Wei-Guo Song

List of Publications by Year
in descending order

396	28,911	4960 84	6996 154
papers	citations	h-index	g-index

409	409	409	28079
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An experimental study on the movement characteristics of a social group in unidirectional flow. Transportmetrica A: Transport Science, 2023, 19, .	2.0	2
2	Construction of Synergistic Co and Cu Diatomic Sites for Enhanced Higher Alcohol Synthesis. CCS Chemistry, 2023, 5, 851-864.	7.8	4
3	Comparison of the stepping behavior for elderly group with or without horizontal interaction. Transportmetrica A: Transport Science, 2023, 19, .	2.0	3
4	Experimental study on the movement characteristics of individuals through angled corridors with different speeds and directions. Transportmetrica A: Transport Science, 2023, 19, .	2.0	2
5	Data-driven test strategy for COVID-19 using machine learning: A study in Lahore, Pakistan. Socio-Economic Planning Sciences, 2022, 80, 101091.	5.0	6
6	Ionic-liquid-assisted synthesis of metal single-atom catalysts for benzene oxidation to phenol. Science China Materials, 2022, 65, 163-169.	6.3	13
7	Highly Effective Rh/NaNbO3 Catalyst for the Selective Hydrogenation of Benzoic Acid to Cyclohexane Carboxylic Acid Under Mild Conditions. Catalysis Letters, 2022, 152, 2164-2177.	2.6	5
8	Dynamic evolution of nitrogen and oxygen dual-coordinated single atomic copper catalyst during partial oxidation of benzene to phenol. Nano Research, 2022, 15, 3017-3025.	10.4	29
9	Avoidance behaviors of pedestrians in a virtual-reality-based experiment. Physica A: Statistical Mechanics and Its Applications, 2022, 590, 126758.	2.6	4
10	Characteristics of merging behavior in large crowds. Journal of Statistical Mechanics: Theory and Experiment, 2022, 2022, 013403.	2.3	4
11	Unprecedentedly high activity and selectivity for hydrogenation of nitroarenes with single atomic Co1-N3P1 sites. Nature Communications, 2022, 13, 723.	12.8	91
12	Pedestrian dynamics of single-file experiments with music considering different music and different instructions. Physica A: Statistical Mechanics and Its Applications, 2022, 594, 126825.	2.6	9
13	Uniform single atomic Cu1-C4 sites anchored in graphdiyne for hydroxylation of benzene to phenol. National Science Review, 2022, 9, .	9.5	22
14	Highâ€Performance Heterogeneous Thermocatalysis Caused by Catalyst Wettability Regulation. Chemistry - A European Journal, 2022, , .	3.3	2
15	Breaking the activity limitation of iridium single-atom catalyst in hydrogenation of quinoline with synergistic nanoparticles catalysis. Nano Research, 2022, 15, 5024-5031.	10.4	41
16	Pedestrian dynamics in single-file merging flows. Physica A: Statistical Mechanics and Its Applications, 2022, 600, 127549.	2.6	2
17	Frontispiece: Highâ€Performance Heterogeneous Thermocatalysis Caused by Catalyst Wettability Regulation. Chemistry - A European Journal, 2022, 28, .	3.3	0
18	NO₂ sensing with CdS nanowires at room temperature under green light illumination. Materials Futures, 2022, 1, 025303.	8.4	3

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19	Graphdiyne Nanospheres as a Wettability and Electron Modifier for Enhanced Hydrogenation Catalysis. Angewandte Chemie - International Edition, 2022, 61, .	13.8	22
20	Simulation of building evacuation with different ratios of the elderly considering the influence of obstacle position. Physica A: Statistical Mechanics and Its Applications, 2022, 604, 127833.	2.6	5
21	A comparative study on the bottleneck pedestrian flow under different movement motivations. Fire Safety Journal, 2021, 120, 103014.	3.1	22
22	Entropy analysis of the laminar movement in bidirectional pedestrian flow. Physica A: Statistical Mechanics and Its Applications, 2021, 566, 125655.	2.6	5
23	Flows of walking and running pedestrians in a corridor through exits of different widths. Safety Science, 2021, 133, 105040.	4.9	23
