

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	Adaptive Deep Feature Fusion for Continuous Authentication With Data Augmentation. IEEE Transactions on Mobile Computing, 2023, 22, 5690-5705.	5.8	7
2	CNN-Based Continuous Authentication on Smartphones With Conditional Wasserstein Generative Adversarial Network. IEEE Internet of Things Journal, 2022, 9, 5447-5460.	8.7	10
3	DeFFusion: CNN-based Continuous Authentication Using Deep Feature Fusion. ACM Transactions on Sensor Networks, 2022, 18, 1-20.	3.6	5
4	Self-assembled Bi ₂ SeO ₅ /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
5	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
6	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
7	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
8	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
9	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
10	Preparation and performance analysis of dopamine hydrochloride functionalized E-51@MPF/SiO ₂ double-wall microcapsules for microcracks self-healing in cement-based materials. Construction and Building Materials, 2022, 325, 126622.	7.2	10
11	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
12	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
13	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
14	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
15	Dual-Structure PVDF/SDS Nanofibrous Membranes for Highly Efficient Personal Protection in Mines. Membranes, 2022, 12, 482.	3.0	1
16	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
17	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
18	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

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19	Research on the wetting mechanism of coal dust by different surfactants: combination of experimental characterization and molecular dynamics simulation. <i>Environmental Science and Pollution Research</i> , 2022, 29, 74895-74908.	5.3	7
20	Simulation study on gas-bearing dust and its application combined with air curtain in development heading, a case study. <i>Chemical Engineering Research and Design</i> , 2022, 163, 601-612.	5.6	7
21	Experimental study on droplet breakup and droplet particles diffusion of a pressure nozzle based on PIV. <i>Chemical Engineering Science</i> , 2022, 258, 117737.	3.8	7
22	Synthesis and performance analysis of a mesoporous polydopamine-functionalized magnetic microcapsule adsorbent in water treatment. <i>Journal of Water Process Engineering</i> , 2022, 48, 102894.	5.6	6
23	Numerical simulation and application of entrainment dust collector for fully mechanized mining support based on orthogonal test method. <i>Powder Technology</i> , 2021, 380, 553-566.	4.2	12
24	Electrospun nanofibers for personal protection in mines. <i>Chemical Engineering Journal</i> , 2021, 404, 126558.	12.7	80
25	Synthesis and self-healing properties of composite microcapsule based on sodium alginate/melamine-phenol-formaldehyde resin. <i>Construction and Building Materials</i> , 2021, 271, 121541.	7.2	55
26	Numerical simulation investigation on optimal dust-exhausting airflow volume in fully mechanized caving face of high-gas coal mine. <i>Chemical Engineering Research and Design</i> , 2021, 146, 853-866.	5.6	40
27	CFD investigation on gas-solid two-phase flow of dust removal characteristics for cartridge filter: a case study. <i>Environmental Science and Pollution Research</i> , 2021, 28, 13243-13263.	5.3	12
28	CFD comparative analysis on the pollution characteristics of coal dust under turbulent airflow from coal cutting in the fully mechanized mining face. <i>Chemical Engineering Research and Design</i> , 2021, 146, 515-530.	5.6	18
29	Experimental investigation on physicochemical characteristics of coal treated with synthetic sodium salicylate-imidazole ionic liquids. <i>Journal of Molecular Liquids</i> , 2021, 327, 114822.	4.9	21
30	Experimental synthesis and performance comparison analysis of high-efficiency wetting enhancers for coal seam water injection. <i>Chemical Engineering Research and Design</i> , 2021, 147, 320-333.	5.6	64
31	Role of Metal Oxides in Cu-Based Catalysts with NaBH ₄ Reduction for the Synthesis of Methanol from CO ₂ /H ₂ . <i>Catalysis Letters</i> , 2021, 151, 1091-1101.	2.6	8
32	CFD simulation of multi-phase and multi-component diffusion of air-dust-gas in a fully mechanized mining face. <i>Environmental Science and Pollution Research</i> , 2021, 28, 18260-18275.	5.3	17
33	Synthesis and Characterization of a Multifunctional Sustained-Release Organic-Inorganic Hybrid Microcapsule with Self-Healing and Flame-Retardancy Properties. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 15668-15679.	8.0	57
34	Promoting carrier separation efficiently by macroscopic polarization charges and interfacial modulation for photocatalysis. <i>Chemical Engineering Journal</i> , 2021, 410, 128393.	12.7	35
35	Numerical study of the effect of geometric parameters on the internal flow of a pressure nozzle for dustfall. <i>Advanced Powder Technology</i> , 2021, 32, 1561-1572.	4.1	11
36	Experimental investigation on combined modification for micro physicochemical characteristics of coal by compound reagents and liquid nitrogen freeze-thaw cycle. <i>Fuel</i> , 2021, 292, 120287.	6.4	29

