

2021 年以天津大学为第一单位或通讯单位发表 SCI 论文

作者	论文题目	期刊
Cao, F; Meng, M; Shan, B; Sun, RY	Source apportionment of mercury in surface soils near the Wuda coal fire area in Inner Mongolia, China	CHEMOSPHERE
Chai, Q; Wang, TJ; Di, CL	Evaluating the impacts of environmental factors on soil moisture temporal dynamics at different time scales	JOURNAL OF WATER AND CLIMATE CHANGE
Chen, CJ; Liu, XY; Wang, XW; Hu, CC; Xu, SQ; Mao, R; Bu, ZJ; Fang, YT; Koba, K	Different leaf carbon, nitrogen, and phosphorus stoichiometry and carbon and nitrogen isotopes among peatland plants in northeastern China	PLANT AND SOIL
Chen, CM; Thompson, A	The influence of native soil organic matter and minerals on ferrous iron oxidation	GEOCHIMICA ET COSMOCHIMICA ACTA
Chen, H; Gao, HR; Wang, TJ; Zhang, WC; Chen, X; Nie, N; Liu, HR	Combining sparse observations and reanalysis data for refining spatiotemporal variability in near-surface air temperature lapse rates over China	INTERNATIONAL JOURNAL OF CLIMATOLOGY
Chen, J; Kawamura, K; Hu, W; Liu, CQ; Zhang, Q; Fu, PQ	Terrestrial lipid biomarkers in marine aerosols over the western North Pacific during 1990-1993 and 2006-2009	SCIENCE OF THE TOTAL ENVIRONMENT
Chen, S; Zhong, J; Li, C; Liu, J; Wang, WF; Xu, S; Li, SL	Coupled effects of hydrology and temperature on temporal dynamics of dissolved carbon in the Min River, Tibetan Plateau	JOURNAL OF HYDROLOGY
Chen, SN; Yue, FJ; Liu, XL; Zhong, J; Yi, YB; Wang, WF; Qi, YL; Xiao, HY; Li, SL	Seasonal variation of nitrogen biogeochemical processes constrained by nitrate dual isotopes in cascade reservoirs, Southwestern China	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH
Chen, W; Zheng, QH; Xiang, HB; Chen, X; Sakai, T	Forest Canopy Height Estimation Using Polarimetric Interferometric Synthetic Aperture Radar (PolInSAR) Technology Based on Full-Polarized ALOS/PALSAR Data	REMOTE SENSING
Chen, W; Zou, Y; Dang, YF; Sakai, T	Spatial distribution and dynamic change monitoring of Eucalyptus plantations in China during 1994-2013	TREES-STRUCTURE AND FUNCTION
Chetelat, B; Gaillardet, J; Chen, JB	Dynamic of boron in forest ecosystems traced by its isotopes: A modeling approach	CHEMICAL GEOLOGY
Chi, ZL; Yu, GH	Nanozyme-mediated elemental biogeochemical cycling and environmental effects	SCIENCE CHINA-EARTH SCIENCES
Chi, ZL; Yu, GH; Kappler, A; Liu, CQ; Gadd, GM	Fungal-Mineral Interactions Modulating Intrinsic Peroxidase-like Activity of Iron Nanoparticles: Implications for the Biogeochemical Cycles of Nutrient Elements and Attenuation of Contaminants	ENVIRONMENTAL SCIENCE & TECHNOLOGY

Cui, GY; Wang, BL; Xiao, J; Qiu, XL; Liu, CQ; Li, XD	Water column stability driving the succession of phytoplankton functional groups in karst hydroelectric reservoirs	JOURNAL OF HYDROLOGY
Cui, LF; Hu, Y; Dong, KJ; Xu, S; Liu, CQ; Wu, HB	Be-10/Be-9 constrain of varying weathering rate since 5 Ma: evidence from a Co-rich ferromanganese crust in the western Pacific	SCIENCE BULLETIN
Cui, LF; Yang, Y; Xu, S; Zhao, ZQ; Mao, HR; Zhang, XL; Tu, CL; Zhang, ZJ; Liu, WJ; Liu, CQ	Denudation rates of granitic regolith along climatic gradient in Eastern China	GEOMORPHOLOGY
Dai, YB; Lang, YC; Wang, TJ; Han, XK; Wang, LC; Zhong, J	Modelling the sources and transport of ammonium nitrogen with the SPARROW model: A case study in a karst basin	JOURNAL OF HYDROLOGY
Deng, JJ; Gao, Y; Zhu, JL; Li, LJ; Yu, S; Kawamura, K; Fu, PQ	Molecular markers for fungal spores and biogenic SOA over the Antarctic Peninsula: Field measurements and modeling results	SCIENCE OF THE TOTAL ENVIRONMENT
Fu, ZH; Hu, W; Beare, M; Thomas, S; Carrick, S; Dando, J; Langer, S; Muller, K; Baird, D; Lilburne, L	Land use effects on soil hydraulic properties and the contribution of soil organic carbon	JOURNAL OF HYDROLOGY
Fu, ZH; Hu, W; Beare, MH; Muller, K; Wallace, D; Chau, HW	Contributions of soil organic carbon to soil water repellency persistence: Characterization and modelling	GEODERMA