24	Gasâ€“Liquidâ€“Solid Triphase Interfacial Chemical Reactions Associated with Gas Wettability. Advanced Materials Interfaces, 2021, 8, 2001636.	3.7	17
25	Direct synthesis of 1T-phase MoS₂ nanosheets with abundant sulfur-vacancies through (CH₃)₄N⁺ cation-intercalation for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2021, 9, 13996-14003.	10.3	17
26	Traffic dynamics of uni- and bidirectional pedestrian flows including dyad social groups in a ring-shaped corridor. Journal of Statistical Mechanics: Theory and Experiment, 2021, 2021, 023406.	2.3	12
27	Characteristic time in highly motivated movements of children and adults through bottlenecks. Scientific Reports, 2021, 11, 5096.	3.3	4
28	Fundamental diagram of pedestrian flow including wheelchair users in straight corridors. Journal of Statistical Mechanics: Theory and Experiment, 2021, 2021, 033411.	2.3	9
29	Experimental study on the movement characteristics of pedestrians under sudden contact forces. Journal of Statistical Mechanics: Theory and Experiment, 2021, 2021, 063406.	2.3	5
30	Pedestrian single-file movement on stairs under different motivations. Physica A: Statistical Mechanics and Its Applications, 2021, 571, 125849.	2.6	14
31	Direct Observation of Metal Oxide Nanoparticles Being Transformed into Metal Single Atoms with Oxygenâ€Coordinated Structure and Highâ€Loadings. Angewandte Chemie - International Edition, 2021, 60, 15248-15253.	13.8	38
32	Direct Observation of Metal Oxide Nanoparticles Being Transformed into Metal Single Atoms with Oxygenâ€Coordinated Structure and Highâ€Loadings. Angewandte Chemie, 2021, 133, 15376-15381.	2.0	24
33	Cr-doped NiO nanoparticles as selective and stable gas sensor for ppb-level detection of benzyl mercaptan. Sensors and Actuators B: Chemical, 2021, 339, 129886.	7.8	51
34	Social groups barely change the speed-density relationship in unidirectional pedestrian flow, but affect operational behaviours. Safety Science, 2021, 139, 105259.	4.9	20
35	Quantification of the movement characteristics for the elderly assisted by the young through exit. Safety Science, 2021, 140, 105293.	4.9	3
36	Investigating the influence of a cyclist on crowd behaviors on a shared road. Journal of Statistical Mechanics: Theory and Experiment, 2021, 2021, 083402.	2.3	7

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37	Mechanisms of passing through short exits for the elderly and young adults. Transportation Research, Part A: Policy and Practice, 2021, 151, 195-213.	4.2	1
38	Graphdiyne: a Highly Sensitive Material for ppb-Level NO2 Gas Sensing at Room Temperature. Chemical Research in Chinese Universities, 2021, 37, 1317-1322.	2.6	10
39	Experimental study of pedestrian flows including crutch users through a bottleneck with different angles. Journal of Statistical Mechanics: Theory and Experiment, 2021, 2021, 103406.	2.3	1
40	Insight into evacuation from single-exit room in stress: Mice experiment. International Journal of Modern Physics C, 2021, 32, 2150024.	1.7	1
41	PEDESTRIAN DYNAMICS IN SINGLE-FILE MOVEMENT UNDER BACKGROUND MUSIC WITH DIFFERENT TEMPOS. International Journal of Modeling, Simulation, and Scientific Computing, 2021, 24, .	1.4	3
42	A comparative study on the bottleneck flow between preschool children and adults under different movement motivations. Safety Science, 2020, 121, 30-41.	4.9	44
43	Single Chromium Atoms Supported on Titanium Dioxide Nanoparticles for Synergic Catalytic Methane Conversion under Mild Conditions. Angewandte Chemie - International Edition, 2020, 59, 1216-1219.	13.8	98
44	Single Chromium Atoms Supported on Titanium Dioxide Nanoparticles for Synergic Catalytic Methane Conversion under Mild Conditions. Angewandte Chemie, 2020, 132, 1232-1235.	2.0	25
45	Bioinspired Hollow Nanoreactor: Catalysts that Carry Gaseous Hydrogen for Enhanced Gasâ€Liquidâ€Solid Threeâ€Phase Hydrogenation Reactions. ChemCatChem, 2020, 12, 459-462.	3.7	11
