *Water (Switzerland)*, vol 13
- Yu Y.X., Li Y., Wang H.J., Wu X.D., Zhang M., Wang H.Z., Hamilton D.P., Jeppesen E. / Submersed macrophyte restoration with artificial light-emitting diodes: A mesocosm experiment, 2021, *Ecotoxicology and Environmental Safety*, vol 228
- Yılmaz G., Çolak M.A., Ögencil İ.K., Metin M., Korkmaz M., Ertuğrul S., Soyluer M., Bucak T., Tavsanoğlu Ü.N., Ökan K., Akyürek Z., Beklioğlu M., Jeppesen E. / Decadal changes in size, salinity, waterbirds, and fish in lakes of the Konya Closed Basin, Turkey, associated with climate change and increasing water abstraction for agriculture, 2021, *Inland Waters*, vol 11, pp. 538-555
- Zeng Q., Xu Y., Jeppesen E., Gu X., Mao Z., Chen H. / Farming practices affect the amino acid profiles of the aquaculture Chinese mitten crab, 2021, *PeerJ*
- Zhan L., Li W., Li M., Jensen M.B., Zhang M., Qiang Z. / Measurement and modeling of atrazine degradation kinetics in flow-through UV/H₂O₂ reactors, 2021, *Chinese Journal of Environmental Engineering*, vol 15, pp. 982-991
- Zhan L., Li W., Liu L., Han T., Li M., Qiang Z. / Degradation of micropollutants in flow-through VUV/UV/H₂O₂ reactors: Effects of H₂O₂ dosage and reactor internal diameter, 2021, *Journal of Environmental Sciences (China)*, vol 110, pp. 28-37
- Zhang C., Dong W., Manevski K., Hu W., Timilsina A., Chen X., Zhang X., Hu C. / Long-term warming and nitrogen fertilization affect C-, N- and P-acquiring hydrolase and oxidase activities in winter wheat monocropping soil, 2021, *Scientific Reports*, vol 11
- Zhang J., Chen Y., Huo Y., Guo J., Wan L., Lu Z., Wu Q.L., Jeppesen E., Han B.P., Ren L. / Eutrophication increases deterministic processes and heterogeneity of co-occurrence networks of bacterioplankton metacommunity assembly at a regional scale in tropical coastal reservoirs, 2021, *Water Research*, vol 202
- Zhang L., Dong H., Zeng S., Hu Z., Hussain S., Zhang X. / An Overview of Ammonia Separation by Ionic Liquids, 2021, *Industrial and Engineering Chemistry Research*, vol 60, pp. 6908-6924
- Zhang M., Wang P., Lu Y., Shi Y., Wang C., Sun B., Li X., Song S., Yu M., Zhao J., Du D., Qin W., Wang T., Han G., Liu Z., Baninla Y., Zhang A. / Transport and environmental risks of perfluoroalkyl acids in a large irrigation and drainage system for agricultural production, 2021, *Environment International*, vol 157
- Zhang W., Kang X., Kang E., Audet J., Davidson T.A., Zhang X., Yan L., Li Y., Yan Z., Zhang K., Wang J., Hu Z. / Soil water content, carbon, and nitrogen determine the abundances of methanogens, methanotrophs, and methane emission in the Zoige alpine wetland, 2021, *Journal of Soils and Sediments*
- Zhang X., Tong C., Taylor W.D., Rudstam L.G., Jeppesen E., Bolotov I., Beshpalaya Y.V., Razlutskij V., Mei X., Liu Z. / Does differential phosphorus processing by plankton influence the ecological state of shallow lakes?, 2021, *Science of the Total Environment*, vol 769
- Zhang X., Zhen W., Jensen H.S., Reitzel K., Jeppesen E., Liu Z. / The combined effects of macrophytes (*Vallisneria denseserrulata*) and a lanthanum-modified bentonite on water quality of shallow eutrophic lakes: A mesocosm study, 2021, *Environmental Pollution*, vol 277
- Zhang Y., Cai Y., Zhang Y., Gao J., Li K. / The response of benthic macroinvertebrate communities to environmental pressures in streams and rivers: A case study of Taihu and Chaohu Basins, 2021, *Hupo Kexue/Journal of Lake Sciences*, vol 33, pp. 204-217