Gao, M; Chen, X; Wang, JR; Soulsby, C; Cheng, QB	Climate and landscape controls on spatio-temporal patterns of stream water stable isotopes in a large glacierized mountain basin on the Tibetan Plateau	SCIENCE OF THE TOTAL ENVIRONMENT
Han, LF; Liu-Zeng, J; Yao, WQ; Shao, YX; Yuan, ZD; Wang, Y	Coseismic slip gradient at the western terminus of the 1920 Haiyuan Mw 7.9 earthquake	JOURNAL OF STRUCTURAL GEOLOGY
Han, Q; Wang, TJ; Wang, LC; Smettem, K; Mai, M; Chen, X	Comparison of Nighttime With Daytime Evapotranspiration Responses to Environmental Controls Across Temporal Scales Along a Climate Gradient	WATER RESOURCES RESEARCH
Han, XK; Lang, YC; Wang, TJ; Liu, CQ; Li, FL; Wang, FS; Guo, QJ; Li, SL; Liu, MX; Wang, Y; Xu, AZ	Temporal and spatial variations in stable isotopic compositions of precipitation during the typhoon Lekima (2019), China	SCIENCE OF THE TOTAL ENVIRONMENT
Han, XX; Chen, W; Ping, B; Hu, Y	Implementation of an Improved Water Change Tracking (IWCT) Algorithm: Monitoring the Water Changes in Tianjin over 1984-2019 Using Landsat Time-Series Data	REMOTE SENSING
Hao, Q; Yang, SL; Song, ZL; Wang, ZG; Yu, CX; Wang, HL	Vegetation Determines Lake Sediment Carbon Accumulation during Holocene in the Forest-Steppe Ecotone in Northern China	FORESTS
Hu, W; Liu, DD; Su, SH; Ren, LJ; Ren, H; Wei, LF;	Photochemical Degradation of Organic Matter in the Atmosphere	ADVANCED SUSTAINABLE

Yue, SY; Xie, QR; Zhang, ZM; Wang, ZH; Yang, N; Wu, LB; Deng, JJ; Qi, YL; Fu, PQ		SYSTEMS
Huang, H; Song, W; Liu, XY	Significant contributions of combustion-related NH ₃ and non-fossil fuel NO _x to elevation of nitrogen deposition in southwestern China over past five decades	GLOBAL CHANGE BIOLOGY
Huang, S; Hu, W; Chen, J; Wu, ZJ; Zhang, DZ; Fu, PQ	Overview of biological ice nucleating particles in the atmosphere	ENVIRONMENT INTERNATIONAL
Jia, GD; Chabaux, F; Van der Woerd, J; Pelt, E; Roupert, RD; Ackerer, J; Zhao, ZQ; Yang, Y; Xu, S; Liu, CQ	Determination of regolith production rates from U-238-U-234-Th-230 disequilibrium in deep weathering profiles (Longnan, SE China)	CHEMICAL GEOLOGY
Jiang, SS; Chen, X; Smettem, K; Wang, TJ	Climate and land use influences on changing spatiotemporal patterns of mountain vegetation cover in southwest China	ECOLOGICAL INDICATORS
Li, JC; Zhao, L; Zhang, RC; Teng, HH; Padhye, LP; Sun, PZ	Transformation of tetracycline antibiotics with goethite: Mechanism, kinetic modeling and toxicity evaluation	WATER RESEARCH
Li, QK; Li, XD; Yang, Z; Cui, GY; Ding, SY	Diurnal and seasonal variations in water-soluble inorganic ions and nitrate dual isotopes of PM _{2.5} : Implications for source apportionment and formation processes of urban aerosol nitrate	ATMOSPHERIC RESEARCH
Li, SL; Liu, CQ; Chen, JA; Wang, SJ	Karst ecosystem and environment: Characteristics, evolution processes, and sustainable development	AGRICULTURE ECOSYSTEMS & ENVIRONMENT
Li, YJ; Meng, FY; Wang, BL; Yang, ML; Liu, CQ; Xu, S	Regulation of particulate inorganic carbon by phytoplankton in hydropower reservoirs: Evidence from stable carbon isotope analysis	CHEMICAL GEOLOGY
Li, YS; Santosh, M; Zhang, JX; Yu, SY; Peng, YBA	Tracking a continental deep subduction and exhumation from granulitized kyanite eclogites in the South Altyn Tagh, northern Qinghai-Tibet Plateau, China	LITHOS
Liu, MX; Han, XK; Liu, CQ; Guo, LD; Ding, H; Lang, YC	Differences in the spectroscopic characteristics of wetland dissolved organic matter binding with Fe ³⁺ , Cu ²⁺ , Cd ²⁺ , Cr ³⁺ and Zn ²⁺	SCIENCE OF THE TOTAL ENVIRONMENT
Liu, Y; Hu, YC; Hu, YM; Gao, YQ; Liu, ZY	Water quality characteristics and assessment of Yongding New River by improved comprehensive water quality identification index based on game theory	JOURNAL OF ENVIRONMENTAL SCIENCES
Meng, M; Liu, HW; Yu, B; Yin, YG; Hu, LG; Li, YB; Chen, JB; Shi, JB; Jiang, GB	Mercury Inputs Into Eastern China Seas Revealed by Mercury Isotope Variations in Sediment Cores	JOURNAL OF GEOPHYSICAL RESEARCH-OCEANS
