Gang Zhou

List of Publications by Year
in descending order

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171 papers	6,191 citations	66343 42 h-index	91884 69 g-index
171 all docs	171 docs citations	171 times ranked	4414 citing authors

#	Article	IF	Citations
1	HMOG: New Behavioral Biometric Features for Continuous Authentication of Smartphone Users. IEEE Transactions on Information Forensics and Security, 2016, 11, 877-892.	6.9	275
2	Half-metallic carbon nitride nanosheets with micro grid mode resonance structure for efficient photocatalytic hydrogen evolution. Nature Communications, 2018, 9, 3366.	12.8	219
3	SignFi. , 2018, 2, 1-21.		217
4	The diffusion behavior law of respirable dust at fully mechanized caving face in coal mine: CFD numerical simulation and engineering application. Chemical Engineering Research and Design, 2017, 106, 117-128.	5.6	193
5	Preparation and characterization of a wetting-agglomeration-based hybrid coal dust suppressant. Chemical Engineering Research and Design, 2018, 113, 282-291.	5.6	171
6	Diffuse pollution characteristics of respirable dust in fully-mechanized mining face under various velocities based on CFD investigation. Journal of Cleaner Production, 2018, 184, 239-250.	9.3	153
7	Experimental analysis of the pore structure and fractal characteristics of different metamorphic coal based on mercury intrusionâ€nitrogen adsorption porosimetry. Powder Technology, 2020, 362, 386-398.	4.2	139
8	Photoinduced semiconductor-metal transition in ultrathin troilite FeS nanosheets to trigger efficient hydrogen evolution. Nature Communications, 2019, 10, 399.	12.8	133
9	Photogenerated Carriers Transfer in Dyeâ€“Grapheneâ€“SnO₂ Composites for Highly Efficient Visible-Light Photocatalysis. ACS Applied Materials & Interfaces, 2014, 6, 613-621.	8.0	122
10	Preparation and characteristics of a multifunctional dust suppressant with agglomeration and wettability performance used in coal mine. Chemical Engineering Research and Design, 2018, 132, 729-742.	5.6	117
11	Experimental study on modification of physicochemical characteristics of acidified coal by surfactants and ionic liquids. Fuel, 2020, 266, 116966.	6.4	116
12	Hydroxyl decorated g-C3N4 nanoparticles with narrowed bandgap for high efficient photocatalyst design. Applied Catalysis B: Environmental, 2019, 244, 262-271.	20.2	109
13	Molecular dynamics simulation and experimental characterization of anionic surfactant: Influence on wettability of low-rank coal. Fuel, 2020, 279, 118323.	6.4	106
14	Dust removal effect of negatively-pressured spraying collector for advancing support in fully mechanized coal mining face: Numerical simulation and engineering application. Tunnelling and Underground Space Technology, 2020, 95, 103149.	6.2	105
15	High-efficiency hydrogen evolution from seawater using hetero-structured T/Td phase ReS2 nanosheets with cationic vacancies. Nano Energy, 2019, 55, 42-48.	16.0	102
16	Preparation and characterization of an agglomeration-cementing agent for dust suppression in open pit coal mining. Cellulose, 2018, 25, 4011-4029.	4.9	101
17	Synthesis and characteristics of fire extinguishing gel with high water absorption for coal mines. Chemical Engineering Research and Design, 2019, 125, 207-218.	5.6	101
18	Experimental characterization of multi-nozzle atomization interference for dust reduction between hydraulic supports at a fully mechanized coal mining face. Environmental Science and Pollution Research, 2019, 26, 10023-10036.	5.3	100

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19	Synthesis and Performance of a Novel High-Efficiency Coal Dust Suppressant Based on Self-Healing Gel. Environmental Science & Technology, 2020, 54, 7992-8000.	10.0	96
