

Serial Number	Paper Name	Publication/Release Time	Publication/Journal (Conference Proceedings)	All Authors	Indexing Category	CAS Journal Classification Zone	Impact Factor
1	Macroscopic and mesoscopic dynamic performance of prefabricated polyurethane cured ballasted track-vehicle coupling system under cross-fault seismic loading	2025-10-01	Soil Dynamics and Earthquake Engineering	Ma Chaozhi (First Author); Xu, Yang (Corresponding Author); Li, Yi; Yu, Tong; Tong, Jing; Nadakatti, Mahantesh M.	SCI/EI	2zone	4.2
2	System dynamics modeling of life cycle energy-saving and CO2 emissions-reducing design scheme for prefabricated building envelope	2025-09-01	Energy and Buildings	Shi Xiaobo (First Author); Gu Zixin; Opoku, Alex; Yuan Zhenmin (Corresponding Author); Qiao Yaning (Co-corresponding Author)	SCI	2zone	7.2
3	Effects of pressure on friction characteristics of montmorillonite nanopores with various interlayer cations and surface charges	2025-09-01	Applied Surface Science	Wan Jingyu (First Author); Yang Yafan (Corresponding Author); Lau, Denvid; Shang Xiangyu	SCI	2zone	6.7
4	Bending and durability performance of TRC permanent formwork under chloride corrosion and impressed current	2025-07-18	Construction and Building Materials	Li Shichang (First Author); Qin Tianhao; Yin Shiping (Corresponding Author); Aslani, Farhad	SCI	2zone	7.4
5	An agent-based model of residents' group decision making in neighborhood regeneration: Assessing the impacts of consensus-reaching approaches	2025-06-01	CITIES	Huang Ruopeng (First Author); Fu Xinyue; Wang Wenshun (Corresponding Author); You Kairui (Corresponding Author); Zheng Saina; Xu Na	SCI/SSCI	2zone	5.8
6	Local search-based online learning algorithm for shape and cross-section optimization of free-form single-layer reticulated shells	2025-06-01	Automation in Construction	Zeng Qiang (First Author); Ohsaki, Makoto; Hayashi, Kazuki; Zhu Shaojun; Guo Xiaonong (Corresponding Author)	SCI/EI	2zone	5.2
7	Vibration characteristics of ballastless track and its effect on wheel-rail broadband dynamic interaction	2025-06-01	JOURNAL OF ZHEJIANG UNIVERSITY-SCIENCE A	Ma Chaozhi (First Author); Gao Liang; Wang, Pu; An, Bolun; Zhou Peng; Nadakatti, Mahantesh M.	SCI	2zone	3.2
8	Strength and Deformation Behaviors of Hydrate-Bearing Silty-Clayey Sediments With Different Compaction Patterns	2025-04-01	SPE Journal	Zhang Chenyi (First Author); Luo Tingting (Corresponding Author); Han Tao; Zhang Yu; Tian Zhuangcai; Sun Peixin; Xue Yong; Li Yanghui; Yang Weihao; Madhusudhan, B.N.	SCI/EI	2zone	3.6
9	Piled-supported embankment responses to tunnelling in soft ground: An investigation of settlement and load transfer mechanisms	2025-02-01	TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY	Soomro Mukhtiar Ali (First Author); Xiong, Shaokai; Cui Zhendong; Zhao, Chenyang; Mangi, Naeem	SCI/EI	2zone	5.9
10	Multi-scale modelling of broadband vibration in granular ballast bed and its effect on track-vehicle dynamic interaction	2025-01-31	Construction and Building Materials	Ma Chaozhi (First Author); Gao Liang; Xu Yang (Corresponding Author); Zhang Zhihai; Nadakatti, Mahantesh M.	SCI	2zone	7.4
11	Multi-level social capital effects on residents: Residents' cooperative behavior in neighborhood renewal in China	2025-01-01	LAND USE POLICY	Huang Ruopeng (First Author); Qian, Queena K.; Liu Guiwen (Corresponding Author); Li Kaijian (Corresponding Author); Visscher, Henk J.; Fu Xinyue; Wang Wenshun	SCI/SSCI	2zone	6
