

# Shen-en Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	Two-Story Residential Structure Damages after the 2020 Puerto Rico Earthquake. <i>Journal of Performance of Constructed Facilities</i> , 2022, 36, .	2.0	0
3	An Analysis of Local and Combined (Global) Scours on Piers-on-Bank Bridges. <i>CivilEng</i> , 2022, 3, 1-20.	1.4	3
4	Modeling of Progressive Scouring of a Pier-on-Bank. <i>CivilEng</i> , 2022, 3, 365-384.	1.4	0
5	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
6	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
7	Structural Assessment of Cyclone Hudhud in Vizag, Andhra Pradesh. <i>Journal of Performance of Constructed Facilities</i> , 2020, 34, 04020099.	2.0	0
8	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
9	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
10	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
11	3D-RVSP experimental study above a carbonate outcrop for coal resource exploration. <i>Acta Geophysica</i> , 2019, 67, 95-107.	2.0	2
12	Transient Electromagnetic Response With a Ramp Current Excitation Using Conical Source. <i>IEEE Access</i> , 2019, 7, 63829-63836.	4.2	5
13	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
14	An inversion of transient electromagnetic data from a conical source. <i>Applied Geophysics</i> , 2018, 15, 545-555.	0.6	9
15	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
16	Mine Size Effects on Coal Pillar Stress and Their Application for Partial Extraction. <i>Sustainability</i> , 2018, 10, 792.	3.2	15
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	The thermodynamic properties variation of cemented clay after treatment at high temperatures. Construction and Building Materials, 2018, 182, 523-529.	7.2	6
20	Subsidence Mechanism and Stability Assessment Methods for Partial Extraction Mines for Sustainable Development of Mining Cities—A Review. Sustainability, 2018, 10, 113.	3.2	28
21	Experimental investigation on dynamic characterization and seismic control performance of a TLPD system. Structural Design of Tall and Special Buildings, 2017, 26, e1350.	1.9	39
22	A framework for holistic designs of power line systems based on lessons learned from Super Typhoon Haiyan. Sustainable Cities and Society, 2017, 35, 350-364.	10.4	11
23	Integrated distributed fiber optic sensing technology-based structural monitoring of the pound lock. Structural Control and Health Monitoring, 2017, 24, e1954.	4.0	19
24	Evaluation of residual strength and durability aspect of concrete cube exposed to elevated temperature. Journal of Sustainable Cement-Based Materials, 2017, 6, 231-253.	3.1	10
25	An Energy Demodulation Based Fiber Optic Sensing System for Landslide Early-Warning. Applied Sciences (Switzerland), 2017, 7, 699.	2.5	1
26	Long-Term Stability Evaluation and Pillar Design Criterion for Room-and-Pillar Mines. Energies, 2017, 10, 1644.	3.1	25
27	Ash pond erosion process monitoring using LiDAR scans. Japanese Geotechnical Society Special Publication, 2016, 2, 1051-1055.	0.2	0
28	Remote sensing techniques for geo-problem applications. Japanese Geotechnical Society Special Publication, 2016, 2, 207-211.	0.2	1
29	Observations and Modeling of Coastal Boulder Transport and Loading During Super Typhoon Haiyan. Coastal Engineering Journal, 2016, 58, 1640004-1-1640004-25.	1.9	53
30	Comparative study of bridge management programmes and practices in the USA and China. Structure and Infrastructure Engineering, 2014, 10, 577-588.	3.7	14
31	Reliability analysis of bridge evaluations based on 3D Light Detection and Ranging data. Structural Control and Health Monitoring, 2013, 20, 1397-1409.	4.0	28
32	Forensic engineering education reform. Proceedings of the Institution of Civil Engineers: Forensic Engineering, 2013, 166, 9-16.	0.5	5
33	Bridge Clearance Evaluation Based on Terrestrial LiDAR Scan. Journal of Performance of Constructed Facilities, 2012, 26, 469-477.	2.0	32
34	The Challenges of Reusing Mining and Mineral-Processing Wastes. Science, 2012, 337, 702-703.	12.6	300
35	Modal Characteristics of Two Operating Power Transmission Poles. Shock and Vibration, 2010, 17, 551-561.	0.6	7
36	Axial and transverse characterizations of ceramic candle filters. Fuel, 2008, 87, 2807-2816.	6.4	2

#	ARTICLE	IF	CITATIONS
37	Compaction's Impacts on Urban Storm-Water Infiltration. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2008, 134, 652-658.	1.0	125
38	Nondestructive Quality Assurance of Ceramic Filters Using Noncontact Dynamic Characterization. <i>Journal of Nondestructive Evaluation</i> , 2005, 24, 55-66.	2.4	1