20	Synthesis and performance characteristics of a new ecofriendly crust-dust suppressant extracted from waste paper for surface mines. Journal of Cleaner Production, 2020, 258, 120620.	9.3	92
21	Preparation and performance characteristics of an environmentally-friendly agglomerant to improve the dry dust removal effect for filter material. Journal of Hazardous Materials, 2020, 397, 122734.	12.4	92
22	Electrospun nanofibers for personal protection in mines. Chemical Engineering Journal, 2021, 404, 126558.	12.7	80
23	Using Data Augmentation in Continuous Authentication on Smartphones. IEEE Internet of Things Journal, 2019, 6, 628-640.	8.7	78
24	Wellâ€“Steered Chargeâ€“Carrier Transfer in 3D Branched CuxO/ZnO@Au Heterostructures for Efficient Photocatalytic Hydrogen Evolution. ACS Applied Materials & Interfaces, 2015, 7, 26819-26827.	8.0	77
25	Electric Strain in Dual Metal Janus Nanosheets Induces Structural Phase Transition for Efficient Hydrogen Evolution. Joule, 2019, 3, 2955-2967.	24.0	75
26	Continuous Authentication With Touch Behavioral Biometrics and Voice on Wearable Glasses. IEEE Transactions on Human-Machine Systems, 2017, 47, 404-416.	3.5	72
27	Micromechanism of coal dust wettability and its effect on the selection and development of dust suppressants. Chemical Engineering Research and Design, 2017, 111, 726-732.	5.6	71
28	The diffusion and pollution mechanisms of airborne dusts in fully-mechanized excavation face at mesoscopic scale based on CFD-DEM. Chemical Engineering Research and Design, 2016, 104, 240-253.	5.6	70
29	Effects of Oxygen Element and Oxygen-Containing Functional Groups on Surface Wettability of Coal Dust with Various Metamorphic Degrees Based on XPS Experiment. Journal of Analytical Methods in Chemistry, 2015, 2015, 1-8.	1.6	69
30	Dual-metal-driven Selective Pathway of Nitrogen Reduction in Orderly Atomic-hybridized Re₂MnS₆ Ultrathin Nanosheets. Nano Letters, 2020, 20, 4960-4967.	9.1	69
31	Experimental synthesis and performance comparison analysis of high-efficiency wetting enhancers for coal seam water injection. Chemical Engineering Research and Design, 2021, 147, 320-333.	5.6	64
32	Numerical simulations on airflow-dust diffusion rules with the use of coal cutter dust removal fans and related engineering applications in a fully-mechanized coal mining face. Powder Technology, 2018, 339, 354-367.	4.2	60
33	Vertically aligned MoS₂/MoO_x heterojunction nanosheets for enhanced visible-light photocatalytic activity and photostability. CrystEngComm, 2014, 16, 9025-9032.	2.6	58
34	Highly Fluorescent and Stable Black Phosphorus Quantum Dots in Water. Small, 2018, 14, e1803132.	10.0	58
35	Simulation analysis and engineering application of distribution characteristics about multi-stage atomization field for cutting dust in fully mechanized mining face. Advanced Powder Technology, 2019, 30, 2600-2615.	4.1	58
36	Enriching Photoelectrons via Three Transition Channels in Amino-Conjugated Carbon Quantum Dots to Boost Photocatalytic Hydrogen Generation. ACS Applied Materials & Interfaces, 2016, 8, 14118-14124.	8.0	57

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37	Synthesis and Characterization of a Multifunctional Sustained-Release Organicâ€“Inorganic Hybrid Microcapsule with Self-Healing and Flame-Retardancy Properties. ACS Applied Materials & Interfaces, 2021, 13, 15668-15679.	8.0	57
38	Quasi-one-dimensional Mo chains for efficient hydrogen evolution reaction. Nano Energy, 2019, 61, 194-200.	16.0	55
39	Synthesis and self-healing properties of composite microcapsule based on sodium alginate/melamine-phenolâ€“formaldehyde resin. Construction and Building Materials, 2021, 271, 121541.	7.2	55