46	Enabling an atom-economic production of chiral amino alcohols by electrodialysis with bipolar membranes. Green Chemistry, 2020, 22, 2213-2224.	9.0	9
47	Artificial neural network based modeling on unidirectional and bidirectional pedestrian flow at straight corridors. Physica A: Statistical Mechanics and Its Applications, 2020, 547, 123825.	2.6	15
48	Designer Synthesis of Ultra-Fine Fe-LTL Zeolite Nanocrystals. Crystals, 2020, 10, 813.	2.2	1
49	Facile Synthesis of Pd Nanoparticles Incorporated into Ultrathin Crystalline g-C₃N₄ with Enhanced Photocatalytic Performance. Crystal Growth and Design, 2020, 20, 7526-7532.	3.0	11
50	Single-Atom Catalysts for Thermal Heterogeneous Catalysis in Liquid: Recent Progress and Future Perspective. , 2020, 2, 1653-1661.		13
51	Experimental study on knee and hand crawling evacuation for different age group students. International Journal of Disaster Risk Reduction, 2020, 48, 101613.	3.9	18
52	Experimental study on pedestrian contact force under different degrees of crowding. Safety Science, 2020, 127, 104713.	4.9	9
53	Quantifying the impact of luggage on pedestrian walking and running movements. Safety Science, 2020, 130, 104856.	4.9	13
54	Experimental study of pedestrian flow mixed with wheelchair users through funnel-shaped bottlenecks. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 033401.	2.3	19

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55	Integration of Metal Single Atoms on Hierarchical Porous Nitrogen-Doped Carbon for Highly Efficient Hydrogenation of Large-Sized Molecules in the Pharmaceutical Industry. ACS Applied Materials & Interfaces, 2020, 12, 17651-17658.	8.0	27
56	Spectral and informational analysis of pedestrian contact force in simulated overcrowding conditions. Physica A: Statistical Mechanics and Its Applications, 2020, 555, 124614.	2.6	6
57	Investigating the effect of stairs on the bidirectional movement of pedestrians. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 023405.	2.3	16
58	A Co₃O₄@mesoâ€SiO₂ Hollow Nanoreactor Prepared from ZIFâ€67â€‰as an Efficient Catalyst for Olefin Epoxidation by Oxygen. ChemNanoMat, 2020, 6, 751-754.	2.8	9
59	Experimental study and analysis on behaviours and strategies of social groups and individuals. Safety Science, 2020, 127, 104736.	4.9	19
60	Experimental study of luggage-laden pedestrian flow in walking and running conditions. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 073410.	2.3	12
61	Experimental Study on Single-File Movement with Different Stop Distances. , 2020, , 241-253.		1
62	Experimental Study on Pedestrian Flow Under Different Age Groups and Movement Motivations. Springer Proceedings in Physics, 2020, , 315-320.	0.2	0
63	The influence of emergency signage on building evacuation behavior: An experimental study. Fire and Materials, 2019, 43, 22-33.	2.0	72
64	Understanding single-file movement with ant experiments and a multi-grid CA model. Physica A: Statistical Mechanics and Its Applications, 2019, 513, 1-13.	2.6	8
65	Experimental study on the movement strategies of individuals in multidirectional flows. Physica A: Statistical Mechanics and Its Applications, 2019, 534, 122046.	2.6	9
66	Nitrogenâ€doped Graphene Chainmail Wrapped IrCo Alloy Particles on Nitrogenâ€doped Graphene Nanosheet for Highly Active and Stable Full Water Splitting. ChemCatChem, 2019, 11, 5457-5465.	3.7	20
67	Simultaneous High Conversion and Selectivity in Olefin Oxidation with Oxygen Through Solid/Liquid/Gas Threeâ€Phase Interface Design. ChemCatChem, 2019, 11, 4524-4528.	3.7	4
68	Graphene edge-enhanced anchoring of the well-exposed cobalt clusters via strong chemical bonding for accelerating the oxygen reduction reaction. Sustainable Energy and Fuels, 2019, 3, 2859-2866.	4.9	6