Pavuluri, CM; Wang, S; Fu, PQ; Zhao, W; Xu, Z; Liu, CQ	Molecular Distributions of Diacids, Oxoacids, and alpha-Dicarbonyls in Summer- and Winter-Time	JOURNAL OF GEOPHYSICAL

	Fine Aerosols From Tianjin, North China: Emissions From Combustion Sources and Aqueous Phase Secondary Formation	RESEARCH-ATMOSPHERES
Ping, B; Meng, YS; Xue, CJ; Su, FZ	Can the Structure Similarity of Training Patches Affect the Sea Surface Temperature Deep Learning Super-Resolution?	REMOTE SENSING
Ping, B; Su, FZ; Han, XX; Meng, YS	Applications of Deep Learning-Based Super-Resolution for Sea Surface Temperature Reconstruction	IEEE JOURNAL OF SELECTED TOPICS IN APPLIED EARTH OBSERVATIONS AND REMOTE SENSING
Pourmorad, S; Jokar, A; Jahan, S	Determination of Key Beds from the Cap Rocks of Oil Reservoirs Using a Novel Method, Case Study: The Gachsaran Formation, Southwest Iran	LITHOLOGY AND MINERAL RESOURCES
Ren, H; Hu, W; Wei, LF; Yue, SY; Zhao, J; Li, LJ; Wu, LB; Zhao, WY; Ren, LJ; Kang, MJ; Xie, QR; Su, SH; Pan, XL; Wang, ZF; Sun, YL; Kawamura, K; Fu, PQ	Measurement report: Vertical distribution of biogenic and anthropogenic secondary organic aerosols in the urban boundary layer over Beijing during late summer	ATMOSPHERIC CHEMISTRY AND PHYSICS
Shao, YX; Jing, LZ; Van der Woerd, J; Klinger, Y; Oskin, ME; Zhang, JY; Peng, W; Wang, PT; Wei, W; Yao, WQ	Late Pleistocene slip rate of the central Haiyuan fault constrained from optically stimulated luminescence, C-14, and cosmogenic isotope dating and high-resolution topography	GEOLOGICAL SOCIETY OF AMERICA BULLETIN
Singh, DK; Kawamura, K; Fu, PQ; Kasukabe, H; Yanase, A; Barrie, LA	Photochemical Processing of Inorganic and Organic Species in the Canadian High Arctic Aerosols: Impact of Ammonium Cation, Transition Metals, and Dicarboxylic Acids before and after Polar Sunrise at Alert	ACS EARTH AND SPACE CHEMISTRY
Song, W; Liu, XY; Hu, CC; Chen, GY; Liu, XJ; Walters, WW; Michalski, G; Liu, CQ	Important contributions of non-fossil fuel nitrogen oxides emissions	NATURE COMMUNICATIONS
Song, W; Liu, XY; Liu, CQ	New Constraints on Isotopic Effects and Major Sources of Nitrate in Atmospheric Particulates by Combining delta N-15 and Delta O-17 Signatures	JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES
Song, YL; Zhang, X; Bouchez, J; Chetelat, B; Gaillardet, J; Chen, JB; Zhang, T; Cai, HM; Yuan, W; Wang, ZW	Deciphering the signatures of weathering and erosion processes and the effects of river management on Li isotopes in the subtropical Pearl River basin	GEOCHIMICA ET COSMOCHIMICA ACTA
Su, SH; Xie, QR; Lang, YC; Cao, D; Xu, YS; Chen, J; Chen, S; Hu, W; Qi, YL; Pan, XL; Sun, YL; Wang, ZF; Liu, CQ; Jiang, GB; Fu, PQ	High Molecular Diversity of Organic Nitrogen in Urban Snow in North China	ENVIRONMENTAL SCIENCE & TECHNOLOGY

Sun, QQ; Yue, FJ; Chen, JA; Wang, JF; Li, YL; Li, XZ; Bhat, MA; Liu, J; Li, SL	Nitrogen and Phosphorus Diffusion Fluxes: Insight from High-Resolution Technology and Hydrodynamic Modeling	WATER
Sun, SB; Che, T; Gentine, P; Chen, QT; Wang, LC; Yan, ZF; Chen, BZ; Song, ZL	Shallow groundwater inhibits soil respiration and favors carbon uptake in a wet alpine meadow ecosystem	AGRICULTURAL AND FOREST METEOROLOGY
Sun, SB; Du, WL; Song, ZL; Zhang, DB; Wu, XC; Chen, BZ; Wu, YT	Response of Gross Primary Productivity to Drought Time-Scales Across China	JOURNAL OF GEOPHYSICAL RESEARCH-BIOGEOSCIENCES
Sun, SB; Wang, YF; Song, ZL; Chen, C; Zhang, YG; Chen, X; Chen, W; Yuan, WP; Wu, XC; Ran, XB; Wang, YD; Li, Q; Wu, LL	Modelling Aboveground Biomass Carbon Stock of the Bohai Rim Coastal Wetlands by Integrating Remote Sensing, Terrain, and Climate Data	REMOTE SENSING
Sun, XC; Zhang, Z; Cao, YH; Liu, L; Hu, FL; Lu, XQ	Canopy modification of base cations deposition in a subtropical broadleaved forest: Spatial characteristics, canopy budgets and acid neutralizing capacity	FOREST ECOLOGY AND MANAGEMENT
Wang, BL; Liu, N; Yang, ML; Wang, LJ; Liang, X; Liu, CQ	Co-occurrence of planktonic bacteria and archaea affects their biogeographic patterns in China's coastal wetlands	ENVIRONMENTAL MICROBIOME