12	Impact of twin stacked tunnels on laterally loaded pile groups: An emphasis on settlement and load transfer mechanisms using centrifuge and numerical modelling	2024-12-01	Structures	Soomro Mukhtiar Ali (First and Corresponding Author); Dai, Mengle; Cui Zhendong; Mangi, Naeem; Mangnejo, Dildar Ali; Zhao Chenyang	SCI	2zone	4.3
13	Effects of 1.5 °C global warming on pavement climatic factors and performance	2024-11-01	Transportation Research Part D: Transport and Environment	Qiao Yaning (First and Corresponding Author); Wang, Yaxin; Zhang, Shuyue; Stoner, Anne M.K.; Santos, Joao	SCI/SSCI	2zone	6.2
14	Fire performance of superabsorbent polymers protected full-scale cold-formed steel wall lined with plasterboards	2024-11-01	THIN-WALLED STRUCTURES	Liu, Kang (First Author); Chen Wei; Ye Jihong; Jiang Jian; Fang, Zhiyuan; Lim, James B. P.	SCI/EI	2zone	4.9
15	Geophysical properties of hydrate-bearing silty-clayey sediments with different compaction patterns	2024-10-21	Energy&Fuels	Zhang Chenyi; Luo Tingting (First Author); Xue Yong; Wang Aowang; Zhao Yi; Yang Weihao; Han Tao; B.N. Madhusudhan; Zhang Yu; Song Yongchen	SCI	2zone	3.9
16	Accident cause analysis for lifting prefabricated components of assembled buildings based on hybrid simulation technology from human factor perspective	2024-10-17	Engineering, Construction and Architectural Management	Shi Xiaobo (First Author); Fu Kangbo; Qiao Yaning; Joao Santos; Yuan Zhenmin (Corresponding Author)	SCI/SSCI	3zone	2.3

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17	Heat transfer mechanism of superabsorbent polymers phase change energy storage cold-formed steel wall under fire	2024-10-09	JOURNAL OF BUILDING ENGINEERING	Liu Kang (First Author); Chen Wei (Corresponding Author); Ye Jihong; Jiang Jian; Zhiyuan Fang (Corresponding Author); James B.P. Lim	SCI	3zone	4.5
18	Influence of end restraint strength on the structural fire behavior and deterioration mechanism of RC frame beams	2024-10-01	STRUCTURAL CONCRETE	Lu Limin (First and Corresponding Author); Zhao, Zixian; Xu, Weihao; Wang, Shouxing; Li, Kang; Yuan Guanglin; Shu Qianjin; Yuan, Yong; Taerwe, Luc	SCI/EI	3zone	2
19	Comparison between ACN-PCN and ACR-PCR for rigid airport pavement with case study	2024-07-22	Road Materials and Pavement Design	Sun Junyu (First and Corresponding Author); Erwin Oh; Gary Chai; Ma Zhanguo; Phil Bell	SCI/EI	3zone	2.6
20	Evaluation of response mechanisms in an elevated pile group subjected to lateral loading caused by twin-tunnelling	2024-07-01	Computers and Geotechnics	SOOMRO (First and Corresponding Author); Naeem Mangi; Cui Zhendong; Kai Liu; Dildar Ali Mangnejo	SCI/EI	2zone	3.8
21	A model for characterization of crack closure stage in stress-strain curves of Suizhou granite after exposure to various thermal shocks	2024-06-01	Bulletin of Engineering Geology and the Environment	Zhu Zhennan (First Author); Yang Shengqi (Corresponding Author); Ranjith, Pathegama Gamage; Tian, Nuocheng; Xie Jingyu; Yuan, Yilong; Tian, Hong; Jiang Guosheng; Dou, Bin	SCI	3zone	2.2
22	Insights from 3D numerical simulations on the impact of tunnelling on vertical and battered pile groups under lateral loading	2024-05-01	Computers and Geotechnics	SOOMRO (First Author); Kai Liu (Corresponding Author); Cui Zhendong; Naeem Mangi; Dildar Ali Mangnejo	SCI/EI	2zone	3.8
