Chenming Zhou

List of Publications by Year
in descending order

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19 papers	210 citations	1307594 7 h-index	1199594 12 g-index
19 all docs	19 docs citations	19 times ranked	171 citing authors

#	Article	IF	Citations
1	RF Propagation in Mines and Tunnels: Extensive measurements for vertically, horizontally, and cross-polarized signals in mines and tunnels. IEEE Antennas and Propagation Magazine, 2015, 57, 88-102.	1.4	40
2	The Equivalence of the Ray Tracing and Modal Methods for Modeling Radio Propagation in Lossy Rectangular Tunnels. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 615-618.	4.0	32
3	Ray Tracing and Modal Methods for Modeling Radio Propagation in Tunnels With Rough Walls. IEEE Transactions on Antennas and Propagation, 2017, 65, 2624-2634.	5.1	30
4	ATTENUATION CONSTANTS OF RADIO WAVES IN LOSSY-WALLED RECTANGULAR WAVEGUIDES. Progress in Electromagnetics Research, 2013, 142, 75-105.	4.4	24
5	Modeling and Measurement of Radio Propagation in Tunnel Environments. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1431-1434.	4.0	18
6	An FMM-FFT Accelerated SIE Simulator for Analyzing EM Wave Propagation in Mine Environments Loaded With Conductors. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2018, 3, 3-15.	2.2	13
7	Simulation and Measurement of Through-the-Earth, Extremely Low-Frequency Signals Using Copper-Clad Steel Ground Rods. IEEE Transactions on Industry Applications, 2017, 53, 5088-5095.	4.9	11
8	Mathematical modeling and measurement of electric fields of electrode-based through-the-earth (TTE) communication. Radio Science, 2017, 52, 731-742.	1.6	9
9	Simulation and Measurement of Medium-Frequency Signals Coupling From a Line to a Loop Antenna. IEEE Transactions on Industry Applications, 2016, 52, 3527-3534.	4.9	5
10	Modeling and measurement of the influence of antenna transversal location on tunnel propagation. , 2015, , .		4
11	Simulation and measurement of through-the-earth (TTE), extremely low-frequency signals using copper-clad, steel ground rods. , 2016, , .		4
12	TIME DOMAIN AND FREQUENCY DOMAIN DETERMINISTIC CHANNEL MODELING FOR TUNNEL/MINING ENVIRONMENTS. Progress in Electromagnetics Research C, 2017, 79, 209-223.	0.9	4
13	Wireless Channel and Electromagnetic Environments for Through-the-earth (TTE) Communications in an Underground Coal Mine. , 2021, , .		4
14	E-fields of electrode-based through-the-earth (TTE) communication. , 2016, , .		3
15	An Overview of Existing EMI Standards Applicable to Mining. Mining, Metallurgy and Exploration, 2022, 39, 77-88.	0.8	3
16	Electromagnetic Interference (EMI) In Underground Coal Mines: a Literature Review and Practical Considerations. Mining, Metallurgy and Exploration, 2022, 39, 421-431.	0.8	3
17	Influence of Trailing Cables on Magnetic Proximity Detection Systems. Mining, Metallurgy and Exploration, 2019, 36, 277-284.	0.8	2
18	An Experimental Study of Magnetic Field Coupling from Proximity Detection Systems to Trailing Cables. , 2019, , .		1

#	Article	IF	Citations
19	Simulation and Measurement of the Magnetic Field Coupling from a Proximity Detection System to Trailing Cables. IEEE Transactions on Industry Applications, 2020, , 1-1.	4.9	0