Wang, JR; Chen, X; Liu, JT; Hu, Q	Changes of Precipitation-Runoff Relationship Induced by Climate Variation in a Large Glaciated Basin of the Tibetan Plateau	JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES
Wang, WF; Li, SL; Zhong, J; Wang, LC; Yang, H; Xiao, HY; Liu, CQ	CO ₂ emissions from karst cascade hydropower reservoirs: mechanisms and reservoir effect	ENVIRONMENTAL RESEARCH LETTERS
Wang, ZH; Hu, W; Niu, HY; Hu, WW; Wu, YS; Wu, LB; Ren, LJ; Deng, JJ; Guo, S; Wu, ZJ; Zhang, DZ; Fu, PQ; Hu, M	Variations in physicochemical properties of airborne particles during a heavy haze-to-dust episode in Beijing	SCIENCE OF THE TOTAL ENVIRONMENT
Wen, H; Brantley, SL; Davis, KJ; Duncan, JM; Li, L	The Limits of Homogenization: What Hydrological Dynamics can a Simple Model Represent at the Catchment Scale?	WATER RESOURCES RESEARCH
Wu, DD; Di, CL; Wang, TJ; Wang, LC; Chen, X	Characterization of the Coherence Between Soil Moisture and Precipitation at Regional Scales	JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES
Wu, LB; Yue, SY; Shi, ZB; Hu, W; Chen, J; Ren, H; Deng, JJ; Ren, LJ; Fang, YT; Yan, H; Li, WJ; Harrison, RM; Fu, PQ	Source forensics of inorganic and organic nitrogen using delta N-15 for tropospheric aerosols over Mt. Tai	NPJ CLIMATE AND ATMOSPHERIC SCIENCE
Xia, SP; Song, ZL; Li, Q; Guo, LD; Yu, CX; Singh, BP;	Distribution, sources, and decomposition of soil organic matter along a salinity gradient in	GLOBAL CHANGE BIOLOGY

Fu, XL; Chen, CM; Wang, YD; Wang, HL	estuarine wetlands characterized by C:N ratio, delta C-13-delta N-15, and lignin biomarker	
Xia, SP; Song, ZL; Wang, YD; Wang, WQ; Fu, XL; Singh, BP; Kuzyakov, Y; Wang, HL	Soil organic matter turnover depending on land use change: Coupling C/N ratios, delta C-13, and lignin biomarkers	LAND DEGRADATION & DEVELOPMENT
Xia, SP; Wang, WQ; Song, ZL; Kuzyakov, Y; Guo, LD; Van Zwieten, L; Li, Q; Hartley, IP; Yang, YH; Wang, YD; Quine, TA; Liu, CQ; Wang, HL	Spartina alterniflora invasion controls organic carbon stocks in coastal marsh and mangrove soils across tropics and subtropics	GLOBAL CHANGE BIOLOGY
Xiao, J; Wang, BL; Qiu, XL; Yang, ML; Liu, CQ	Interaction between carbon cycling and phytoplankton community succession in hydropower reservoirs: Evidence from stable carbon isotope analysis	SCIENCE OF THE TOTAL ENVIRONMENT
Xie, QR; Su, SH; Chen, J; Dai, YQ; Yue, SY; Su, H; Tong, HJ; Zhao, WY; Ren, LJ; Xu, YS; Cao, D; Li, Y; Sun, YL; Wang, ZF; Liu, CQ; Kawamura, K; Jiang, GB; Cheng, YF; Fu, PQ	Increase of nitrooxy organosulfates in firework-related urban aerosols during Chinese New Year's Eve	ATMOSPHERIC CHEMISTRY AND PHYSICS
Xu, S; Guan, LF; Zhang, ML; Zhong, J; Liu, W; Xie, XG; Liu, CQ; Takahata, N; Sano, YJ	Degassing of deep-sourced CO ₂ from Xianshuihe-Anninghe fault zones in the eastern Tibetan Plateau	SCIENCE CHINA-EARTH SCIENCES
Xu, S; Li, SL; Su, J; Yue, FJ; Zhong, J; Chen, S	Oxidation of pyrite and reducing nitrogen fertilizer enhanced the carbon cycle by driving terrestrial chemical weathering	SCIENCE OF THE TOTAL ENVIRONMENT
Xu, S; Li, SL; Yue, FJ; Udeshani, C; Chandrajith, R	Natural and Anthropogenic Controls of Groundwater Quality in Sri Lanka: Implications for Chronic Kidney Disease of Unknown Etiology (CKDu)	WATER
Xu, S; Yue, FJ; Li, SL; Ding, H; Xu, S; Lang, YC; Liu, CQ	Carbon and nitrogen isotope constraints on source and variation of particulate organic matter in high-latitude agricultural rivers, Northeast China	JOURNAL OF CLEANER PRODUCTION
Xu, SY; Huang, H; Song, W; Liu, XY	Lichen nitrogen concentrations and isotopes for indicating nitrogen deposition levels and source changes	SCIENCE OF THE TOTAL ENVIRONMENT
Yang, XM; Song, ZL; Van Zwieten, L; Sun, XL; Yu, CX; Wang, WQ; Liu, CQ; Wang, HL	Spatial distribution of plant-available silicon and its controlling factors in paddy fields of China	GEODERMA