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37	Numerical analysis on spatial distribution for concentration and particle size of particulate pollutants in dust environment at fully mechanized coal mining face. <i>Powder Technology</i> , 2021, 383, 143-158.	4.2	16
38	Preparation and performance analysis of bisamido-based cationic surfactant fracturing fluid for coal seam water injection. <i>Journal of Molecular Liquids</i> , 2021, 332, 115806.	4.9	23
39	Synthesis and Performance Analysis of New Hybrid Polymer Gel Based on Carboxymethyl Cellulose for Preventing Spontaneous Coal Combustion. <i>ChemistrySelect</i> , 2021, 6, 6661-6670.	1.5	4
40	Preparation of composite high-efficiency dust suppressant and relevant molecular dynamics simulation for wetting coal surface. <i>Fuel</i> , 2021, 296, 120579.	6.4	25
41	Influence Mechanism of Surfactants on Wettability of Coal with Different Metamorphic Degrees Based on Infrared Spectrum Experiments. <i>ACS Omega</i> , 2021, 6, 22248-22258.	3.5	17
42	Microwetting dynamic behavior and mechanism for coal dust based on low field NMR method—A case study. <i>Fuel</i> , 2021, 297, 120702.	6.4	41
43	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. <i>Journal of Environmental Management</i> , 2021, 296, 113224.	7.8	10
44	Constructing Zn-P charge transfer bridge over ZnFe ₂ O ₄ -black phosphorus 3D microcavity structure: Efficient photocatalyst design in visible-near-infrared region. <i>Journal of Colloid and Interface Science</i> , 2021, 600, 463-472.	9.4	49
45	Experimental investigation on highly efficient collection and cleaning for fine coal dust particles by dry-wet mixed chemical method. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105861.	6.7	7
46	Design of pulse cleaning device for single-filter cartridge dust collector by multi-factor orthogonal method based numerical simulation. <i>Powder Technology</i> , 2021, 391, 494-509.	4.2	21
47	CFD numerical simulation on diffusion and distribution of diesel exhaust particulates in coal mine heading face. <i>Advanced Powder Technology</i> , 2021, 32, 3660-3671.	4.1	8
48	Numerical Simulation Investigation for Stress Deformation and Water Injection Seepage of Coal Microstructure under Uniaxial Compression. <i>Journal of Energy Engineering - ASCE</i> , 2021, 147, .	1.9	2
49	Experimental investigation for effect of multicomponent inorganic-organic acid solution on pore structure of lignite. <i>Powder Technology</i> , 2021, 392, 503-513.	4.2	10
50	Preparation and characterization of magnetic modified bone charcoal for removing Cu ²⁺ ions from industrial and mining wastewater. <i>Journal of Environmental Management</i> , 2021, 297, 113221.	7.8	18
51	Bimetallic-atom-hybridization-driven catalytic reaction kinetics and solar utilization to accelerate norfloxacin degradation. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120525.	20.2	25
52	Synthesis and CO ₂ adsorption performance of TEPA-loaded cellulose whisker/silica composite aerogel. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 631, 127675.	4.7	14
53	Synthesis and performance characteristics of organic-inorganic hybrid fire prevention and extinguishing gel based on phytoextraction-medical stone. <i>Construction and Building Materials</i> , 2021, 312, 125310.	7.2	5
54	Numerical simulation investigation for the pollution characteristics of dust particles in the fully mechanized mining face under different air humidity conditions. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106861.	6.7	15

