2022年以表生实验室为第一单位或通讯单位发表的SCI论文

作者	题目	期刊	卷/期	DOI
Wu, Xiaoli; Gao, Bin; Lyu, Xueyan; Zeng, Xiankui; Wu, Jichun; Sun, Yuanyuan	Insight into the mechanism of phosphate and cadmium co-transport in natural soils	Journal of Hazardous Materials	435	https//doi.org/10.1016/j.jhazmat.2022.129095
Zhang, Hanshuo; Hu, Xin; Li, Tianxiao; Zhang, Yuxuan; Xu, Hongxia; Sun, Yuanyuan; Gu, Xueyuan; Gu, Cheng; Luo, Jun; Gao, Bin	MIL series of metal organic frameworks (MOFs) as novel adsorbents for heavy metals in water: A review	Journal of Hazardous Materials	429	https//doi.org/10.1016/j.jhazmat.2022.128271
Yin, Ziyue; Wu, Jianfeng; Song, Jian; Yang, Yun; Zhu, Xiaobin; Wu, Jichun	Multi-objective optimization-based reactive nitrogen transport modeling for the water-environment-agriculture nexus in a basin-scale coastal aquifer	Water Research	212	https//doi.org/10.1016/j.watres.2022.118111
Wang, Zhenchen; Yang, Yun; Wu, Jianfeng; Sun, Xiaomin; Lin, Jin; Wu, Jichun	Multi-objective optimization of the coastal groundwater abstraction for striking the balance among conflicts of resource-environment-economy in Longkou City, China	Water Research	211	https//doi.org/10.1016/j.watres.2022.118045
Ren, Jingli; Liu, Yutong; Cao, Weimin; Zhang, Liyang; Xu, Fen; Liu, Juan; Wen, Yubo; Xiao, Jian; Wang, Lei; Zhuo, Xiaoxiong; Ji, Junfeng; Liu, Yuanyuan	A process-based model for describing redox kinetics of Cr(VI) in natural sediments containing variable reactive Fe(II) species	Water Research	225	https//doi.org/10.1016/j.watres.2022.119126
Li, Xiaohui; Zhang, Yuanyuan; Xu, Hongxia; Sun, Yuanyuan; Gao, Bin; Wu, Jichun	Granular limestone amended sand filters for enhanced removal of nanoplastics from water: Performance and mechanisms	Water Research	229	https//doi.org/10.1016/j.watres.2022.119443
Li,Shilei; Goldstein, Steven L.; Raymo, Maureen E.	Reply to von Blanckenburg et al.: We provide a solution to the Neogene beryllium conundrum	Proceedings of the National Academy of Sciences of the United States of America	119（35）	https//doi.org/10.1073/pnas.2208945119
Gou, Wenxian; Li, Wei; Siebecker, Matthew G.; Zhu, Mengqiang; Li, Ling; Sparks, Donald L.	Coupling Molecular-Scale Spectroscopy with Stable Isotope Analyses to Investigate the Effect of Si on the Mechanisms of Zn-Al LDH Formation on Al Oxide	Environmental Science & Technology	56（19）	https//doi.org/10.1021/acs.est.2c05140

Xiong, Guiyao; Chen, Guangquan; Wu, Jichun; Wang, Zhenyan; Yu, Hongjun; Fu, Tengfei; Liu, Wenquan; Xu, Xingyong; Hou, Guohua; Yang, Yun; Zhu, Xiaobin	Identifying the characteristics and potential risk of seawater intrusion for southern China by the SBM-DEA model	Science of the Total Environment	844	https//doi.org/10.1016/j.scitotenv.2022.157205
Li, Tianxiao; Xu, Hongxia; Zhang, Yuxuan; Zhang, Hanshuo; Hu, Xin; Sun, Yuanyuan; Gu, Xueyuan; Luo, Jun; Zhou, Dongmei; Bin Gao	Treatment technologies for selenium contaminated water: A critical review	Environmental Pollution	299	https//doi.org/10.1016/j.envpol.2022.118858
Wu, Weihua; Qu, Shuyi; Nel, Werner; Ji, Junfeng	Tracing and quantifying the sources of heavy metals in the upper and middle reaches of the Pearl River Basin: New insights from Sr-Nd-Pb multi-isotopic systems	Chemosphere	288（3）	https//doi.org/10.1016/j.chemosphere.2021.132630