Yang, XM; Yuan, J; Yue, FJ; Li, SL; Wang, BL; Mohinuzzaman, M; Liu, YJ;	New insights into mechanisms of sunlight- and dark-mediated high-temperature accelerated diurnal production-degradation of fluorescent	SCIENCE OF THE TOTAL ENVIRONMENT

Senesi, N; Lao, XY; Li, LL; Liu, CQ; Ellam, RM; Vione, D; Mostofa, KMG	DOM in lake waters	
Yang, Y; Cui, LF; Xu, S; Liu, CQ; Fabel, D	Topographic Relief Response to Fluvial Incision in the Central Tibetan Plateau: Evidence From Cosmogenic Be-10	JOURNAL OF GEOPHYSICAL RESEARCH-EARTH SURFACE
Yang, Y; Liu, Y; Ma, Y; Xu, S; Liu, CQ; Wang, SJ; Stuart, FM; Fabel, D	In situ cosmogenic Be-10, Al-26, and Ne-21 dating in sediments from the Guizhou Plateau, southwest China	SCIENCE CHINA-EARTH SCIENCES
Yang, YW; Sun, PZ; Padhye, LP; Zhang, RC	Photo-ammonification in surface water samples: Mechanism and influencing factors	SCIENCE OF THE TOTAL ENVIRONMENT
Yi, YB; Zhong, J; Bao, HY; Mostofa, KMG; Xu, S; Xiao, HY; Li, SL	The impacts of reservoirs on the sources and transport of riverine organic carbon in the karst area: A multi-tracer study	WATER RESEARCH
Yu, GH; Kuzyakov, Y	Fenton chemistry and reactive oxygen species in soil: Abiotic mechanisms of biotic processes, controls and consequences for carbon and nutrient cycling	EARTH-SCIENCE REVIEWS
Yuan, JJ; Sun, RY; Wang, RW; Fu, B; Meng, M; Zheng, W; Chen, JB	Denitrification devices in urban boilers change mercury isotope fractionation signatures of coal combustion products	ENVIRONMENTAL POLLUTION
Yuan, W; Chen, JB; Teng, H; Chetelat, B; Cai, HM; Liu, JC; Wang, ZC; Bouchez, J; Moynier, F; Gaillardet, J; Schott, J; Liu, CQ	A Review on the Elemental and Isotopic Geochemistry of Gallium	GLOBAL BIOGEOCHEMICAL CYCLES
Zhang, CH; Guo, HR; Huang, H; Ma, TY; Song, W; Chen, CJ; Liu, XY	Atmospheric nitrogen deposition and its responses to anthropogenic emissions in a global hotspot region	ATMOSPHERIC RESEARCH
Zhang, JC; Su, J; Ma, C; Hu, XY; Teng, HH	Periphytic Microbial Response to Environmental Phosphate (P) Bioavailability and Its Relevance to P Management in Paddy Fields	APPLIED AND ENVIRONMENTAL MICROBIOLOGY
Zhang, JW; Yan, YN; Zhao, ZQ; Li, XD; Guo, JY; Ding, H; Cui, LF; Meng, JL; Liu, CQ	Spatial and seasonal variations of dissolved arsenic in the Yarlung Tsangpo River, southern Tibetan Plateau	SCIENCE OF THE TOTAL ENVIRONMENT
Zhang, JW; Zhao, ZQ; Li, XD; Yan, YN; Lang, YC; Ding, H; Cui, LF; Meng, JL; Liu, CQ	Extremely enrichment of Li-7 in highly weathered saprolites developed on granite from Huizhou, southern China	APPLIED GEOCHEMISTRY
Zhang, JW; Zhao, ZQ; Yan, YN; Cui, LF; Wang, QL; Meng, JL; Li, XD; Liu, CQ	Lithium and its isotopes behavior during incipient weathering of granite in the eastern Tibetan Plateau, China	CHEMICAL GEOLOGY
Zhang, ML; Guo, ZF; Xu, S; Barry, PH; Sano, YJ; Zhang, LH; Halldorsson, SA; Chen,	Linking deeply-sourced volatile emissions to plateau growth dynamics in southeastern Tibetan Plateau	NATURE COMMUNICATIONS

AT; Cheng, ZH; Liu, CQ; Li, SL; Lang, YC; Zheng, GD; Li, ZP; Li, LW; Li, Y		
Zhang, ML; Xu, S; Zhou, XC; Caracausi, A; Sano, Y; Guo, ZF; Zheng, GD; Lang, YC; Liu, CQ	Deciphering a mantle degassing transect related with India-Asia continental convergence from the perspective of volatile origin and outgassing	GEOCHIMICA ET COSMOCHIMICA ACTA
Zhang, ML; Zhang, LH; Zhao, WB; Guo, ZF; Xu, S; Sano, YJ; Lang, YC; Liu, CQ; Li, Y	Metamorphic CO ₂ emissions from the southern Yadong-Gulu rift, Tibetan Plateau: Insights into deep carbon cycle in the India-Asia continental collision zone	CHEMICAL GEOLOGY
Zhang, RC; Qi, YL; Ma, C; Ge, JF; Hu, QZ; Yue, FJ; Li, SL; Volmer, DA	Characterization of Lignin Compounds at the Molecular Level: Mass Spectrometry Analysis and Raw Data Processing	MOLECULES
Zhang, S; Xu, H; Lan, JH; Goldsmith, Y; Torfstein, A; Zhang, GL; Zhang, J; Song, YP; Zhou, KE; Tan, LC; Xu, S; Xu, XM; Enzel, Y	Dust storms in northern China during the last 500 years	SCIENCE CHINA-EARTH SCIENCES