40	Synthesis and performance characterization of a novel wetting cementing agent for dust control during conveyor transport in coal mines. Powder Technology, 2020, 360, 165-176.	4.2	54
41	Interface Band Engineering Charge Transfer for 3D MoS₂ Photoanode to Boost Photoelectrochemical Water Splitting. ACS Sustainable Chemistry and Engineering, 2017, 5, 3829-3836.	6.7	51
42	Using Feature Fusion Strategies in Continuous Authentication on Smartphones. IEEE Internet Computing, 2020, 24, 49-56.	3.3	49
43	Constructing Zn-P charge transfer bridge over ZnFe2O4-black phosphorus 3D microcavity structure: Efficient photocatalyst design in visible-near-infrared region. Journal of Colloid and Interface Science, 2021, 600, 463-472.	9.4	49
44	Towards Stable Network Performance in Wireless Sensor Networks. , 2009, , .		43
45	On Inferring Browsing Activity on Smartphones via USB Power Analysis Side-Channel. IEEE Transactions on Information Forensics and Security, 2017, 12, 1056-1066.	6.9	42
46	Preparation and performance characterization of a composite dust suppressant for preventing secondary dust in underground mine roadways. Chemical Engineering Research and Design, 2020, 156, 195-208.	5.6	41
47	Microwetting dynamic behavior and mechanism for coal dust based on low field NMR methodâ€”A case study. Fuel, 2021, 297, 120702.	6.4	41
48	New rate-decline forecast approach for low-permeability gas reservoirs with hydraulic fracturing treatments. Journal of Petroleum Science and Engineering, 2020, 190, 107112.	4.2	40
49	Numerical simulation investigation on optimal dust-exhausting airflow volume in fully mechanized caving face of high-gas coal mine. Chemical Engineering Research and Design, 2021, 146, 853-866.	5.6	40
50	Communication Energy Modeling and Optimization through Joint Packet Size Analysis of BSN and WiFi Networks. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 1741-1751.	5.6	39
51	The development and characterization of a novel coagulant for dust suppression in open-cast coal mines. Adsorption Science and Technology, 2018, 36, 608-624.	3.2	39
52	Characterization of Coal Micro-Pore Structure and Simulation on the Seepage Rules of Low-Pressure Water Based on CT Scanning Data. Minerals (Basel, Switzerland), 2016, 6, 78.	2.0	37
53	Risk evaluation and analysis of a gas tank explosion based on a vapor cloud explosion model: A case study. Engineering Failure Analysis, 2019, 101, 22-35.	4.0	35
54	Promoting carrier separation efficiently by macroscopic polarization charges and interfacial modulation for photocatalysis. Chemical Engineering Journal, 2021, 410, 128393.	12.7	35

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55	Toward Sensor-Based Random Number Generation for Mobile and IoT Devices. IEEE Internet of Things Journal, 2016, 3, 1189-1201.	8.7	34
56	Sensor-Based Continuous Authentication Using Cost-Effective Kernel Ridge Regression. IEEE Access, 2018, 6, 32554-32565.	4.2	34
57	Preparation and chemical characterization of an environmentallyâ€friendly coal dust cementing agent. Journal of Chemical Technology and Biotechnology, 2017, 92, 2699-2708.	3.2	33
58	Analysis of the microscopic mechanism of coal wettability evolution in different metamorphic states based on NMR and XPS experiments. RSC Advances, 2017, 7, 47954-47965.	3.6	33
59	Dispersedly embedded loading of Fe₃O₄nanoparticles into graphene nanosheets for highly efficient and recyclable removal of heavy metal ions. New Journal of Chemistry, 2015, 39, 7355-7362.	2.8	30
60	Parallel Hash function construction based on chaotic maps with changeable parameters. Neural Computing and Applications, 2011, 20, 1305-1312.	5.6	29