Ren, Chao; Wang, Hongtao; Ji, Junfeng; Li, Wei	Molecular scale assessment of defluoridation of coal-mining wastewater by calcined Mg/Al layered double hydroxide using ^{19}F solid-state NMR, XPS, and HRTEM	Chemosphere	303（2）	https//doi.org/10.1016/j.chemosphere.2022.135072
Gou, Wenxian; Mo, Xinxin; Ren, Chao; Wang, Hongtao; Li, Wei	Formation of crystalline multimetallic layered double hydroxide precipitates during uptake of Co, Ni, and Zn onto? -alumina: Evidence from EXAFS, XRD, and TEM	Chemosphere	307（4）	https//doi.org/0.1016/j.chemosphere.2022.136055
Wang, Jingzhao; Ren, Chao; Wang, Hongtao; Li, Wei	Mechanisms of fluoride uptake by surface-modified calcite: A 19F solid-state NMR and TEM study	Chemosphere	294	https//doi.org/10.1016/j.chemosphere.2022.133729
Ganesan, Sunantha; Limphattharachai, Supanun; Chawengkijwanich, Chamorn; Liu, Yuanyuan; Janjaroen, Dao	Influence of salinity on biofilm formation and COD removal efficiency in anaerobic moving bed biofilm reactors	Chemosphere	304	https//doi.org/10.1016/j.chemosphere.2022.135229

Xiao, Jian; Chen, Wei; Wang, Lei; Zhang, Xiaoke; Wen, Yubo; Bostick, Benjamin C.; Wen, Yongli; He, Xinhua; Zhang, Liyang; Zhuo, Xiaoxiong; Huang, Kun; Wang, Ningtao; Ji, Junfeng; Liu, Yuanyuan	New strategy for exploring the accumulation of heavy metals in soils derived from different parent materials in the karst region of southwestern China	Geoderma	417	https//doi.org/10.1016/j.geoderma.2022.115806
Yang, Ping; Ye, Shujun; Wu, Jianfeng; Wu, Jichun	Process-based pore-scale simulation of electrokinetic remediation of organic pollutant in porous media	Journal of Hydrology	613	https//doi.org/10.1016/j.jhydrol.2022.128436
Han, Zheng; Kang, Xueyuan; Wu, Jichun; Shi, Xiaoqing	Characterization of the non-Gaussian hydraulic conductivity field via deep learning-based inversion of hydraulic-head and self-potential data	Journal of Hydrology	610	https//doi.org/10.1016/j.jhydrol.2022.127830
Du, Jianwen; Shi, Xiaoqing; Mo, Shaoxing; Kang, Xueyuan; Wu, Jichun	Deep learning based optimization under uncertainty for surfactant-enhanced DNAPL remediation in highly heterogeneous aquifers	Journal of Hydrology	608	https//doi.org/10.1016/j.jhydrol.2022.127639
Song, Jian; Yang, Yu; Wu, Jianfeng; Wu, Jichun	The coastal aquifer recovery subject to storm surge: Effects of connected heterogeneity, physical barrier and surge frequency	Journal of Hydrology	610	https//doi.org/10.1016/j.jhydrol.2022.127835
Song, Jian; Yang, Yun; Yin, Ziyue; Wu, Jianfeng; Sun, Xiaomin; Lin, Jin; Wu, Jichun	Satellite data-driven multi-objective simulation-optimization modeling for water-environment-agriculture nexus in an arid endorheic lake basin	Journal of Hydrology	612	https//doi.org/10.1016/j.jhydrol.2022.128207
Mo, Shaoxing; Zhong, Yulong; Forootan, Ehsan; Mehrnegar, Nooshin; Yin, Xin; Wu, Jichun; Feng, Wei; Shi, Xiaoqing	Bayesian convolutional neural networks for predicting the terrestrial water storage anomalies during GRACE and GRACE-FO gap	Journal of Hydrology	604	https//doi.org/10.1016/j.jhydrol.2021.127244