23	Improving the professionalization level of a new generation of construction workers to reduce their unsafe behaviour: an empirical study in China	2024-04-02	INTERNATIONAL JOURNAL OF OCCUPATIONAL SAFETY AND ERGONOMICS	Ni Guodong (First Author); Wang Shaobo; Zhou, Qiandi; Qiao Yaning; Ojum, Chibuzor; Li, Huaikun; Miao, Xinyue	SCI/SSCI	3zone	1.7
24	A decomposed Karhunen-Loève expansion scheme for the discretization of multidimensional random fields in geotechnical variability analysis	2024-04-01	STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT	Zhu Bin (First Author); Hiraishi, Tetsuya	SCI	3zone	2.9
25	The interfacial behavior of an axisymmetric film bonded to a graded inhomogeneous substrate	2024-03-22	MECHANICS OF MATERIALS	Li Dengke (First Author); Chen Peijian (Corresponding Author); Liu Hao; Peng Zhilong; Guler MA; Chen Shaohua	SCI	2zone	3.7
26	Investigation on wave-induced responses of heterogeneous seabed around a buried pipeline based on nonstationary random field model	2024-03-01	Computers and Geotechnics	Zhu Bin (First and Corresponding Author); Yang Qing; Wang Tao; Lu Mengmeng; Mo Pinqiang; Hiraishi, Tetsuya; Mase, Hajime	SCI/EI	2zone	3.8
27	Evaluation of risk factors affecting the safety of coal mine construction projects using an integrated DEMATEL-ISM approach	2024-02-20	ENGINEERING CONSTRUCTION AND ARCHITECTURAL	Shi Xiaobo (First Author); Liu Yan; Ma Kunkun; Gu Zixin; Qiao Yaning; Ni Guodong; Ojum, Chibuzor; Opoku, Alex; Liu Yong (Corresponding Author)	SCI/SSCI	3zone	2.3
28	Evaluating the thermal performance of unsaturated bentonite-sand-graphite as buffer material for waste repository using an improved prediction model	2024-01-19	CANADIAN GEOTECHNICAL JOURNAL	Liu Xiaoyan (First Author); Congress, Surya Sarat Chandra; Cai Guojun; Liu Lulu; Puppala, Anand J.	SCI/EI	2zone	4
29	A systematic review of structural design methods and nondestructive tests for airport pavements	2024-01-12	CONSTRUCTION AND BUILDING MATERIALS	Sun Junyu (First Author); Oh, Erwin; Chai, Gary; Ma Zhanguo; Ong, Dominic E. L.; Bell, Phil	SCI	2zone	7.4
30	Unusual gradient stress induced superior room-temperature plasticity in brittle ferromagnetic bulk metallic glass	2023-11-15	Journal of Materials Science & Technology	Wang Meng (First Author); Yang Weiming (Corresponding Author); Lan, Si; Li Zongzhen; Wang Qianqian; Li Wenyu; Tao Jing; Zhou Jing; Li Qiang; Liu Haishun; A. Inoue	SCI	1zone	8.4
31	A stochastic numerical model for wave-induced dynamic response in a spatially heterogeneous seabed around structures	2023-11-15	OCEAN ENGINEERING	Zhu Bin (First Author); Yang Qing; Hiraishi, Tetsuya; Mase, Hajime; Pei, Huaifu; Wang Tao; Lu Mengmeng	SCI/EI	2zone	4.4
32	Safety Risk Diagnosis Based on Motion Trajectory for Construction Workers: An Integrated Approach	2023-11-01	JOURNAL OF CONSTRUCTION ENGINEERING AND MANAGEMENT	Duan, Pinsheng (First Author); Zhou Jianliang; Goh, Yang Miang	SCI/EI	2zone	3.8
33	Numerical analysis of the offshore wind turbine pre-mating process using a low-height lifting system for a nonconventional installation vessel	2023-10-15	Ocean Engineering	Gao Liu (First Author); Liu, Ting (Corresponding Author); Halse, Karl H.; Jiang, Zhiyu	SCI/EI	2zone	4.4

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34	Assessing flood risk to urban road users based on rainfall scenario simulations	2023-10-01	TRANSPORTATION RESEARCH PART D-TRANSPORT AND	Qiao Yaning (First and Corresponding Author); Wang, Yaxin; Jin, Ning; Zhang, Shuyue; Giustozzi, Filippo; Ma, Tao	SCI/SSCI	2zone	6.2