69	Contrastive study on the single-file pedestrian movement of the elderly and other age groups. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 093402.	2.3	23
70	Characteristics of pedestrian's evacuation in a room under invisible conditions. International Journal of Disaster Risk Reduction, 2019, 41, 101295.	3.9	25
71	Solvent-Free Hydrogenation of Î±-Pinene to cis-Pinane by Using Ru/TiO2 Nanocomposite with Strong Acid Sites. Russian Journal of Physical Chemistry A, 2019, 93, 1754-1761.	0.6	3
72	A microscopic method for the evaluating of continuous pedestrian dynamic models. Physica A: Statistical Mechanics and Its Applications, 2019, 536, 122461.	2.6	4

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73	N-Doped carbon nanofibers derived from bacterial cellulose as an excellent metal-free catalyst for selective oxidation of arylalkanes. Chemical Communications, 2019, 55, 1935-1938.	4.1	34
74	An optimal velocity estimation (OVE) model based on non-empirical formula. Physica A: Statistical Mechanics and Its Applications, 2019, 527, 121302.	2.6	4
75	Experimental study on the single-file movement of mice. Physica A: Statistical Mechanics and Its Applications, 2019, 524, 676-686.	2.6	1
76	Cobalt single atoms anchored on N-doped ultrathin carbon nanosheets for selective transfer hydrogenation of nitroarenes. Science China Materials, 2019, 62, 1306-1314.	6.3	44
77	Preparation of Ga₂O₃ Doped Sulfonated Tin Oxides as a Highly Active and Recyclable Heterogeneous Solid Acid Catalyst for Aldol Reactions. Journal of Nanoscience and Nanotechnology, 2019, 19, 3658-3662.	0.9	1
78	The fundamental diagrams of elderly pedestrian flow in straight corridors under different densities. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 023403.	2.3	43
79	Experimental study of pedestrian flow through right-angled corridor: uni- and bidirectional scenarios. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 043401.	2.3	32
80	A new approach to maintaining the structural integrity of fragile nanostructured heterogeneous catalysts with nanoscale magnetic stir bars. Science Bulletin, 2019, 64, 229-231.	9.0	1
81	Carbon Nanotubes-Supported Well-Dispersed Pd Nanoparticles for the Efficiently Selective Hydrogenation of Benzoic Acid to Synthesize Cyclohexane Carboxylic Acid. Nano, 2019, 14, 1950008.	1.0	6
82	In situ K₂S activated electrospun carbon nanofibers with hierarchical meso/microporous structures for supercapacitors. RSC Advances, 2019, 9, 33539-33548.	3.6	8
83	Experimental study on elderly pedestrians passing through bottlenecks. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 123204.	2.3	20
84	Experimental study on the effect of background music on pedestrian movement at high density. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 1011-1018.	2.1	35
85	Enhanced electron separation on in-plane benzene-ring doped g-C3N4 nanosheets for visible light photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2019, 244, 459-464.	20.2	99
86	Solvent-Free and Highly Efficient Hydrogenation of Î±-Pinene to Synthesize cis-Pinane by Using Ru Species Immobilized on APTS-Functionalized Cubic Phase NaNbO3. Catalysis Letters, 2019, 149, 180-189.	2.6	5
87	Nitrogen, Sulfur Coâ€doped Carbon Materials Derived from the Leaf, Stem and Root of Amaranth as Metalâ€free Catalysts for Selective Oxidation of Aromatic Hydrocarbons. ChemCatChem, 2019, 11, 1010-1016.	3.7	5
88	Dynamic analysis of pedestrian movement in single-file experiment under limited visibility. Communications in Nonlinear Science and Numerical Simulation, 2019, 69, 329-342.	3.3	48
89	Modeling evacuation dynamics on stairs by an extended optimal steps model. Simulation Modelling Practice and Theory, 2018, 84, 177-189.	3.8	28
90	Biomass chitosan derived cobalt/nitrogen doped carbon nanotubes for the electrocatalytic oxygen reduction reaction. Journal of Materials Chemistry A, 2018, 6, 5740-5745.	10.3	113

