

Shen-en Chen

List of Publications by Year in descending order

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38
papers

876
citations

687363

13
h-index

477307

29
g-index

39
all docs

39
docs citations

39
times ranked

1034
citing authors

#	ARTICLE	IF	CITATIONS
1	The Challenges of Reusing Mining and Mineral-Processing Wastes. <i>Science</i> , 2012, 337, 702-703.	12.6	300
2	Compaction's Impacts on Urban Storm-Water Infiltration. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2008, 134, 652-658.	1.0	125
3	Monitoring the behavior of segment joints in a shield tunnel using distributed fiber optic sensors. <i>Structural Control and Health Monitoring</i> , 2018, 25, e2056.	4.0	60
4	Observations and Modeling of Coastal Boulder Transport and Loading During Super Typhoon Haiyan. <i>Coastal Engineering Journal</i> , 2016, 58, 1640004-1-1640004-25.	1.9	53
5	Experimental investigation on dynamic characterization and seismic control performance of a TLPD system. <i>Structural Design of Tall and Special Buildings</i> , 2017, 26, e1350.	1.9	39
6	Bridge Clearance Evaluation Based on Terrestrial LIDAR Scan. <i>Journal of Performance of Constructed Facilities</i> , 2012, 26, 469-477.	2.0	32
7	Reliability analysis of bridge evaluations based on 3D Light Detection and Ranging data. <i>Structural Control and Health Monitoring</i> , 2013, 20, 1397-1409.	4.0	28
8	Subsidence Mechanism and Stability Assessment Methods for Partial Extraction Mines for Sustainable Development of Mining Cities—A Review. <i>Sustainability</i> , 2018, 10, 113.	3.2	28
9	Long-Term Stability Evaluation and Pillar Design Criterion for Room-and-Pillar Mines. <i>Energies</i> , 2017, 10, 1644.	3.1	25
10	An improved method for long-term stability evaluation of strip mining and pillar design. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2018, 107, 25-30.	5.8	24
11	Surface damage quantification of postearthquake building based on terrestrial laser scan data. <i>Structural Control and Health Monitoring</i> , 2018, 25, e2210.	4.0	21
12	Integrated distributed fiber optic sensing technology-based structural monitoring of the pound lock. <i>Structural Control and Health Monitoring</i> , 2017, 24, e1954.	4.0	19
13	Mine Size Effects on Coal Pillar Stress and Their Application for Partial Extraction. <i>Sustainability</i> , 2018, 10, 792.	3.2	15
14	Comparative study of bridge management programmes and practices in the USA and China. <i>Structure and Infrastructure Engineering</i> , 2014, 10, 577-588.	3.7	14
15	Small multi-turn coils based on transient electromagnetic method for coal mine detection. <i>Journal of Applied Geophysics</i> , 2019, 169, 165-173.	2.1	12
16	A framework for holistic designs of power line systems based on lessons learned from Super Typhoon Haiyan. <i>Sustainable Cities and Society</i> , 2017, 35, 350-364.	10.4	11
17	Evaluation of residual strength and durability aspect of concrete cube exposed to elevated temperature. <i>Journal of Sustainable Cement-Based Materials</i> , 2017, 6, 231-253.	3.1	10
18	An inversion of transient electromagnetic data from a conical source. <i>Applied Geophysics</i> , 2018, 15, 545-555.	0.6	9

#	ARTICLE	IF	CITATIONS
19	Dynamic Study of a Rooftop Vertical Axis Wind Turbine Tower Based on an Automated Vibration Data Processing Algorithm. <i>Energies</i> , 2018, 11, 3135.	3.1	8
20	Modal Characteristics of Two Operating Power Transmission Poles. <i>Shock and Vibration</i> , 2010, 17, 551-561.	0.6	7
21	The thermodynamic properties variation of cemented clay after treatment at high temperatures. <i>Construction and Building Materials</i> , 2018, 182, 523-529.	7.2	6
22	Forensic engineering education reform. <i>Proceedings of the Institution of Civil Engineers: Forensic Engineering</i> , 2013, 166, 9-16.	0.5	5
23	Transient Electromagnetic Response With a Ramp Current Excitation Using Conical Source. <i>IEEE Access</i> , 2019, 7, 63829-63836.	4.2	5
24	Prototyping rail track for micro-people movers using additive manufacturing: Failure topology characterization. <i>Construction and Building Materials</i> , 2021, 281, 122623.	7.2	4
25	An Empirical Model for Geopolymer Reactions Involving Fly Ash and GGBS. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-13.	1.8	3
26	An Analysis of Local and Combined (Global) Scours on Piers-on-Bank Bridges. <i>CivilEng</i> , 2022, 3, 1-20.	1.4	3
27	Axial and transverse characterizations of ceramic candle filters. <i>Fuel</i> , 2008, 87, 2807-2816.	6.4	2
28	3D-RVSP experimental study above a carbonate outcrop for coal resource exploration. <i>Acta Geophysica</i> , 2019, 67, 95-107.	2.0	2
29	Posthurricane Investigation of a Critical Component toward Improved Grid Resiliency in Puerto Rico. <i>Journal of Performance of Constructed Facilities</i> , 2020, 34, 02520001.	2.0	2
30	Nondestructive Quality Assurance of Ceramic Filters Using Noncontact Dynamic Characterization. <i>Journal of Nondestructive Evaluation</i> , 2005, 24, 55-66.	2.4	1
31	Remote sensing techniques for geo-problem applications. <i>Japanese Geotechnical Society Special Publication</i> , 2016, 2, 207-211.	0.2	1
32	An Energy Demodulation Based Fiber Optic Sensing System for Landslide Early-Warning. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 699.	2.5	1
33	Resiliency of Power Grid Infrastructure Under Extreme Hazards - Observations and Lessons Learned from Hurricane Maria in Puerto Rico. <i>Sustainable Civil Infrastructures</i> , 2021, , 1-17.	0.2	1
34	Ash pond erosion process monitoring using LiDAR scans. <i>Japanese Geotechnical Society Special Publication</i> , 2016, 2, 1051-1055.	0.2	0
35	Structural Assessment of Cyclone Hudhud in Vizag, Andhra Pradesh. <i>Journal of Performance of Constructed Facilities</i> , 2020, 34, 04020099.	2.0	0
36	Multi-hole joint acquisition of a 3D-RVSP in a karst area: Case study in the Wulunshan Coal Field, China. <i>Applied Geophysics</i> , 2020, 17, 37-53.	0.6	0

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37	Two-Story Residential Structure Damages after the 2020 Puerto Rico Earthquake. Journal of Performance of Constructed Facilities, 2022, 36, .	2.0	0
38	Modeling of Progressive Scouring of a Pier-on-Bank. CivilEng, 2022, 3, 365-384.	1.4	0