Xu, Pengcheng; Wang, Dong; Wang, Yuankun; Singh, Vijay P.; Qiu, Jianchun; Wu, Jichun; Zhang, Along; Ju, Xiaopei	+Dynamic identification and risk analysis of compound dry-hot events considering nonstationarity	Journal of Hydrology	616	https//doi.org/10.1016/j.jhydrol.2022.128852

Pan, Yue; Zeng, Xiankui; Xu, Hongxia; Sun, Yuanyuan; Wang, Dong; Wu, Jichun	Evaluation of Gaussian process regression kernel functions for improving groundwater prediction	Journal of Hydrology	603	https//doi.org/10.1016/j.jhydrol.2021.126960
Lyu, Xueyan; Li, Zhengyu; Wang, Dengjun; Zhang, Qi; Gao, Bin; Sun, Yuanyuan; Wu, Jichun	Transport of perfluorooctanoic acid in unsaturated porous media mediated by SDBS	Journal of Hydrology	607	https//doi.org/10.1016/j.jhydrol.2022.127479
Xu, Zhewen; Li, Tao; Li, Gaojun; Hedding, David W.; Wang, Yunqiang; Gou, Long-Fe; Zhao, Liang; Chen, Jun	Lithium isotopic composition of soil pore water: Responses to evapotranspiration	Geology	50（2）	https//doi.org/10.1130/G49366.1
Xie, Yueqing; Love, Andrew J.; Simmons, Craig T.; Costar, Adrian; Wu, Jichun	Groundwater age persistence in topography-driven groundwater flow over paleohydrogeologic time scales	Geology	50（6）	https//doi.org/10.1130/G49842.1
Zhang, Ruijie; Cao, Jian; Hu, Wenxuan; Zuo, Zhaoxi; Yao, Suping; Xiang, Baoli; Ma, Wanyun; He, Dan	Nanomechanical characterization of organic-matter maturity by atomic force microscopy (AFM)	International Journal of Coal Geology	261	https//doi.org/10.1016/j.coal.2022.104094
Qiang, Siyuan; Shi, Xiaoqing; Revil, Andre; Kang, Xueyuan; Liu, Yuanyuan; Wu, Jichun	Residual NAPL morphology effects on electrical resistivity: insights from micromodel displacement experiments and pore network simulations	Water Resources Research	58（12）	https//doi.org/10.1029/2022WR033233
Mo, Shaoxing; Zhong, Yulong; Forootan, Ehsan; Shi, Xiaoqing; Feng, We; Yin, Xin; Wu, Jichun	Hydrological droughts of 2017-2018 explained by the Bayesian reconstruction of GRACE(-FO) fields	Water Resources Research	58（9）	https//doi.org/10.1029/2022WR031997
Kang, Xueyuan; Kokkinaki, Amalia; Shi, Xiaoqing; Yoon, Hongkyu; Lee, Jonghyun; Kitanidis, Peter K.; Wu, Jichun	Integration of deep learning-based inversion and upscaled mass-transfer model for DNAPL mass-discharge estimation and uncertainty assessment	Water Resources Research	58(10)	https//doi.org/10.1029/2022WR033277
Zhang, Bolin; Yao, Suping; Ma, Anlin; Hu, Wenxuan; Liu, Biao; Yang, Wenguang	New geochemical constraints on the development of active continental margin in Southeast China during the Middle Permian and its tectonic implications	Gondwana Research	103	https//doi.org/10.1016/j.gr.2021.11.001

Pan, Y.; Zeng, X. K.; Gao, X. Y.; Xu, H. X.; Sun, Y. Y.; Wang, D.; Wu, J. C.	Assessing Human Health Risk to DNAPLs Exposure in Bayesian Uncertainty Analysis	Journal of Environmental Informatics	39(1)	https//doi.org/10.3808/jei.202100460
Wang, Zhao; Kwon, Kideok D.; Peacock, Caroline; Mo, Xinxin; Gou, Wenxian; Feng, Xionghan; Li, Wei	Zn stable isotope fractionation during adsorption onto todorokite: A molecular perspective from X-ray absorption spectroscopy and density functional theory	Geochimica et Cosmochimica Acta	327	https//doi.org/10.1016/j.gca.2022.04.016