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55	TremorSense: Tremor Detection for Parkinson's Disease Using Convolutional Neural Network. , 2021, ,		7
56	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
57	Charged excited state induced by ultrathin nanotip drives highly efficient hydrogen evolution. Applied Catalysis B: Environmental, 2020, 262, 118305.	20.2	20
58	Bimetal Networked Nanosheets Co x Ni 3âˆ²x S 2 as An Efficient Electrocatalyst for Hydrogen Evolution. ChemCatChem, 2020, 12, 609-614.	3.7	13
59	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
60	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
61	Spray Structure and Characteristics of a Pressure-Swirl Dust Suppression Nozzle Using a Phase Doppler Particle Analyze. Processes, 2020, 8, 1127.	2.8	11
62	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
63	Lightâ€Controlled Ferromagnetism in Porphyrin Functionalized Ultrathin FeS Nanosheets. Advanced Optical Materials, 2020, 8, 2000046.	7.3	6
64	Designing CuO/ZnO nanoforest device toward optimal photocatalytic performance through structure and facet engineering. Materials Letters, 2020, 273, 127907.	2.6	10
65	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
66	Dual-metal-driven Selective Pathway of Nitrogen Reduction in Orderly Atomic-hybridized Re₂MnS₆ Ultrathin Nanosheets. Nano Letters, 2020, 20, 4960-4967.	9.1	69
67	Experimental investigation on wetting mechanism for coal dust with different metamorphic degree based on infrared spectrum and ¹³Câ€NMR. Surface and Interface Analysis, 2020, 52, 470-485.	1.8	9
68	Molecular dynamics simulation and experimental characterization of anionic surfactant: Influence on wettability of low-rank coal. Fuel, 2020, 279, 118323.	6.4	106
69	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
70	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
71	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
72	Using Feature Fusion Strategies in Continuous Authentication on Smartphones. IEEE Internet Computing, 2020, 24, 49-56.	3.3	49

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73	Preparation and performance characterization of a composite dust suppressant for preventing secondary dust in underground mine roadways. <i>Chemical Engineering Research and Design</i> , 2020, 156, 195-208.	5.6	41
74	Experimental study on modification of physicochemical characteristics of acidified coal by surfactants and ionic liquids. <i>Fuel</i> , 2020, 266, 116966.	6.4	116
75	Synthesis and characteristics of a novel dust suppressant with good weatherability for controlling dust in open coal yards. <i>Environmental Science and Pollution Research</i> , 2020, 27, 19327-19339.	5.3	15
76	Preparation and performance characteristics of an environmentally-friendly agglomerant to improve the dry dust removal effect for filter material. <i>Journal of Hazardous Materials</i> , 2020, 397, 122734.	12.4	92
77	Synthesis and characteristic analysis of coal dust explosion suppressant based on surface modification of ammonium dihydrogen phosphate with methyl hydrogen-containing silicone oil. <i>Journal of Loss Prevention in the Process Industries</i> , 2020, 64, 104059.	3.3	24
78	Using Data Augmentation in Continuous Authentication on Smartphones. <i>IEEE Internet of Things Journal</i> , 2019, 6, 628-640.	8.7	78
79	Numerical Simulations on the Low-Pressure Water-Injection-Induced Seepage Rules of Coal with Pre-existing Plane/Surface Fractures. <i>Geotechnical and Geological Engineering</i> , 2019, 37, 3283-3297.	1.7	6
80	Simulation analysis and engineering application of distribution characteristics about multi-stage atomization field for cutting dust in fully mechanized mining face. <i>Advanced Powder Technology</i> , 2019, 30, 2600-2615.	4.1	58
81	Electric Strain in Dual Metal Janus Nanosheets Induces Structural Phase Transition for Efficient Hydrogen Evolution. <i>Joule</i> , 2019, 3, 2955-2967.	24.0	75
82	Simulations on the micro-seepage rules of gas and water based on micro-CT/CFD and the related contrastive analysis. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	1.3	4
83	Photoinduced semiconductor-metal transition in ultrathin troilite FeS nanosheets to trigger efficient hydrogen evolution. <i>Nature Communications</i> , 2019, 10, 399.	12.8	133
84	Enhancing catalytic activity of tungsten disulfide through topology. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117802.	20.2	26
85	Synthesis and Properties of a Reinforcing Dust-Cementing Material for Thin Spray-On Liners in Mine Roadways. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-12.	1.8	5
86	Preparation and performance of a composite gel as a dust suppressant for coal transportation and storage. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47819.	2.6	5
87	Quasi-one-dimensional Mo chains for efficient hydrogen evolution reaction. <i>Nano Energy</i> , 2019, 61, 194-200.	16.0	55
88	Synthesis and characteristics of fire extinguishing gel with high water absorption for coal mines. <i>Chemical Engineering Research and Design</i> , 2019, 125, 207-218.	5.6	101
89	Risk evaluation and analysis of a gas tank explosion based on a vapor cloud explosion model: A case study. <i>Engineering Failure Analysis</i> , 2019, 101, 22-35.	4.0	35
90	Experimental characterization of multi-nozzle atomization interference for dust reduction between hydraulic supports at a fully mechanized coal mining face. <i>Environmental Science and Pollution Research</i> , 2019, 26, 10023-10036.	5.3	100