61	Experimental investigation on combined modification for micro physicochemical characteristics of coal by compound reagents and liquid nitrogen freeze-thaw cycle. Fuel, 2021, 292, 120287.	6.4	29
62	Synthesis and Properties of a Conglomerationâ€“Wetting Spray Agent for Dust Suppression. Industrial & Engineering Chemistry Research, 2018, 57, 13940-13951.	3.7	28
63	RadioSense: Exploiting Wireless Communication Patterns for Body Sensor Network Activity Recognition. , 2012, , .		27
64	A Software-Based Sonar Ranging Sensor for Smart Phones. IEEE Internet of Things Journal, 2015, 2, 479-489.	8.7	27
65	CFD investigation on dust dispersion pollution of down/upwind coal cutting and relevant countermeasures for spraying dustfall in fully mechanized mining face. Advanced Powder Technology, 2020, 31, 3177-3190.	4.1	27
66	Self-assembled 3D ACFâ€“rGOâ€“TiO2 composite as efficient and recyclable spongy adsorbent for organic dye removal. Materials and Design, 2015, 83, 522-527.	7.0	26
67	Enhancing catalytic activity of tungsten disulfide through topology. Applied Catalysis B: Environmental, 2019, 256, 117802.	20.2	26
68	Numerical simulation and engineering application of multistage atomization dustfall at a fully mechanized excavation face. Tunnelling and Underground Space Technology, 2020, 104, 103540.	6.2	26
69	Study on wetting behavior between CTAC and BS-12 with gas coal based on molecular dynamics simulation. Journal of Molecular Liquids, 2022, 357, 118996.	4.9	26
70	Watchdog: Confident Event Detection in Heterogeneous Sensor Networks. , 2010, , .		25
71	Preparation of composite high-efficiency dust suppressant and relevant molecular dynamics simulation for wetting coal surface. Fuel, 2021, 296, 120579.	6.4	25
72	Bimetallic-atom-hybridization-driven catalytic reaction kinetics and solar utilization to accelerate norfloxacin degradation. Applied Catalysis B: Environmental, 2021, 298, 120525.	20.2	25

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73	Efficient photon harvesting and charge collection in 3D porous RGO-TiO2 photoanode for solar water splitting. Materials and Design, 2016, 101, 95-101.	7.0	24
74	Constructing n-ZnO@Au heterogeneous nanorod arrays on p-Si substrate as efficient photocathode for water splitting. Nanotechnology, 2016, 27, 305403.	2.6	24
75	Synthesis and characteristic analysis of coal dust explosion suppressant based on surface modification of ammonium dihydrogen phosphate with methyl hydrogen-containing silicone oil. Journal of Loss Prevention in the Process Industries, 2020, 64, 104059.	3.3	24
76	Two-dimensional ZnO ultrathin nanosheets decorated with Au nanoparticles for effective photocatalysis. Journal of Applied Physics, 2016, 120, .	2.5	23
77	Towards an EEG-based brain-computer interface for online robot control. Multimedia Tools and Applications, 2016, 75, 7999-8017.	3.9	23
78	Preparation and performance analysis of bisamido-based cationic surfactant fracturing fluid for coal seam water injection. Journal of Molecular Liquids, 2021, 332, 115806.	4.9	23
79	Explosion characteristics and chemical kinetics of blended LPG/DME clean fuel based on pyrolysis and oxidation mechanism model. Fuel, 2022, 320, 123896.	6.4	23
80	Self-assembly optimization of cadmium/molybdenum sulfide hybrids by cation coordination competition toward extraordinarily efficient photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2018, 6, 18396-18402.	10.3	22
81	Pedestrian walking safety system based on smartphone builtâ€in sensors. IET Communications, 2018, 12, 751-758.	2.2	21
82	Experimental investigation on physicochemical characteristics of coal treated with synthetic sodium salicylateâ€“imidazole ionic liquids. Journal of Molecular Liquids, 2021, 327, 114822.	4.9	21