Yang, Ruiyu; Li, Tao; Stubbs, Daniel; Chen, Tianyu; Liu, Shu; Kemp, David B.; Li, Weiqiang; Yang, Shouye; Chen, Jianfang; Elliott, Tim; Dellwig, Olaf; Chen, Jun; Li, Gaojun	Stable tungsten isotope systematics on the Earth's surface	Geochimica et Cosmochimica Acta	322	https//doi.org/10.1016/j.gca.2022.01.006
Li, Zi-bo; Liu, Lianwen; Lu, Xiancai; Cao, Yi; Ji, Junfeng; Chen, Jun	Hyphal tips actively develop strong adhesion with nutrient-bearing silicate to promote mineral weathering and nutrient acquisition	Geochimica et Cosmochimica Acta	318	https//doi.org/10.1016/j.gca.2021.11.017
Li, Gaojun; Yang, Ruiyu; Xu, Zhewen; Hartmann, Jens; Hedding, David W.; Li, Xianhua; Ernst, Richard E.; Li, Zhong-Hai; Zou, Hao; Li, Zhongquan; Chen, Jun	Oxygen isotopic alteration rate of continental crust recorded by detrital zircon and its implication for deep-time weathering	Earth and Planetary Science Letters	578	https//doi.org/10.1016/j.epsl.2021.117292
Li, Yong-Xiang; Liu, Xinyu; Selby, David; Liu, Zhonghui; Montanez, Isabel P.; Li, Xianghui	Enhanced ocean connectivity and volcanism instigated global onset of Cretaceous Oceanic Anoxic Event2(OAE2)~94.5 million years ago	Earth and Planetary Science Letters	578	https//doi.org/10.1016/j.epsl.2021.117331
Hu, Zhongya; Shi, Zhiqiang; Li, Gaojun; Xia, Zhiguang; Yi, Liang; Liu, Chuan; Li, Weiqiang	The Cenozoic Seawater Conundrum: New constraints from Mg isotopes in island dolostones	Earth and Planetary Science Letters	595	https//doi.org/10.1016/j.epsl.2022.117755

Song, Yalin; Shi, Xiaoqing; Revil, Andre; Kang, Xueyuan	Monitoring In Situ Microbial Growth and Decay in Soil Column Experiments by Induced Polarization	Geophysical Research Letters	49(16)	https//doi.org/10.1029/2021GL097553
Li, Huifeng; Chen, Shuai; Ma, Tianhai; Ruan, Xiaohong	The quantification of the influencing factors for spatial and temporal variations in surface water quality in recent ten years of the Huaihe River Basin, China	Environmental Science and Pollution Research	29(29)	https//doi.org/10.1007/s11356-021-18282-9
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Xia, Liuwen; Cao, Jian; Jin, Jun; Xiang, Baoli; Ma, Wanyun; Wang, Tingting	Response of nitrogen isotopes to paleo-environment and organic carbon accumulation in a Late Paleozoic alkaline lake, Junggar Basin	Chemical Geology	602	https//doi.org/10.1016/j.chemgeo.2022.120884
Meng, Xianqiang; Li, Gen K.; Liu, Lianwen; Long, Xiaoyong; Zhao, Wancang; Da, Jiawei; Ji, Junfeng	Decoupled paleosol-based proxies in Chinese loess deposits: Role of leaching and illuviation processes	Quaternary Science Reviews	298	https//doi.org/10.1016/j.quascirev.2022.107847
Guo, Chao; Li, Tao; Li, Gaojun; Chen, Tianyu; Li, Le; Zhao, Liang; Ji, Junfeng	Precise/small sample size determination of stable Cd isotope ratios of geological samples with double spike MC-ICP-MS	Journal of Analytical Atomic Spectrometry	37(11)	https//doi.org/10.1039/d2ja00250g