Zhang, XC; Ding, SY; Lv, H; Cui, GY; Yang, MD; Wang, YY; Guan, TH; Li, XD	Microbial controls on heavy metals and nutrients simultaneous release in a seasonally stratified reservoir	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH
Zhang, XL; Cui, LF; Xu, S; Liu, CQ; Zhao, ZQ; Zhang, ML; Jing, LZ	Assessing non-steady-state erosion processes using paired Be-10-Al-26 in southeastern Tibet	EARTH SURFACE PROCESSES AND LANDFORMS
Zhang, YT; Zhang, RC; Li, SL; Mostofa, KM; Fu, XL; Ji, HD; Liu, W; Sun, PZ	Photo-ammonification of low molecular weight dissolved organic nitrogen by direct and indirect photolysis	SCIENCE OF THE TOTAL ENVIRONMENT
Zhang, ZM; Zhao, WY; Hu, W; Deng, JJ; Ren, LJ; Wu, LB; Chen, S; Meng, JJ; Pavuluri, CM; Sun, YL; Wang, ZF; Kawamura, K; Fu, PQ	Molecular characterization and spatial distribution of dicarboxylic acids and related compounds in fresh snow in China	ENVIRONMENTAL POLLUTION
Zheng, QH; Chen, W; Li, SL; Yu, L; Zhang, X; Liu, LF; Singh, RP; Liu, CQ	Accuracy comparison and driving factor analysis of LULC changes using multi-source time-series remote sensing data in a coastal area	ECOLOGICAL INFORMATICS
Zhong, J; Li, SL; Zhu, XT; Liu, J; Xu, S; Xu, S; Liu, CQ	Dynamics and fluxes of dissolved carbon under short-term climate variabilities in headwaters of the Changjiang River, draining the Qinghai-Tibet Plateau	JOURNAL OF HYDROLOGY
Zhong, J; Wallin, MB; Wang, WF; Li, SL; Guo, LD; Dong, KJ; Ellam, RM; Liu, CQ; Xu, S	Synchronous evaporation and aquatic primary production in tropical river networks	WATER RESEARCH
Zhou, S; Wang, YB; Teng, HY	Relative Contributions of Mg Hydration and Molecular Structural Restraints to the Barrier of	MINERALS

	Dolomite Crystallization: A Comparison of Aqueous and Non-Aqueous Crystallization in (BaMg)CO ₃ and (CaMg)CO ₃ Systems	
Cao, YH; Sun, XC; Shi, Y; Lu, CY; Miao, Y; Chen, ZJ; Han, SJ	Quantitative evidence of underestimated nitrogen rhizodeposition using N-15 split-root labeling during spring wheat developmental period	CATENA
Chen, S; Zhong, J; Li, SL; Ran, LS; Wang, WF; Xu, S; Yan, ZL; Xu, S	Multiple controls on carbon dynamics in mixed karst and non-karst mountainous rivers, Southwest China, revealed by carbon isotopes (δ C-13 and Δ C-14)	SCIENCE OF THE TOTAL ENVIRONMENT
Chen, X; Chen, W; Bai, YB; Wen, XL	Changes in turbidity and human activities along Haihe River Basin during lockdown of COVID-19 using satellite data	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH
Chi, ZL; Zhao, XY; Chen, YL; Hao, JL; Yu, GH; Goodman, BA; Gadd, GM	Intrinsic enzyme-like activity of magnetite particles is enhanced by cultivation with <i>Trichoderma guizhouense</i>	ENVIRONMENTAL MICROBIOLOGY
Duan, J; Chen, Y; Wang, WL; Li, J; Zhang, XP; Lu, GX; Che, YF; Zhong, SJ; Ma, SP; Li, P; An, JL; Fu, PQ	Cable-car measurements of vertical aerosol profiles impacted by mountain-valley breezes in Lushan Mountain, East China	SCIENCE OF THE TOTAL ENVIRONMENT
Fu, B; Sun, RY; Yao, H; Hower, JC; Yuan, JJ; Luo, GQ; Hu, HY; Mardon, SM; Tang, Q	Mercury stable isotope fractionation during gaseous elemental mercury adsorption onto coal fly ash particles: Experimental and field observations	JOURNAL OF HAZARDOUS MATERIALS
Han, ZL; Xiao, M; Yue, FJ; Yi, YB; Mostofa, KMG	Seasonal Variations of Dissolved Organic Matter by Fluorescent Analysis in a Typical River Catchment in Northern China	WATER
Hou, YM; Liu, XL; Chen, SA; Ren, J; Bai, L; Li, J; Gu, YB; Wei, L	Effects of Seasonal Thermal Stratification on Nitrogen Transformation and Diffusion at the Sediment-Water Interface in a Deep Canyon Artificial Reservoir of Wujiang River Basin	WATER
Jin, C; Geng, ZL; Liu, X; Ampah, JD; Ji, J; Wang, G; Niu, K; Hu, N; Liu, HF	Effects of water content on the solubility between Isopropanol-Butanol-Ethanol (IBE) and diesel fuel under various ambient temperatures	FUEL
Liu, J; Wu, DY; Xu, XY; Ji, MX; Chen, QL; Wang, X	Projection of extreme precipitation induced by Arctic amplification over the Northern Hemisphere	ENVIRONMENTAL RESEARCH LETTERS