83	Design of pulse cleaning device for single-filter cartridge dust collector by multi-factor orthogonal method based numerical simulation. Powder Technology, 2021, 391, 494-509.	4.2	21
84	CNNAuth: Continuous Authentication via Two-Stream Convolutional Neural Networks. , 2018, , .		20
85	Charged excited state induced by ultrathin nanotip drives highly efficient hydrogen evolution. Applied Catalysis B: Environmental, 2020, 262, 118305.	20.2	20
86	BodyT2: Throughput and time delay performance assurance for heterogeneous BSNs. , 2011, , .		18
87	A Model of Lignite Macromolecular Structures and Its Effect on the Wettability of Coal: A Case Study. Energy & Fuels, 2017, 31, 13834-13841.	5.1	18
88	CFD comparative analysis on the pollution characteristics of coal dust under turbulent airflow from coal cutting in the fully mechanized mining face. Chemical Engineering Research and Design, 2021, 146, 515-530.	5.6	18
89	Preparation and characterization of magnetic modified bone charcoal for removing Cu2+ ions from industrial and mining wastewater. Journal of Environmental Management, 2021, 297, 113221.	7.8	18
90	CFD simulation of multi-phase and multi-component diffusion of air-dust-gas in a fully mechanized mining face. Environmental Science and Pollution Research, 2021, 28, 18260-18275.	5.3	17

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91	Influence Mechanism of Surfactants on Wettability of Coal with Different Metamorphic Degrees Based on Infrared Spectrum Experiments. ACS Omega, 2021, 6, 22248-22258.	3.5	17
92	Sidewinder: A Predictive Data Forwarding Protocol for Mobile Wireless Sensor Networks. , 2009, , .		16
93	Numerical analysis on spatial distribution for concentration and particle size of particulate pollutants in dust environment at fully mechanized coal mining face. Powder Technology, 2021, 383, 143-158.	4.2	16
94	Synthesis and characterization of water injection fracturing fluid for wetting and softening coal seam. International Journal of Rock Mechanics and Minings Sciences, 2022, 150, 105024.	5.8	16
95	Synthesis and characteristics of a novel dust suppressant with good weatherability for controlling dust in open coal yards. Environmental Science and Pollution Research, 2020, 27, 19327-19339.	5.3	15
96	Numerical simulation investigation for the pollution characteristics of dust particles in the fully mechanized mining face under different air humidity conditions. Journal of Environmental Chemical Engineering, 2021, 9, 106861.	6.7	15
97	AdaSynch: A General Adaptive Clock Synchronization Scheme Based on Kalman Filter for WSNs. Wireless Personal Communications, 2012, 63, 217-239.	2.7	14
98	AdaSense: Adapting sampling rates for activity recognition in Body Sensor Networks. , 2013, , .		14
99	A Light-Weight Opportunistic Forwarding Protocol with Optimized Preamble Length for Low-Duty-Cycle Wireless Sensor Networks. Journal of Computer Science and Technology, 2017, 32, 168-180.	1.5	14
100	Synthesis and CO2 adsorption performance of TEPA-loaded cellulose whisker/silica composite aerogel. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 631, 127675.	4.7	14
101	Preparation and micro-wetting mechanism analysis of highly permeable-moistening additive for coal seam water injection based on plant extraction technology. Fuel, 2022, 322, 124125.	6.4	14
102	ACR: Active Collision Recovery in Dense Wireless Sensor Networks. , 2010, , .		13
103	Bimetal Networked Nanosheets Co x Ni 3â˜x S 2 as An Efficient Electrocatalyst for Hydrogen Evolution. ChemCatChem, 2020, 12, 609-614.	3.7	13
104	Synthesis and performance of a new temperature-sensitive and super-absorbent fire prevention hydrogel based on ultrasonic method. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 640, 128399.	4.7	13