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91	Controllable synthesis of carbon encapsulated iron phosphide nanoparticles for the chemoselective hydrogenation of aromatic nitroarenes to anilines. Inorganic Chemistry Frontiers, 2018, 5, 1094-1099.	6.0	29
92	Experimental and modeling study on relation of pedestrian step length and frequency under different headways. Physica A: Statistical Mechanics and Its Applications, 2018, 500, 237-248.	2.6	45
93	Effects of Initial Distribution Ratio and Illumination on Merging Behaviors During High-Rise Stair Descent Process. Fire Technology, 2018, 54, 1095-1112.	3.0	19
94	Chiral Metalâ€“Organic Framework Hollow Nanospheres for Highâ€Efficiency Enantiomer Separation. Chemistry - an Asian Journal, 2018, 13, 1535-1538.	3.3	27
95	Tuning active sites on cobalt/nitrogen doped graphene for electrocatalytic hydrogen and oxygen evolution. Electrochimica Acta, 2018, 265, 497-506.	5.2	56
96	Enhancing reaction rate in a Pickering emulsion system with natural magnetotactic bacteria as nanoscale magnetic stirring bars. Chemical Science, 2018, 9, 2575-2580.	7.4	34
97	Extremely low loading of Ru species on hydroxyapatite as an effective heterogeneous catalyst for olefin epoxidation. Chemical Communications, 2018, 54, 1433-1436.	4.1	19
98	Exit selection and pedestrian movement in a room with two exits under fire emergency. Applied Mathematics and Computation, 2018, 332, 136-147.	2.2	44
99	A least-effort principle based model for heterogeneous pedestrian flow considering overtaking behavior. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 1324-1334.	2.1	7
100	The stepping behavior analysis of pedestrians from different age groups via a single-file experiment. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 033402.	2.3	42
101	Boosting visible light photocatalytic hydrogen evolution of graphitic carbon nitride via enhancing it interfacial redox activity with cobalt/nitrogen doped tubular graphitic carbon. Applied Catalysis B: Environmental, 2018, 225, 512-518.	20.2	65
102	Simultaneous Determination of Fluoxastrobin and Tebuconazole in Cucumber and Soil Based on Solid-Phase Extraction and LC-MS/MS Method. Food Analytical Methods, 2018, 11, 750-758.	2.6	13
103	In situ generation of highly dispersed metal nanoparticles on two-dimensional layered SiO2 by topotactic structure conversion and their superior catalytic activity. Applied Surface Science, 2018, 434, 1137-1143.	6.1	11
104	Cobalt immobilized on hydroxyapatite as a low-cost and highly effective heterogeneous catalyst for alkenes epoxidation under mild conditions. RSC Advances, 2018, 8, 37303-37306.	3.6	6
105	Cellular automaton modeling of pedestrian movement behavior on an escalator. Chinese Physics B, 2018, 27, 124501.	1.4	18
106	Superaerophilic Materials Are Surprising Catalysts: Wettabilityâ€Induced Excellent Hydrogenation Activity under Ambient H₂ Pressure. Advanced Materials Interfaces, 2018, 5, 1801259.	3.7	15
107	Simulation of pedestrian single-lane movement by a biped model. Physical Review E, 2018, 98, .	2.1	11
108	Experimental and modeling study on evacuation under good and limited visibility in a supermarket. Fire Safety Journal, 2018, 102, 27-36.	3.1	57

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109	N, P, and S Codoped Grapheneâ€Like Carbon Nanosheets for Ultrafast Uranium (VI) Capture with High Capacity. Advanced Science, 2018, 5, 1800235.	11.2	84
110	Investigating the time evolution of some parameters describing inflow processes of pedestrians in a room. Physica A: Statistical Mechanics and Its Applications, 2018, 507, 77-88.	2.6	5
111	Controllable Synthesis of Multiheteroatoms Co-Doped Hierarchical Porous Carbon Spheres as an Ideal Catalysis Platform. ACS Applied Materials & Interfaces, 2018, 10, 19664-19672.	8.0	25