Mo, Xinxin; Zhuang, Ziyi; Ren, Chao; Li, Wei	Thermal activation of palygorskite for enhanced fluoride removal under alkaline conditions	Applied Geochemistry	147	https//doi.org/10.1016/j.apgeochem.2022.105484
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Wu, Xiaoli; Zeng, Xiankui; Lyu, Xueyan; Gao, Bin; Sun, Yuanyuan; Wu, Jichun	Combined Effects of Fe/Al Oxyhydroxide Coating and pH on Polystyrene Nanoplastic Transport in Saturated Sand Media	WATER AIR AND SOIL POLLUTION	233(1)	https//doi.org/10.1007/s11270-021-05469-6

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Wang, Yu; Cao, Jian; Zhang, Bolin; Liao, Zhiwei; Zhang, Bin; Liu, Jinchao; Shi, Chunhua	Genesis of the Wangpo bed in the Sichuan Basin: Formation by eruptions of the Emeishan large igneous province	Palaeogeography, Palaeoclimatology, Palaeoecology	594	https//doi.org/10.1016/j.palaeo.2022.110935
Tan, Haolin; Bao, Rui; Li, Chenlong; Sheng, Xuefen; Chen, Jun	Carbon isotope composition of land snail shells as a proxy for precipitation amount in the East Asian Monsoon region: A case study from Hainan Island	Palaeogeography, Palaeoclimatology, Palaeoecology	609	https//doi.org/10.1016/j.palaeo.2022.111309
Pang, Yang; Zhou, Bin; Ma, ChunMei; Jiang, JiaWei; Taylor, David; Lu, YueHan	Alkane variation in peat reveals palaeohydrological changes since the Little Ice Age in eastern China	Palaeogeography, Palaeoclimatology, Palaeoecology	585	https//doi.org/10.1016/j.palaeo.2021.110727
Wang, Yuce; Cao, Jian; Tao, Keyu; Xiao, Wenyao; Xiang, Baoli; Li, Erting; Pan, Changchun	Absence of β-carotane as proxies of hydrothermal activity in brackish lacustrine sediments	Palaeogeography, Palaeoclimatology, Palaeoecology	587	https//doi.org/10.1016/j.palaeo.2021.110801
Wu, Anbin; Cao, Jian; Zhang, Jingkun; Wu, Tao; Wang, Yuce	Origin of microbial–hydrothermal bedded dolomites in the Permian Lucaogou Formation lacustrine shales, Junggar Basin, NW China	Sedimentary Geology	440	https//doi.org/10.1016/j.sedgeo.2022.106260
Gou, Wenxian; Wang, Xiaoming; Zhu, Mengqiang; Guan, Dong-Xing; Mo, Xinxin; Wang, Hongtao; Li, Wei	Long-Range and Short-Range Structures of Multimetallic Layered Double Hydroxides	Journal of Physical Chemistry C	126(1)	https//doi.org/10.1021/acs.jpcc.2c00121
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Dai, Mingzhe; Zhou, Bin; Hu, Yuanfeng; Zheng, Hongbo	Climate and landscape change favouring early rice agriculture and appreciable human impact: Evidence from sediment δ13C in eastern China	Quaternary International	619	https//doi.org/10.1016/j.quaint.2021.11.003
Li, Laifeng; Robinson, Laura F.; Chen, Tianyu; Xu, Zhewen; Chen, Jun; Li, Gaojun	Limited Contribution of Preferential Dissolution to Radiogenic Uranium Isotope Disequilibrium Observed in Weathered Moraines	Journal of Earth Science	33(1)	https//doi.org/10.1007/s12583-021-1523-y
Xiong, Guiyao; Chen, Guangquan; Wu, Jichun; Fu, Tengfei; Yang, Yun; Xu, Xingyong; Zhu, Xiaobin; Yu, Hongjun; Liu, Shengfa; Gao, Maosheng; Hou, Guohua	Seawater Intrusion-Retreat Processes and Groundwater Evolution in Intruded Coastal Aquifers with Land Reclamation:A Case Study of Eastern Jiangsu, China	Lithosphere	2021(3)	https//doi.org/10.2113/2022/1308487