105	USB side-channel attack on Tor. Computer Networks, 2018, 141, 57-66.	5.1	12
106	Numerical simulation and application of entrainment dust collector for fully mechanized mining support based on orthogonal test method. Powder Technology, 2021, 380, 553-566.	4.2	12
107	CFD investigation on gasâ€“solid two-phase flow of dust removal characteristics for cartridge filter: a case study. Environmental Science and Pollution Research, 2021, 28, 13243-13263.	5.3	12
108	Numerical analysis of dust pollution evolution law caused by ascensional/descensional ventilation in fully mechanized coal mining face based on DPM-DEM model. Journal of Environmental Chemical Engineering, 2022, 10, 107732.	6.7	12

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109	SAS: Self-Adaptive Spectrum Management for Wireless Sensor Networks. , 2009, , .		11
110	Improvement and performance analysis of a novel hash function based on chaotic neural network. Neural Computing and Applications, 2013, 22, 391-402.	5.6	11
111	Determining driver phone use leveraging smartphone sensors. Multimedia Tools and Applications, 2016, 75, 16959-16981.	3.9	11
112	Spray Structure and Characteristics of a Pressure-Swirl Dust Suppression Nozzle Using a Phase Doppler Particle Analyze. Processes, 2020, 8, 1127.	2.8	11
113	Numerical study of the effect of geometric parameters on the internal flow of a pressure nozzle for dustfall. Advanced Powder Technology, 2021, 32, 1561-1572.	4.1	11
114	ZnO quantum dots arranged by hole scavenger groups for enhanced and stable photocatalyic hydrogen generation. Materials Letters, 2016, 165, 196-199.	2.6	10
115	Designing CuO/ZnO nanoforest device toward optimal photocatalytic performance through structure and facet engineering. Materials Letters, 2020, 273, 127907.	2.6	10
116	CNN-Based Continuous Authentication on Smartphones With Conditional Wasserstein Generative Adversarial Network. IEEE Internet of Things Journal, 2022, 9, 5447-5460.	8.7	10
117	Preparation and characteristics analysis of an ecoenvironmental protection cyclic solidification dust-fixing agent extracted from waste shrimp shells to suppress dust in coal resource-based cities. Journal of Environmental Management, 2021, 296, 113224.	7.8	10
118	Experimental investigation for effect of multicomponent inorganic-organic acid solution on pore structure of lignite. Powder Technology, 2021, 392, 503-513.	4.2	10
119	Preparation and performance analysis of dopamine hydrochloride functionalized E-51@MPF/SiO2 double-wall microcapsules for microcracks self-healing in cement-based materials. Construction and Building Materials, 2022, 325, 126622.	7.2	10
120	Unleashing exposed terminals in enterprise WLANs: A rate adaptation approach. , 2014, , .		9
121	Gesture-Enabled Remote Control for Healthcare. , 2017, , .		9
122	Experimental investigation on wetting mechanism for coal dust with different metamorphic degree based on infrared spectrum and ¹³Cå€NMR. Surface and Interface Analysis, 2020, 52, 470-485.	1.8	9
123	Numerical analysis on pollution law for dust and diesel exhaust particles in multi-ventilation parameter environment of mechanized excavation face. Chemical Engineering Research and Design, 2022, 157, 320-333.	5.6	9
124	Experimental study and analysis on physicochemical properties of coal treated with clean fracturing fluid for coal seam water injection. Journal of Industrial and Engineering Chemistry, 2022, 108, 356-365.	5.8	9
125	Energy modeling and optimization through joint packet size analysis of BSN and WiFi networks. , 2011, , .		8