Liu, J; Zhong, J; Chen, S; Xu, S; Li, SL	Hydrological and biogeochemical controls on temporal variations of dissolved carbon and solutes in a karst river, South China	ENVIRONMENTAL SCIENCES EUROPE
Ma, J; Ma, YL; Wei, RF; Chen, YL; Weng, LP; Ouyang, XX; Li, YT	Phosphorus transport in different soil types and the contribution of control factors to phosphorus retardation	CHEMOSPHERE
Moynier, F; Jackson, MG; Zhang, K; Cai, HM; Halldorsson, SA; Pik, R; Day, JMD; Chen, JB	The Mercury Isotopic Composition of Earth's Mantle and the Use of Mass Independently Fractionated Hg to Test for Recycled Crust	GEOPHYSICAL RESEARCH LETTERS

Ouyang, XX; Ma, J; Li, P; Chen, YL; Weng, LP; Li, YT	Comparison of the effects of large-grained and nano-sized biochar, ferrihydrite, and complexes thereof on Cd and As in a contaminated soil-plant system	CHEMOSPHERE
Pu, W; Shi, TL; Cui, JC; Chen, Y; Zhou, Y; Wang, X	Enhancement of snow albedo reduction and radiative forcing due to coated black carbon in snow	CRYOSPHERE
Qin, ZL; Yang, XM; Song, ZL; Peng, B; Van Zwieten, L; Yu, CX; Wu, SC; Mohammad, M; Wang, HL	Vertical distributions of organic carbon fractions under paddy and forest soils derived from black shales: Implications for potential of long-term carbon storage	CATENA
Qiu, Y; Gai, PX; Yue, FE; Zhang, YY; He, PZ; Kang, H; Yu, XW; Lam, PKS; Chen, JB; Xie, ZQ	Identification of potential sources of elevated PM _{2.5} -Hg using mercury isotopes during haze events	ATMOSPHERIC ENVIRONMENT
Qiu, Y; Gai, PX; Yue, FG; Zhang, YY; He, PZ; Kang, H; Yu, XW; Lam, PKS; Chen, JB; Xie, ZQ	Stable Mercury Isotopes Revealing Photochemical Processes in the Marine Boundary Layer	JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES
Schneider, L; Rose, NL; Myllyvirta, L; Haberle, S; Lintern, A; Yuan, JJ; Sinclair, D; Holley, C; Zawadzki, A; Sun, RY	Mercury atmospheric emission, deposition and isotopic fingerprinting from major coal-fired power plants in Australia: Insights from palaeo-environmental analysis from sediment cores	ENVIRONMENTAL POLLUTION
Shen, J; Chen, JB; Algeo, TJ; Feng, QL; Yu, JX; Xu, YG; Xu, GZ; Lei, Y; Planavsky, NJ; Xie, SC	Mercury fluxes record regional volcanism in the South China craton prior to the end-Permian mass extinction	GEOLOGY
Shi, TL; Cui, JC; Chen, Y; Zhou, Y; Pu, W; Xu, XY; Chen, QL; Zhang, XL; Wang, X	Enhanced light absorption and reduced snow albedo due to internally mixed mineral dust in grains of snow	ATMOSPHERIC CHEMISTRY AND PHYSICS
Sial, AN; Chen, JB; Korte, C; Pandit, MK; Spangenberg, JE; Silva-Tamayo, JC; de Lacerda, LD; Ferreira, VP; Barbosa, JN; Gaucher, C; Pereira, NS; Riedel, PR	Hg Isotopes and Enhanced Hg Concentration in the Meishan and Guryul Ravine Successions: Proxies for Volcanism Across the Permian-Triassic Boundary	FRONTIERS IN EARTH SCIENCE
Sun, YM; Chen, X; Chen, X; Yang, L	Modeling Groundwater-Fed Irrigation and Its Impact on Streamflow and Groundwater Depth in an Agricultural Area of Huaihe River Basin, China	WATER
Tan, HB; Chen, X; Shi, DP; Rao, WB; Liu, J; Liu, JT; Eastoe, CJ; Wang, JR	Base flow in the Yarlungzangbo River, Tibet, maintained by the isotopically-depleted precipitation and groundwater discharge	SCIENCE OF THE TOTAL ENVIRONMENT
Tan, LC; Xu, H	Editorial: Holocene Climate Changes in the Asia-Pacific Region	FRONTIERS IN EARTH SCIENCE
Tao, M; Chen, X; Cheng, QB; Binley, A	Evaluating the joint use of GPR and ERT on mapping shallow subsurface features of karst	VADOSE ZONE JOURNAL

	critical zone in southwest China	
Wang, LJ; Wang, YQ; Li, WY; Spate, M; Reheman, K; Sun, QL; Wang, BH; Xu, H; Zhang, ZY; Zhang, GL; Jiang, HE	Inner Asian agro-pastoralism as optimal adaptation strategy of Wupu inhabitants (3000-2400 cal BP) in Xinjiang, China	HOLOCENE
Wang, YD; Xue, DM; Hu, N; Lou, YL; Zhang, QZ; Zhang, LM; Zhu, P; Gao, HJ; Zhang, SQ; Zhang, HM; Li, DC; Song, ZL; Kurganova, I; Kuzyakov, Y; Wang, ZL	Post-agricultural restoration of soil organic carbon pools across a climate gradient	CATENA