35	New Insight to Interlayer Interference During Three-Gas Co-production Based on a Wellbore-Reservoir Coupling Model	2023-10-01	NATURAL RESOURCES RESEARCH	Liang Wei (First Author); Wang Jianguo; Li Peibo; Leung, Chunfai; Goh, Sianghuat; Sang Shuxun	SCI	3zone	2.4
36	Fully coupled hydro-mechanical modeling of two-phase flow in deformable fractured porous media with discontinuous and continuous Galerkin method	2023-09-28	Computers and Geotechnics	Ma Tianran (First Author); Jiang Lintong; Shen Weijun (Corresponding Author); Cao Wenzhuo; Guo Chaobin; Hamidreza M. Nick	SCI/EI	2zone	3.8
37	Deformation Control Technology of Gob-Side Entry Retaining with Large Volume CFST Roadway Side Support in Top-Coal Caving Longwall and Stability Analysis: A Case Study	2023-08-01	APPLIED SCIENCES-BASEL	Liu Zilu (First Author); Ma Zhanguo (Corresponding Author); Kazanin, Oleg Ivanovich; Gong Peng; Li Ye; Ni Xiaoyan	SCI	3zone	2.5
38	Impact of Crossflow and Two-Phase Flow on Gas Production from Stacked Deposits	2023-06-14	ENERGY & FUELS	Liang Wei (First Author); Wang Jianguo; Leung, Chunfai; Goh, Sianghuat; Li Peibo	SCI	2zone	3.9
39	Personalized stability monitoring based on body postures of construction workers working at heights	2023-06-01	Safety Science	Duan, Pinsheng (First Author); Goh, Yang Miang; Zhou Jianliang (Corresponding Author)	SCI/SSCI	2zone	4.8
40	Plastic TiZrHfCoNiCu high entropy alloy via stable B2 phase	2023-02-15	Journal of Alloys and Compounds	Li, Hongyang (First Author); Yang Weiming; Ma, Yan; Kong, Fanli; Wan Yixing; Chen Changjiu; Liu Haishun; Li, Hui; Inoue, Akihisa	SCI	2zone	6.3
41	Numerical Modeling for Rapid Charging of Hydrogen Gas Vessel in Fuel Cell Vehicle	2023-02-01	PROCESSES	Yuan, Kaifeng (First Author); Pan, Hao; Liu Zhan; Andersson, Martin	SCI	3zone	2.8
42	Hybrid Bayesian-Copula-based risk assessment for tall buildings subject to wind loads considering various uncertainties	2023-01-16	Reliability Engineering and System Safety	Zheng Xiaowei (First Author); Li Hongnan; Paolo Gardoni	SCI	2zone	5.1
43	Thermodynamic performance in a liquid oxygen tank during active-pressurization under different gas injection temperatures	2023-01-01	International Communications in Heat and Mass Transfer	Liu Zhan (First and Corresponding Author); Yin Xin; Liu Yuanliang; Li, Yanzhong; Andersson, Martin	SCI	3zone	4.9
44	A comprehensive review on mechanical responses of granite in enhanced geothermal systems (EGSs)	2022-12-01	Journal of Cleaner Production	Zhu Zhennan (First Author); Yang Shengqi (Corresponding Author); Ranjith P.G; Tian Wenling; Tian Hong; Zheng Jun; Jiang Guosheng; Dou Bin	SCI	1zone	11.1
45	Influence of stress relief due to deep excavation on a brick masonry wall: 3D numerical predictions	2022-11-18	EUROPEAN JOURNAL OF ENVIRONMENTAL AND CIVIL ENGINEERING	SOOMRO (First Author); Dildar Ali Mangnejo (Corresponding Author); Abdullah Saand; Naeem Mangi; Muhammad Auchar Zardari	SCI/EI	3zone	1.9
46	Crystal plasticity modeling of low-cycle fatigue behavior of an Mg-3Al-1Zn alloy based on a model, including twinning and detwinning mechanisms	2022-11-01	JOURNAL OF THE MECHANICS AND PHYSICS OF SOLIDS	Guo Xiaoqian (First Author); Cheng Yao (Co-first Author); Xin Yunchang (Corresponding Author); Wu Wei; Ma Chao; An Ke; Liaw Peter K.; Wu Peidong; Liu Qing	SCI	1zone	5.1