Zhang Y., Leung J.Y., Zhang Y., Cai Y., Zhang Z., Li K. / Agricultural activities compromise ecosystem health and functioning of rivers: Insights from multivariate and multimetric analyses of macroinvertebrate assemblages, 2021, *Environmental Pollution*, vol 275

Zhang Y., Shi K., Zhang Y., Moreno-Madriñan M.J., Xu X., Zhou Y., Qin B., Zhu G., Jeppesen E. / Water clarity response to climate warming and wetting of the Inner Mongolia-Xinjiang Plateau: A remote sensing approach, 2021, *Science of the Total Environment*, vol 796, pp. 148916

Zhang Y., Zhang H., Wang J., Yu Z., Li H., Yang M. / Suspect and target screening of emerging pesticides and their transformation products in an urban river using LC-QTOF-MS, 2021, *Science of the Total Environment*, vol 790

Zhang Y., Zhang H., Yang M. / Profiles and risk assessment of legacy and current use pesticides in urban rivers in Beijing, China, 2021, *Environmental Science and Pollution Research*, vol 28, pp. 39423-39431

Zhang Y., Zhou L., Zhou Y., Zhang L., Yao X., Shi K., Jeppesen E., Yu Q., Zhu W. / Chromophoric dissolved organic matter in inland waters: Present knowledge and future challenges, 2021, *Science of the Total Environment*, vol 759

Zhang Z., Li X., Hu X., Zhang S., Li A., Deng Y., Wu Y., Li S., Che R., Cui X. / Downward aeration promotes static composting by affecting mineralization and humification, 2021, *Bioresource Technology*, vol 338

Zhou H., Liu S., Hu S., Mo X. / Retrieving dynamics of the surface water extent in the upper reach of Yellow River, 2021, *Science of the Total Environment*, vol 800

Zhou L., Zhou Y., Tang X., Zhang Y., Jang K.S., Szekeley A.J., Jeppesen E. / Resource aromaticity affects bacterial community successions in response to different sources of dissolved organic matter, 2021, *Water Research*, vol 190

Zhou L., Zhou Y., Tang X., Zhang Y., Jeppesen E. / Biodegradable dissolved organic carbon shapes bacterial community structures and co-occurrence patterns in large eutrophic Lake Taihu, 2021, *Journal of Environmental Sciences (China)*, vol 107, pp. 205-217

Zhou L., Zhou Y., Tang X., Zhang Y., Zhu G., Szekeley A.J., Jeppesen E. / Eutrophication alters bacterial co-occurrence networks and increases the importance of chromophoric dissolved organic matter composition, 2021, *Limnology and Oceanography*, vol 66, pp. 2319-2332

Zhou L.J., Han P., Zhao M., Yu Y., Sun D., Hou L., Liu M., Zhao Q., Tang X., Klümper U., Gu J.D., Men Y., Wu Q.L. / Biotransformation of lincomycin and fluoroquinolone antibiotics by the ammonia oxidizers AOA, AOB and comammox: A comparison of removal, pathways, and mechanisms, 2021, *Water Research*, vol 196

Zhou Q., He R., Zhao D., Zeng J., Yu Z., Wu Q.L. / Contrasting Patterns of the Resident and Active Rhizosphere Bacterial Communities of *Phragmites Australis*, 2021, *Microbial Ecology*

Zhou S., Xu S., Jiang Y., Jiang C., Wang D., Xu G., Yang D., Wu S., Bai Z., Zhuang G., Zhuang X. / Enhancing nitrogen removal from anaerobically-digested swine wastewater through integration of *Myriophyllum aquaticum* and free nitrous acid-based technology in a constructed wetland, 2021, *Science of the Total Environment*, vol 779

Zhou X., Zhang Y., Sheng Z., Manevski K., Andersen M., Han S., Li H., Yang Y. / Did water-saving irrigation protect water resources over the past 40 years? A global analysis based on water accounting framework, 2021, *Agricultural Water Management*, vol 249

Zhou Y., Yao X., Zhou L., Zhao Z., Wang X., Jang K.S., Tian W., Zhang Y., Podgorski D.C., Spencer R.G., Kothawala D.N., Jeppesen E., Wu F. / How hydrology and anthropogenic activity influence the molecular composition and export of dissolved organic matter: Observations along a large river continuum, 2021, *Limnology and Oceanography*, vol 66, pp. 1730-1742