126	Throughput Assurance for Multiple Body Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 546-557.	5.6	8

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127	Role of Metal Oxides in Cu-Based Catalysts with NaBH4 Reduction for the Synthesis of Methanol from CO2/H2. Catalysis Letters, 2021, 151, 1091-1101.	2.6	8
128	CFD numerical simulation on diffusion and distribution of diesel exhaust particulates in coal mine heading face. Advanced Powder Technology, 2021, 32, 3660-3671.	4.1	8
129	Self-assembled Bi2SeO5/rGO/MIL-88A Z-scheme heterojunction boosting carrier separation for simultaneous removal of Cr (VI) and chloramphenicol. Chemical Engineering Journal, 2022, 431, 133289.	12.7	8
130	Oxygen-defect-dependent ferromagnetism and strain modulation in free-standing two-dimensional TiO₂ monolayers. Physical Chemistry Chemical Physics, 2018, 20, 27176-27184.	2.8	7
131	MEG: Memory and Energy Efficient Garbled Circuit Evaluation on Smartphones. IEEE Transactions on Information Forensics and Security, 2019, 14, 913-922.	6.9	7
132	Experimental investigation on highly efficient collection and cleaning for fine coal dust particles by dry-wet mixed chemical method. Journal of Environmental Chemical Engineering, 2021, 9, 105861.	6.7	7
133	TremorSense: Tremor Detection for Parkinson's Disease Using Convolutional Neural Network. , 2021, , .		7
134	Research on the wetting mechanism of coal dust by different surfactants: combination of experimental characterization and molecular dynamics simulation. Environmental Science and Pollution Research, 2022, 29, 74895-74908.	5.3	7
135	Simulation study on gas-bearing dust and its application combined with air curtain in development heading, a case study. Chemical Engineering Research and Design, 2022, 163, 601-612.	5.6	7
136	Experimental study on droplet breakup and droplet particles diffusion of a pressure nozzle based on PIV. Chemical Engineering Science, 2022, 258, 117737.	3.8	7
137	Adaptive Deep Feature Fusion for Continuous Authentication With Data Augmentation. IEEE Transactions on Mobile Computing, 2023, 22, 5690-5705.	5.8	7
138	A Measurement-Based Prioritization Scheme for Smartphone Applications. Wireless Personal Communications, 2014, 78, 333-346.	2.7	6
139	Energy optimization for mobile video streaming via an aggregate model. Multimedia Tools and Applications, 2017, 76, 20781-20797.	3.9	6
140	Numerical Simulations on the Low-Pressure Water-Injection-Induced Seepage Rules of Coal with Pre-existing Plane/Surface Fractures. Geotechnical and Geological Engineering, 2019, 37, 3283-3297.	1.7	6
141	Lightâ€Controlled Ferromagnetism in Porphyrin Functionalized Ultrathin FeS Nanosheets. Advanced Optical Materials, 2020, 8, 2000046.	7.3	6
142	Synthesis and performance analysis of a mesoporous polydopamine-functionalized magnetic microcapsule adsorbent in water treatment. Journal of Water Process Engineering, 2022, 48, 102894.	5.6	6
143	Synthesis and Properties of a Reinforcing Dust-Cementing Material for Thin Spray-On Liners in Mine Roadways. Advances in Materials Science and Engineering, 2019, 2019, 1-12.	1.8	5
144	Preparation and performance of a composite gel as a dust suppressant for coal transportation and storage. Journal of Applied Polymer Science, 2019, 136, 47819.	2.6	5

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145	DeFFusion: CNN-based Continuous Authentication Using Deep Feature Fusion. ACM Transactions on Sensor Networks, 2022, 18, 1-20.	3.6	5
146	Synthesis and performance characteristics of organic-inorganic hybrid fire prevention and extinguishing gel based on phytoextraction-medical stone. Construction and Building Materials, 2021, 312, 125310.	7.2	5
147	Performance Analysis of Group Based Detection for Sparse Sensor Networks. , 2008, , .		4