47	Coupled thermal-hydraulic simulations of fracturing in granite under high temperature and high pressure treatment via peridynamic	2022-11-01	International Journal of Rock Mechanics and Mining Sciences	Yang Zhen (First Author); Yang Shengqi (Corresponding Author); Zheng Wenbo; Dwayne D. Tannant	SCI/EI	2zone	6.2
48	MPM modeling of pile installation in sand: Contact improvement and quantitative analysis	2022-11-01	COMPUTERS AND GEOTECHNICS	Gao Liu (First Author); Guo, N. (Corresponding Author); Yang, Z. X.; Jardine, R. J.	SCI/EI	2zone	3.8
49	Evaluating the economic and environmental impacts of road pavement using an integrated local sensitivity model	2022-10-15	JOURNAL OF CLEANER PRODUCTION	Qiao Yaning (First Author); Wang, Zhiyue; Meng, Fanran (Corresponding Author); Parry, Tony; Cullen, Jonathan; Liu Shu	SCI	1zone	11.1
50	Influencing Factors of Human Errors in Metro Construction Based on Structural Equation Modeling (SEM)	2022-10-01	BUILDINGS	Shi Xiaobo (First Author); Liu Yan; Zhang Dongyan; Li Ruixu; Qiao Yaning; Opoku, Alex; Cui Caiyun (Corresponding Author)	SCI	3zone	2.8

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51	The effect of overconsolidation on the mechanical behaviours of hydrate-bearing silty sediments	2022-09-24	Journal of Natural Gas Science and Engineering	Luo Tingting (First Author); Zhang Chenyi; Xu Jinhan; Zhang Shuning; Zhao Xiaodong; Zhu Yiming; Madhusudhan, B. N.; Song Yongchen; Han Tao (Corresponding Author)	SCI	2zone	4.8
52	Fluid sloshing hydrodynamics in a cryogenic fuel storage tank under different order natural frequencies	2022-08-01	JOURNAL OF ENERGY STORAGE	Liu Zhan (First Author); Yuan, Kaifeng; Liu Yuanliang; Andersson, Martin; Li, Yanzhong	SCI	2zone	7.6
53	A statistical thermal damage constitutive model for rock considering characteristics of the void compaction stage based on normal distribution	2022-08-01	BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT	Zhu Zhennan (First Author); Yang Shengqi; Ranjith, Pathegama Gamage; Tian, Hong; Jiang Guosheng; Dou, Bin	SCI	3zone	2.2
54	Investigation on the pressurized discharge performance from a liquid oxygen tank under different injected gas temperatures	2022-07-01	THERMAL SCIENCE AND ENGINEERING PROGRESS	Liu Zhan (First Author); Bai, Minkai; Xue, Wenlong; Li, Yanzhong; Andersson, Martin	SCI	2zone	5.2
55	Effects of twin excavations with different construction sequence on a brick masonry wall: 3D finite element approach	2022-07-01	Structures	SOOMRO (First Author); Kai Liu (Corresponding Author); Dildar Ali Mangnejo; Naeem Mangi	SCI	2zone	4.3
56	Parametric Study of Twin Tunneling Effects on Piled Foundations in Stiff Clay: 3D Finite-Element Approach	2022-06-01	International Journal of Geomechanics	SOOMRO (First and Corresponding Author); Manoj Kumar; Naeem Mangi; Dildar Ali Mangnejo; Cui Zhendong	SCI/EI	2zone	3.2
57	Probabilistic analysis of wave-induced dynamic response in a poroelastic sloping seabed using random finite element method	2022-05-15	OCEAN ENGINEERING	Zhu Bin (First Author); Hiraishi, Tetsuya; Mase, Hajime; Pei, Huaifu; Yang Qing	SCI/EI	2zone	4.4
58	Impacts of future climate change on flexible road pavement economics: A life cycle costs analysis of 24 case studies across the United States	2022-05-01	Sustainable Cities and Society	Qiao Yaning (First Author); Guo, Yaru; Stoner, Anne M.K.; Santos J. (Corresponding Author)	SCI/SSCI	2zone	7.5