Social Sciences

Bai Y., Zhou T., Ma Z., Zhang L. / Does road accessibility benefit rural poor? Evidence on the extent of household off-farm employment from 2004 to 2018, 2021, *China Agricultural Economic Review*, vol 13, pp. 639-672

Brødgaard K.E., Beck K.I. / Big Business and Cadre Management in China, 2021, *Copenhagen Journal of Asian Studies*, vol 39, pp. 53-76

Chen A.L. / The Belt and Road Initiative as a variegated agglomeration of multi-scalar state spatial strategies, 2021, *Territory, Politics, Governance*

Dong C., Li X., Chang X. / Interdependence with suppliers in the innovation ecosystem: the effects of supplier concentration on firm innovation, 2021, *Chinese Management Studies*

- Dong J., Meng W., Liu Y., Ti J. / A framework of pavement management system based on IoT and big data, 2021, *Advanced Engineering Informatics*, vol 47
- Dong J., Wu D., Song J., Lu J. / Gauging the environmental efficiency with ecological compensation in presence of missing data using data envelopment analysis, 2021, *Environment, Development and Sustainability*
- Gosens J., Gilmanova A., Lilliestam J. / Windows of opportunity for catching up in formative clean-tech sectors and the rise of China in concentrated solar power, 2021, *Environmental Innovation and Societal Transitions*, vol 39, pp. 86-106
- Guo X., Lu F., Wei Y. / Capture the contagion network of bitcoin - Evidence from pre and mid COVID-19, 2021, *Research in International Business and Finance*, vol 58
- Jin Z., Guo K. / The Dynamic Relationship between Stock Market and Macroeconomy at Sectoral Level: Evidence from Chinese and US Stock Market, 2021, *Complexity*, vol 2021
- Li Y., Chen Z., Liu X., Qi Y. / Perceiving the facial trustworthiness: Facial age, emotional expression, and attractiveness, 2021, *Quarterly Journal of Experimental Psychology*
- Lindskov A., Sund K.J., Dreyer J.K. / The search for hypercompetition: evidence from a Nordic market study, 2021, *Industry and Innovation*, vol 28, pp. 1099-1128
- Lindskov A. / Hypercompetition: a review and agenda for future research, 2021, *Competitiveness Review*
- Liu F., Kang Y., Guo K., Sun X. / The relationship between air pollution, investor attention and stock prices: Evidence from new energy and polluting sectors, 2021, *Energy Policy*, vol 156
- Peng C., Zhao H., Zhang S. / Determinants and cross-national moderators of wearable health tracker adoption: A meta-analysis, 2021, *Sustainability (Switzerland)*, vol 13
- Qi Y., Luo Y., Feng Y., Chen Z., Li Q., Du F., Liu X. / Trustworthy faces make people more risk-tolerant: The effect of facial trustworthiness on risk decision-making under gain and loss conditions, 2021, *PsyCh Journal*
- Ren X., Lu C. / Effect of children's support on depression among older adults living alone or with a spouse: A comparative analysis between urban and rural areas of China, 2021, *Sustainability (Switzerland)*, vol 13
- Shi Y., Zheng Y., Guo K., Ren X. / Stock movement prediction with sentiment analysis based on deep learning networks, 2021, *Concurrency and Computation: Practice and Experience*, vol 33
- Struwe S., Slepnirov D. / Conflict by design and why institutions matter in service design: A case of a German Creative Agency in China, 2021, *Journal of Business Research*, vol 130, pp. 124-136
- Wang L., Ge S., Yang P. / The Moderating Effect of Holding Shareholders on Corporate Performance in Institute Spin-Offs from the Perspective of Institutional Logics, 2021, *Asian Economic and Financial Review*, vol 11, pp. 908-922
- Wigan D. / Uber global wealth chains, 2021, *Combating Fiscal Fraud and Empowering Regulators: Bringing tax money back into the COFFERS*
- Yao G., Miao J. / Service value co-creation in digital platform business: A case of xianyu idle trading platform, 2021, *Sustainability (Switzerland)*, vol 13
- Zhang L., Gao C., Nakamori Y. / Knowledge spillover driven by institutions: evidence from the big science project in China, 2021, *Journal of Knowledge Management*, vol 25, pp. 48-84
- Zhang Y., Zhao H., Hu Y., Yao G. / Smart community service brand functional value and sustainable brand relationship - the mediating role of customer emotional cognition, 2021, *Sustainability (Switzerland)*, vol 13

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