Wei, W; Godard, V; Jing, LZ; Zhang, JY; Li, ZG; Sheng, X; Yao, WQ; Yuan, ZD; Aumaitre, G; Bourles, DL; Keddadouche, K	Tectonic Controls on Surface Erosion Rates in the Longmen Shan, Eastern Tibet	TECTONICS
Wen, H; Zhou, Y; Xu, XY; Wang, TS; Chen, QL; Chen, QC; Li, WJ; Wang, Z; Huang, ZW; Zhou, T; Shi, JS; Bi, JR; Ji, MX; Wang, X	Water-soluble brown carbon in atmospheric aerosols along the transport pathway of Asian dust: Optical properties, chemical compositions, and potential sources	SCIENCE OF THE TOTAL ENVIRONMENT
Wu, YJ; Chen, CJ; Li, JZ; Wang, GA	Effects of arbuscular mycorrhizal fungi on maize nitrogen uptake strategy under different soil water conditions	PLANT AND SOIL
Xie, QR; Su, SH; Chen, S; Zhang, Q; Yue, SY; Zhao, WY; Du, HY; Ren, H; Wei, LF; Cao, D; Xu, YS; Sun, YL; Wang, ZF; Fu, PQ	Molecular characterization of size-segregated organic aerosols in the urban boundary layer in wintertime Beijing by FT-ICR MS	FARADAY DISCUSSIONS
Yang, J; Liu, W; Han, ZZ; Zeng, ZX; Wan, L; Mohammed, AS	Petrogenesis of Silurian ultramafic-mafic plutons in southern Jiangxi: implications for the Wuyi-Yunkai orogen, South China	GEOLOGICAL MAGAZINE
Yu, CX; Xie, SR; Song, ZL; Xia, SP; Astrom, ME	Biogeochemical cycling of iron (hydr-)oxides and its impact on organic carbon turnover in coastal wetlands: A global synthesis and perspective	EARTH-SCIENCE REVIEWS
Yu, CX; Xie, SR; Song, ZL; Xia, SP; Astrom, ME	Reply to comments by Thilo Rennert on Biogeochemical cycling of iron (hydr-)oxides and its impact on organic carbon turnover in coastal wetlands: A global synthesis and perspective. Earth-Science Reviews (2021) 103658 Reply	EARTH-SCIENCE REVIEWS
Yu, GH; Kuzyakov, Y; Luo, Y; Goodman, BA; Kappler, A; Liu, FF; Sun, FS	Molybdenum Bioavailability and Asymbiotic Nitrogen Fixation in Soils are Raised by Iron (Oxyhydr)oxide-Mediated Free Radical Production	ENVIRONMENTAL SCIENCE & TECHNOLOGY
Yuan, ZD; Liu-Zeng, J; Li, X; Xu, J; Yao, WQ; Han, LF; Li, T	Detailed mapping of the surface rupture of the 12 February 2014 Yutian M(s)7.3 earthquake, Altyn Tagh fault, Xinjiang, China	SCIENCE CHINA-EARTH SCIENCES
Zeng, X; Kong, SF; Zhang, Q; Ren, H; Liu, JH; Feng,	Source profiles and emission factors of organic and inorganic species in fine particles emitted	SCIENCE OF THE TOTAL

YK; Yan, Q; Qin, S; Zheng, SR; Yao, LQ; Fan, ZW; Zhang, Y; Liu, X; Yan, YY; Zhu, KG; Ding, F; Liu, W; Liu, DT; Qi, SH; Fu, PQ	from the ultra-low emission power plant and typical industries	ENVIRONMENT
Zhang, JY; Yang, HL; Jing, LZ; Ge, YK; Wang, W; Yao, WQ; Xu, S	Reconstructing the incision of the Lancang River (Upper Mekong) in southeastern Tibet below its prominent knickzone using fluvial terraces and transient tributary profiles	GEOMORPHOLOGY
Zhang, P; Yue, FJ; Wang, XD; Chen, SN; Li, XZ; Liu, TZ; Yang, C	Antecedent rainfall and land use controlling the fate of nitrogen in karst urban rivers, elucidated by an isotopic approach	JOURNAL OF HYDROLOGY
Zhang, ZC; Chen, X; Cheng, QB; Soulsby, C	Using StorAge Selection (SAS) functions to understand flow paths and age distributions in contrasting karst groundwater systems	JOURNAL OF HYDROLOGY
Zhang, ZJ; Mao, HR; Zhao, ZQ; Cui, LF; Wang, SL; Liu, CQ	Sulfur dynamics in forest soil profiles developed on granite under contrasting climate conditions	SCIENCE OF THE TOTAL ENVIRONMENT
Zheng, LZ; Wang, LC; Wang, TJ; Singh, K; Zhou, JQ; Shuai, P; Wang, ZL; Chen, X	Characterizing shear-thinning fluids transitioning from rheology- to inertia-dominated flow regimes in porous media	JOURNAL OF HYDROLOGY
Zhou, B; Fu, XJ; Wu, B; He, J; Vogt, RD; Yu, D; Yue, FJ; Chai, M	Phosphorus Release from Sediments in a Raw Water Reservoir with Reduced Allochthonous Input	WATER
Zhou, Y; West, CP; Hettiyadura, APS; Niu, XY; Wen, H; Cui, JC; Shi, TL; Pu, W; Wang, X; Laskin, A	Measurement report: Molecular composition, optical properties, and radiative effects of water-soluble organic carbon in snowpack samples from northern Xinjiang, China	ATMOSPHERIC CHEMISTRY AND PHYSICS