59	Synergetic Order Parameter Identification of Prefabricated Building Projects Based on Main Theme Analysis	2022-04-01	ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING	Qiao Yaning (First Author); Shi Xiaobo (Corresponding Author); Ren, Jia; Liu Wanying; Shen, Fang; Chen Jiayan; Opoku, Alex	SCI/EI	3zone	1.8
60	Direct FE2 for concurrent multilevel modeling of heterogeneous thin plate structures	2022-03-15	COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING	Xu Junhao (First Author); Li Pei; Poh, Leong Hien (Corresponding Author); Zhang Yingying; Tan, Vincent Beng Chye	SCI	1zone	6.5
61	Experimental study on the dynamic behaviour of expanded-shale lightweight concrete at high strain rate	2021-12-21	Materials and Structures	Du Yong (First Author); Jiang Jian (Corresponding Author); Qi Honghui; J. Y. Richard Liew	SCI/EI	2zone	3.3
62	Probabilistic Seismic Demand Models and Life-Cycle Fragility Estimates for High-Rise Buildings	2021-12-01	JOURNAL OF STRUCTURAL ENGINEERING	Zheng Xiaowei (First Author); Li Hongnan (Corresponding Author); Paolo Gardoni	SCI/EI	2zone	3.5
63	The Chloride Ion Penetration Mechanism in Basalt Fiber Reinforced Concrete under Compression after Elevated Temperatures	2021-11-16	Applied Sciences	Lu Limin (First Author); Wu Shaohua; Qin Yuwen; Yuan Guanglin; Zhao Qingli (Corresponding Author); Jeung-Hwan Doh	SCI	3zone	2.5
64	Experimental study of the mechanical properties of basalt fibre-reinforced concrete at elevated temperatures	2021-10-16	European Journal of Environmental and Civil Engineering	Lu Limin (First Author); Han Fei; Qin Yuwen; Wu Shaohua; Yuan Guanglin; Zhao Qingli; Jeung-Hwan Doh (Corresponding Author)	SCI/EI	3zone	1.9
65	Experimental study on durability of basalt fiber concrete after elevated temperature	2021-10-02	Structural Concrete	Lu Limin (First Author); Han Fei; Wu Shaohua; Qin Yuwen; Yuan Guanglin; Jeung-Hwan Doh (Corresponding Author)	SCI/EI	3zone	2
66	The impact of thermal insulation on cooling energy consumption and optimal insulation thickness for underground tunnel	2021-10-01	Sustainable Energy Technologies and Assessments	Wang Yijiang (First and Corresponding Author); Wang Chaochao; Gao Shang; Zheng, Xiaofeng (Co-corresponding Author); Darkwa, Jo	SCI	3zone	5.3
67	Creep Rupture and Permeability Evolution in High Temperature Heat-Treated Sandstone Containing Pre-Existing Twin Flaws	2021-10-01	ENERGIES	Yang Shengqi (First and Corresponding Author); Tang Jinzhou; Elsworth, Derek	SCI	3zone	3

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68	Statistical analysis of the bonding properties of the fabric-reinforced cementitious matrix for strengthening masonry structures	2021-10-01	Advances in Structural Engineering	Jing Lei (First Author); Yin Shiping (Corresponding Author); Aslani, Farhad; Liu Shuang	EI	3zone	1.5
69	Strength and Deformation Behaviors of Methane Hydrate-Bearing Marine Sediments in the South China Sea during Depressurization	2021-09-16	Energy and Fuels	Luo Tingting (First and Corresponding Author); Han Tao; B N, Madhusudhan; Zhao Xiaodong; Zou, Di; Song, Yongchen	SCI	2zone	3.9
70	Visualizing the effect of excavation rate on rock deformation and fracturing of tunnels using a transparent soft rock surrogate	2021-09-01	ACTA GEOTECHNICA	Xu Guoan (First Author); Iskander, Magued (Corresponding Author); Ads, Abdelaziz; Jing Hongwen	SCI/EI	2zone	3.5