112	Adsorption behavior and structure transformation of mesoporous metalâ€“organic frameworks towards arsenates and organic pollutants in aqueous solution. Materials Chemistry Frontiers, 2018, 2, 1389-1396.	5.9	32
113	The effect of a directional split flow ratio on bidirectional pedestrian streams at signalized crosswalks. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 073408.	2.3	22
114	Bi-directional movement characteristics of Camponotus japonicus ants during nest relocation. Journal of Experimental Biology, 2018, 221, .	1.7	8
115	Investigation of difference of fundamental diagrams in pedestrian flow. Physica A: Statistical Mechanics and Its Applications, 2018, 506, 661-670.	2.6	26
116	Discretization-based stabilization for a class of switched linear systems with communication delays. ISA Transactions, 2018, 80, 1-11.	5.7	8
117	Analysis of repulsion states among pedestrians inflowing into a room. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 2424-2430.	2.1	6
118	A fuzzy-theory-based method for studying the effect of information transmission on nonlinear crowd dispersion dynamics. Communications in Nonlinear Science and Numerical Simulation, 2017, 42, 682-698.	3.3	24
119	Vaporâ€“solid synthesis of monolithic single-crystalline CoP nanowire electrodes for efficient and robust water electrolysis. Chemical Science, 2017, 8, 2952-2958.	7.4	162
120	Trivalent cerium-preponderant CeO₂/graphene sandwich-structured nanocomposite with greatly enhanced catalytic activity for the oxygen reduction reaction. Journal of Materials Chemistry A, 2017, 5, 6656-6663.	10.3	66
121	Experimental study on walking preference during high-rise stair evacuation under different ground illuminations. Physica A: Statistical Mechanics and Its Applications, 2017, 479, 26-37.	2.6	37
122	Simple synthesis of sub-nanometer Pd clusters: High catalytic activity of Pd/PEG-PNIPAM in Suzuki reaction. Chinese Journal of Catalysis, 2017, 38, 651-657.	14.0	19
123	Hydrothermal Synthesis of Monolithic Co₃Se₄ Nanowire Electrodes for Oxygen Evolution and Overall Water Splitting with High Efficiency and Extraordinary Catalytic Stability. Advanced Energy Materials, 2017, 7, 1602579.	19.5	267
124	Interfacial synthesis of ordered and stable covalent organic frameworks on amino-functionalized carbon nanotubes with enhanced electrochemical performance. Chemical Communications, 2017, 53, 6303-6306.	4.1	147
125	Pedestrian merging behavior analysis: An experimental study. Fire Safety Journal, 2017, 91, 918-925.	3.1	42
126	Excellent Selectivity with High Conversion in the Semihydrogenation of Alkynes using Palladiumâ€Based Bimetallic Catalysts. ChemCatChem, 2017, 9, 4053-4057.	3.7	14

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127	Carbonaceous aerogel and CoNiAl-LDH@CA nanocomposites derived from biomass for high performance pseudo-supercapacitor. Science Bulletin, 2017, 62, 841-845.	9.0	32
128	Fundamental diagrams for multidirectional pedestrian flows. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 033404.	2.3	70
129	Size-selective adsorption of anionic dyes induced by the layer space in layered double hydroxide hollow microspheres. Materials Chemistry Frontiers, 2017, 1, 1550-1555.	5.9	41
130	A novel approach for simultaneous determination of E/Z-fluoxastrobins in vegetables and fruits by UHPLC-DAD. Food Control, 2017, 78, 7-13.	5.5	9
131	A general route to coat poly(cyclotriphosphazene-co-4,4â€²-sulfonyldiphenol) on various substrates and the derived N, P, S-doped hollow carbon shells for catalysis. Nanoscale, 2017, 9, 13538-13545.	5.6	33
132	Nitrogen-doped hollow carbon spheres derived from amination reaction of fullerene with alkyl diamines as a carbon catalyst for hydrogenation of aromatic nitro compounds. Carbon, 2017, 125, 139-145.	10.3	30