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91	MEG: Memory and Energy Efficient Garbled Circuit Evaluation on Smartphones. IEEE Transactions on Information Forensics and Security, 2019, 14, 913-922.	6.9	7
92	Hydroxyl decorated g-C ₃ N ₄ nanoparticles with narrowed bandgap for high efficient photocatalyst design. Applied Catalysis B: Environmental, 2019, 244, 262-271.	20.2	109
93	High-efficiency hydrogen evolution from seawater using hetero-structured T/Td phase ReS ₂ nanosheets with cationic vacancies. Nano Energy, 2019, 55, 42-48.	16.0	102
94	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
95	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
96	Pedestrian walking safety system based on smartphone built-in sensors. IET Communications, 2018, 12, 751-758.	2.2	21
97	Preparation and characterization of a wetting-agglomeration-based hybrid coal dust suppressant. Chemical Engineering Research and Design, 2018, 113, 282-291.	5.6	171
98	SignFi. , 2018, 2, 1-21.		217
99	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
100	Oxygen-defect-dependent ferromagnetism and strain modulation in free-standing two-dimensional TiO ₂ monolayers. Physical Chemistry Chemical Physics, 2018, 20, 27176-27184.	2.8	7
101	CNNAuth: Continuous Authentication via Two-Stream Convolutional Neural Networks. , 2018, , .		20
102	Synthesis and Properties of a Conglomeration-Wetting Spray Agent for Dust Suppression. Industrial & Engineering Chemistry Research, 2018, 57, 13940-13951.	3.7	28
103	Highly Fluorescent and Stable Black Phosphorus Quantum Dots in Water. Small, 2018, 14, e1803132.	10.0	58
104	Simulation Analysis on Water's Micro Seepage Laws under Different Pressure Gradients Using Computed Tomography Method. Advances in Civil Engineering, 2018, 2018, 1-26.	0.7	4
105	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
106	USB side-channel attack on Tor. Computer Networks, 2018, 141, 57-66.	5.1	12
107	Preparation and characterization of an agglomeration-cementing agent for dust suppression in open pit coal mining. Cellulose, 2018, 25, 4011-4029.	4.9	101
108	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

#	ARTICLE	IF	CITATIONS
109	CADET: Investigating a Collaborative and Distributed Entropy Transfer Protocol. , 2018, , .		0
110	Half-metallic carbon nitride nanosheets with micro grid mode resonance structure for efficient photocatalytic hydrogen evolution. Nature Communications, 2018, 9, 3366.	12.8	219
111	Sensor-Based Continuous Authentication Using Cost-Effective Kernel Ridge Regression. IEEE Access, 2018, 6, 32554-32565.	4.2	34
112	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
113	Interface Band Engineering Charge Transfer for 3D MoS ₂ Photoanode to Boost Photoelectrochemical Water Splitting. ACS Sustainable Chemistry and Engineering, 2017, 5, 3829-3836.	6.7	51
114	Improving Web Performance in Home Broadband Access Networks. Wireless Personal Communications, 2017, 92, 925-940.	2.7	3
115	Continuous Authentication With Touch Behavioral Biometrics and Voice on Wearable Glasses. IEEE Transactions on Human-Machine Systems, 2017, 47, 404-416.	3.5	72
116	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
117	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
118	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
119	Gesture-Enabled Remote Control for Healthcare. , 2017, , .		9
120	Preparation and chemical characterization of an environmentally friendly coal dust cementing agent. Journal of Chemical Technology and Biotechnology, 2017, 92, 2699-2708.	3.2	33
121	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
122	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
123	RoFi: Rotation-Aware WiFi Channel Feedback. IEEE Internet of Things Journal, 2017, 4, 1684-1695.	8.7	3
124	Energy optimization for mobile video streaming via an aggregate model. Multimedia Tools and Applications, 2017, 76, 20781-20797.	3.9	6
125	EliMO: Eliminating Channel Feedback from MIMO. , 2017, , .		4
126	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