71	Safety Management System Prototype/Framework of Deep Foundation Pit Based on BIM and IoT	2021-08-09	ADVANCES IN CIVIL ENGINEERING	Fan Wenhan (First Author); Zhou Jianliang (Corresponding Author); Zhou, Jianming (Co-first Author); Liu Dandan; Shen Wenjing; Gao Jiarui	SCI/EI	3zone	2
72	Reliability-based design approach for high-rise buildings subject to earthquakes and strong winds	2021-07-03	Engineering Structures	Zheng Xiaowei (First and Corresponding Author); Li Hongnan; Paolo Gardoni	SCI	2zone	5.6
73	Statistical analysis of the compressive strength of fabric-reinforced cementitious matrix (FRCM)-confined masonry columns	2021-06-01	MATERIALS AND STRUCTURES	Jing Lei (First Author); Yin Shiping (Corresponding Author); Aslani, Farhad	SCI/EI	2zone	3.3
74	Structural homology of the strength for metallic glasses	2021-02-01	Journal of Materials Science & Technology	Yang Weiming (First Author); Sun Xinfeng; Liu Haishun; Yu Changfeng; Li Wenyu; Inoue, Akihisa; D. Sopa; J. Eckert; Tang Chunguang	SCI	1zone	8.4
75	Calculation model of overburden subsidence in mined-out area based on Brillouin optical time-domain reflectometer technology	2021-02-01	INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES	Meng Fanfei (First Author); Piao Chunde; Shi, B.; Sasaoka, T.; Shimada, H.	SCI/EI	2zone	6.2
76	Three-Dimensional Numerical Modeling of Grain-Scale Mechanical Behavior of Sandstone Containing an Inclined Rough Joint	2021-02-01	ROCK MECHANICS AND ROCK ENGINEERING	Tang Jinzhou (First Author); Yang Shengqi (Corresponding Author); Elsworth, Derek; Tao Yan	SCI/EI	2zone	6.1
77	The alterations of critical pore water pressure and micro-cracking morphology with near-wellbore fractures in hydraulic fracturing of shale reservoirs	2021-02-01	ENGINEERING FRACTURE MECHANICS	Dou, Fakai (First Author); Wang Jianguo (Corresponding Author); Leung, C. F.; Ma Zhanguo	SCI	2zone	4.4
78	Life-cycle probabilistic seismic risk assessment of high-rise buildings considering carbonation induced deterioration	2021-01-13	ENGINEERING STRUCTURES	Zheng Xiaowei (First Author); Li Hongnan (Corresponding Author); Paolo Gardoni	SCI	2zone	5.6
79	Effect of pre-deformation on the activation stress of {10–12} twinning in Mg–3Al–1Zn alloy	2021-01-07	MATERIALS SCIENCE AND ENGINEERING A	Guo Xiaoqian (First Author); Ma Chao; Zhao Lingyu; Chapuis, Adrien (Corresponding Author); Liu Qing; Wu Peidong	SCI	2zone	5
80	Influence Mechanism of Organizational Flexibility on Enterprise Competitiveness: The Mediating Role of Organizational Innovation	2021-01-01	SUSTAINABILITY	Ni Guodong (First Author); Xu, Heng; Cui, Qingbin; Qiao Yaning; Zhang, Ziyao; Li, Huaikun; Hickey, Paul J.	SCI/SSCI	3zone	3.1
81	Assessing impacts of climate change on flexible pavement service life based on Falling Weight Deflectometer measurements	2020-12-01	PHYSICS AND CHEMISTRY OF THE EARTH	Qiao Yaning (First Author); Zhang, Yang (Corresponding Author); Zhu, Yuefeng (Co-corresponding Author); Lemkus, Trent; Stoner, Anne M. K.; Zhang, Jizhe; Cui, Yuanlong	SCI	3zone	2.8
82	Experimental study of thermal fracturing of Hot Dry Rock irradiated by moving laser beam: Temperature, efficiency and porosity	2020-11-01	Renewable Energy	Wang Yijiang (First and Corresponding Author); Jiang, Jinyi; Darkwa, Jo; Xu, Zeyuan; Zheng, Xiaofeng; Zhou Guoqing (Co-corresponding Author)	SCI	2zone	8