148	An adaptive backoff algorithm for multi-channel CSMA in wireless sensor networks. Neural Computing and Applications, 2014, 25, 1845-1851.	5.6	4
149	An energyâ€efficient framework for ubiquitous phone access. International Journal of Communication Systems, 2016, 29, 1896-1906.	2.5	4
150	EliMO: Eliminating Channel Feedback from MIMO. , 2017, , .		4
151	Simulation Analysis on Waterâ€™s Micro Seepage Laws under Different Pressure Gradients Using Computed Tomography Method. Advances in Civil Engineering, 2018, 2018, 1-26.	0.7	4
152	Simulations on the micro-seepage rules of gas and water based on micro-CT/CFD and the related contrastive analysis. Arabian Journal of Geosciences, 2019, 12, 1.	1.3	4
153	Synthesis and Performance Analysis of New Hybrid Polymer Gel Based on Carboxymethyl Cellulose for Preventing Spontaneous Coal Combustion. ChemistrySelect, 2021, 6, 6661-6670.	1.5	4
154	Study on temporal and spatial evolution law for dust pollution in double roadway ventilation system of short wall continuous mining face. Environmental Science and Pollution Research, 2022, 29, 34419-34436.	5.3	4
155	Synthesis and properties of a fire-retardant coating based on intercalated expandable graphite-modified cellulose for steel structures. Journal of Building Engineering, 2022, 51, 104270.	3.4	4
156	Preparation and characterization of modified dual network dust suppression gel based on sodium alginate and soluble starch. Environmental Science and Pollution Research, 2022, 29, 69771-69784.	5.3	4
157	Towards Energy Optimization Using Joint Data Rate Adaptation for BSN and WiFi Networks. , 2012, , .		3
158	Discrete-time Markov Model for Wireless Link Burstiness Simulations. Wireless Personal Communications, 2013, 72, 987-1004.	2.7	3
159	A Theoretical Analysis of Path Loss Based Activity Recognition. , 2014, , .		3
160	Improving Web Performance in Home Broadband Access Networks. Wireless Personal Communications, 2017, 92, 925-940.	2.7	3
161	RoFi: Rotation-Aware WiFi Channel Feedback. IEEE Internet of Things Journal, 2017, 4, 1684-1695.	8.7	3
162	A Self-Adaptive Spectrum Management Middleware for Wireless Sensor Networks. Wireless Personal Communications, 2013, 68, 131-151.	2.7	2

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163	Correction to Photogenerated Carriers Transfer in Dyeâ€“Grapheneâ€“SnO₂ Composites for Highly Efficient Visible-Light Photocatalysis. ACS Applied Materials & Interfaces, 2014, 6, 6990-6990.	8.0	2
164	A Smartphone Compatible SONAR Ranging Attachment for 2-D Mapping. IEEE Internet of Things Journal, 2016, 3, 779-786.	8.7	2
165	Numerical Simulation Investigation for Stress Deformation and Water Injection Seepage of Coal Microstructure under Uniaxial Compression. Journal of Energy Engineering - ASCE, 2021, 147, .	1.9	2
166	The effects of filter characteristics of single-filter cartridge on dust removal performance with simulation and experimental analysis. Environmental Science and Pollution Research, 2022, 29, 67875-67893.	5.3	2
167	Continuous Location Dependent Queries in Mobile Wireless Sensor Networks. Wireless Personal Communications, 2013, 68, 153-173.	2.7	1
168	HIDE: AP-Assisted Broadcast Traffic Management to Save Smartphone Energy. , 2016, , .		1
169	Dual-Structure PVDF/SDS Nanofibrous Membranes for Highly Efficient Personal Protection in Mines. Membranes, 2022, 12, 482.	3.0	1
170	CADET: Investigating a Collaborative and Distributed Entropy Transfer Protocol. , 2018, , .		0
171	Study on 3D spatial characterization analysis and water injection seepage numerical simulation of coal micro-pore/fracture. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-15.	2.3	0