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127	An energy-efficient framework for ubiquitous phone access. International Journal of Communication Systems, 2016, 29, 1896-1906.	2.5	4
128	Two-dimensional ZnO ultrathin nanosheets decorated with Au nanoparticles for effective photocatalysis. Journal of Applied Physics, 2016, 120, .	2.5	23
129	Efficient photon harvesting and charge collection in 3D porous RGO-TiO ₂ photoanode for solar water splitting. Materials and Design, 2016, 101, 95-101.	7.0	24
130	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
131	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
132	HIDE: AP-Assisted Broadcast Traffic Management to Save Smartphone Energy. , 2016, , .		1
133	Constructing n-ZnO@Au heterogeneous nanorod arrays on p-Si substrate as efficient photocathode for water splitting. Nanotechnology, 2016, 27, 305403.	2.6	24
134	Determining driver phone use leveraging smartphone sensors. Multimedia Tools and Applications, 2016, 75, 16959-16981.	3.9	11
135	Toward Sensor-Based Random Number Generation for Mobile and IoT Devices. IEEE Internet of Things Journal, 2016, 3, 1189-1201.	8.7	34
136	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
137	ZnO quantum dots arranged by hole scavenger groups for enhanced and stable photocatalytic hydrogen generation. Materials Letters, 2016, 165, 196-199.	2.6	10
138	A Smartphone Compatible SONAR Ranging Attachment for 2-D Mapping. IEEE Internet of Things Journal, 2016, 3, 779-786.	8.7	2
139	Throughput Assurance for Multiple Body Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 546-557.	5.6	8
140	Towards an EEG-based brain-computer interface for online robot control. Multimedia Tools and Applications, 2016, 75, 7999-8017.	3.9	23
141	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
142	A Software-Based Sonar Ranging Sensor for Smart Phones. IEEE Internet of Things Journal, 2015, 2, 479-489.	8.7	27
143	Well-steered Charge-carrier Transfer in 3D Branched Cu ₂ O/ZnO@Au Heterostructures for Efficient Photocatalytic Hydrogen Evolution. ACS Applied Materials & Interfaces, 2015, 7, 26819-26827.	8.0	77
144	Self-assembled 3D ACF-rGO-TiO ₂ composite as efficient and recyclable spongy adsorbent for organic dye removal. Materials and Design, 2015, 83, 522-527.	7.0	26

#	ARTICLE	IF	CITATIONS
145	Dispersedly embedded loading of Fe ₃ O ₄ nanoparticles into graphene nanosheets for highly efficient and recyclable removal of heavy metal ions. <i>New Journal of Chemistry</i> , 2015, 39, 7355-7362.	2.8	30
146	Unleashing exposed terminals in enterprise WLANs: A rate adaptation approach. , 2014, , .		9
147	A Theoretical Analysis of Path Loss Based Activity Recognition. , 2014, , .		3
148	An adaptive backoff algorithm for multi-channel CSMA in wireless sensor networks. <i>Neural Computing and Applications</i> , 2014, 25, 1845-1851.	5.6	4
149	Vertically aligned MoS ₂ /MoO _x heterojunction nanosheets for enhanced visible-light photocatalytic activity and photostability. <i>CrystEngComm</i> , 2014, 16, 9025-9032.	2.6	58
150	Photogenerated Carriers Transfer in Dye-Graphene-SnO ₂ Composites for Highly Efficient Visible-Light Photocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 613-621.	8.0	122
151	A Measurement-Based Prioritization Scheme for Smartphone Applications. <i>Wireless Personal Communications</i> , 2014, 78, 333-346.	2.7	6
152	Correction to Photogenerated Carriers Transfer in Dye-Graphene-SnO ₂ Composites for Highly Efficient Visible-Light Photocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 6990-6990.	8.0	2
153	Improvement and performance analysis of a novel hash function based on chaotic neural network. <i>Neural Computing and Applications</i> , 2013, 22, 391-402.	5.6	11
154	A Self-Adaptive Spectrum Management Middleware for Wireless Sensor Networks. <i>Wireless Personal Communications</i> , 2013, 68, 131-151.	2.7	2
155	Continuous Location Dependent Queries in Mobile Wireless Sensor Networks. <i>Wireless Personal Communications</i> , 2013, 68, 153-173.	2.7	1
156	Discrete-time Markov Model for Wireless Link Burstiness Simulations. <i>Wireless Personal Communications</i> , 2013, 72, 987-1004.	2.7	3
157	Communication Energy Modeling and Optimization through Joint Packet Size Analysis of BSN and WiFi Networks. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2013, 24, 1741-1751.	5.6	39
158	AdaSense: Adapting sampling rates for activity recognition in Body Sensor Networks. , 2013, , .		14
159	RadioSense: Exploiting Wireless Communication Patterns for Body Sensor Network Activity Recognition. , 2012, , .		27
160	Towards Energy Optimization Using Joint Data Rate Adaptation for BSN and WiFi Networks. , 2012, , .		3
161	AdaSynch: A General Adaptive Clock Synchronization Scheme Based on Kalman Filter for WSNs. <i>Wireless Personal Communications</i> , 2012, 63, 217-239.	2.7	14
162	Energy modeling and optimization through joint packet size analysis of BSN and WiFi networks. , 2011, , .		8

#	ARTICLE	IF	CITATIONS
163	Parallel Hash function construction based on chaotic maps with changeable parameters. Neural Computing and Applications, 2011, 20, 1305-1312.	5.6	29
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