83	Experimental investigation on compressive performance of masonry columns confined with textile-reinforced concrete	2020-10-23	Construction and Building Materials	Jing Lei; Yin Shiping (First Author); Farhad Aslani	SCI	2zone	7.4
84	An experimental study on fracture evolution mechanism of a non-persistent jointed rock mass with various anchorage effects by DSCM, AE and X-ray CT observations	2020-10-01	International Journal of Rock Mechanics and Mining Sciences	Yang Shengqi (First and Corresponding Author); Chen Miao; Huang Yanhua; Jing Hongwen; Ranjith, P.G.	SCI/EI	2zone	6.2

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85	Permeability evolution and crack characteristics in granite under treatment at high temperature	2020-10-01	International Journal of Rock Mechanics and Mining Sciences	Tian Wenling (First Author); Yang Shengqi (Corresponding Author); Elsworth, Derek; Wang Jianguo; Li Xiaozhao	SCI/EI	2zone	6.2
86	An Experimental Study of Effect of High Temperature on the Permeability Evolution and Failure Response of Granite Under Triaxial Compression	2020-10-01	ROCK MECHANICS AND ROCK ENGINEERING	Yang Shengqi (First Author); Tian Wenling; Elsworth, Derek; Wang Jianguo; Fan Lifeng	SCI/EI	2zone	6.1
87	Influence of curing age on the mechanical properties of fly ash concrete exposed to elevated temperature	2020-09-01	STRUCTURAL CONCRETE	Li Qingtao (First Author); Lu Limin; Yuan Guanglin; Doh, Jeung-Hwan	SCI/EI	3zone	2
88	Thermo-mechanical and moisture absorption properties of fly ash-based lightweight geopolymer concrete reinforced by polypropylene fibers	2020-08-10	Construction and Building Materials	Wang Yijiang (First and Corresponding Author); Zheng Tongda; Zheng Xiaofeng; Liu Yifei; Darkwa, Jo; Zhou Guoqing	SCI	2zone	7.4
89	Climate change impacts on asphalt road pavement construction and maintenance: An economic life cycle assessment of adaptation measures in the State of Virginia, United States	2020-04-01	Journal of Industrial Ecology	Qiao Yaning (First Author); Santos, Joao (Corresponding Author); Stoner, Anne M.K.; Flinstch, Gerardo	SCI/SSCI	2zone	5.2
90	Multi-Scale Insights on the Threshold Pressure Gradient in Low-Permeability Porous Media	2020-03-01	SYMMETRY-BASEL	Wang Huimin (First Author); Wang Jianguo; Wang, Xiaolin; Chan, Andrew	SCI	3zone	2.7
91	Fracture and strain field evolution in faulted brine-saturated sandstone	2020-03-01	Journal of Testing and Evaluation	Huang Yanhua (First Author); Yang Shengqi (Corresponding Author); Hall, Matthew R.	SCI/EI	3zone	1.4
92	Influence of Super-Critical CO ₂ on the Strength and Fracture Behavior of Brine-Saturated Sandstone Specimens	2020-02-01	Rock Mechanics and Rock Engineering	Huang Yanhua (First Author); Yang Shengqi (Corresponding Author); Li Wenping; Hall, Matthew R.	SCI/EI	2zone	6.1
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94	Risk assessment of water inrush caused by karst cave in tunnels based on reliability and GA-BP neural network	2020-01-15	Geomatics, Natural Hazards and Risk	Li Chaoyang (First Author); Wang Yingchao (Corresponding Author); C. Guney Olgun; Yang Shengqi; Jiao Qinglei; Wang Mitian	SCI	3zone	2.6
95	Enhancing carbonation and chloride resistance of autoclaved concrete by incorporating nano-CaCO ₃	2020-01-01	NANOTECHNOLOGY REVIEWS	Li Guo (First Author); Zhuang, Zheng; Lv, Yajun; Wang, Kejin; Hui, David	SCI	3zone	2.1