133	Synthesis of ZSM-5 monoliths with hierarchical porosity through a steam-assisted crystallization method using sponges as scaffolds. Chinese Journal of Catalysis, 2017, 38, 872-877.	14.0	11
134	Aromatic ring substituted g-C₃N₄for enhanced photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2017, 5, 17199-17203.	10.3	100
135	In situ facile loading of noble metal nanoparticles on polydopamine nanospheres via galvanic replacement reaction for multifunctional catalysis. Science China Chemistry, 2017, 60, 1236-1242.	8.2	27
136	One methyl group makes a major difference: shape-selective catalysis by zeolite nanoreactors in liquid-phase condensation reactions. Journal of Materials Chemistry A, 2017, 5, 17464-17469.	10.3	10
137	Direct synthesis of ordered mesoporous ZSM-5 zeolites from in situ crystallization of carbonaceous SBA-15. Science China Chemistry, 2017, 60, 1588-1595.	8.2	7
138	Experimental study on relaxation time in direction changing movement. Physica A: Statistical Mechanics and Its Applications, 2017, 468, 44-52.	2.6	16
139	Long-range dependence and time-clustering behavior in pedestrian movement patterns in stampedes: The Love Parade case-study. Physica A: Statistical Mechanics and Its Applications, 2017, 469, 265-274.	2.6	10
140	Having it both ways: delicate hierarchical structure and robust mechanical stability on micro/nanomaterials with mesoporous silica coating. Journal of Porous Materials, 2017, 24, 103-108.	2.6	8
141	Self-supported Co-Ni-P ternary nanowire electrodes for highly efficient and stable electrocatalytic hydrogen evolution in acidic solution. Catalysis Today, 2017, 287, 122-129.	4.4	105
142	Efficient chromium abstraction from aqueous solution using a low-cost biosorbent: Nauclea diderrichii seed biomass waste. Journal of Saudi Chemical Society, 2016, 20, 49-57.	5.2	54
143	Nitrogen, Phosphorus, and Sulfur Coâ€Doped Hollow Carbon Shell as Superior Metalâ€Free Catalyst for Selective Oxidation of Aromatic Alkanes. Angewandte Chemie - International Edition, 2016, 55, 4016-4020.	13.8	250
144	Nitrogen, Phosphorus, and Sulfur Coâ€Doped Hollow Carbon Shell as Superior Metalâ€Free Catalyst for Selective Oxidation of Aromatic Alkanes. Angewandte Chemie, 2016, 128, 4084-4088.	2.0	64

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145	Experimental Study of Ant Movement in a Straight Passageway under Stress Conditions. Journal of Insect Behavior, 2016, 29, 735-743.	0.7	20
146	Nanocarbon-based TEMPO as stable heterogeneous catalysts for partial oxidation of alcohols. Science Bulletin, 2016, 61, 772-777.	9.0	11
147	Vanadium nanobelts coated nickel foam 3D bifunctional electrode with excellent catalytic activity and stability for water electrolysis. Nanoscale, 2016, 8, 10731-10738.	5.6	78
148	Effect of exit locations on ants escaping a two-exit room stressed with repellent. Physica A: Statistical Mechanics and Its Applications, 2016, 457, 239-254.	2.6	23
149	Hydrophobicity and Hydrophilicity Balance Determines Shape Selectivity of Suzuki Coupling Reactions Inside Pd@meso-SiO₂ Nanoreactor. Journal of Physical Chemistry C, 2016, 120, 10244-10251.	3.1	3
150	Sharp size-selective catalysis in a liquid solution over Pd nanoparticles encapsulated in hollow silicalite-1 zeolite crystals. RSC Advances, 2016, 6, 89499-89502.	3.6	12
151	Surfactantâ€Free Palladium Nanoparticles Encapsulated in ZIFâ€8 Hollow Nanospheres for Sizeâ€Selective Catalysis in Liquidâ€Phase Solution. ChemCatChem, 2016, 8, 3224-3228.	3.7	43
152	Investigation into the Surface Chemistry of Li₄Ti₅O₁₂ Nanoparticles for Lithium Ion Batteries. ACS Applied Materials & Interfaces, 2016, 8, 26008-26012.	8.0	31
153	Application of flowerlike MgO for highly sensitive determination of lead via matrixâ€assisted laser desorption/ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2016, 30, 208-216.	1.5	5
154	From water reduction to oxidation: Janus Co-Ni-P nanowires as high-efficiency and ultrastable electrocatalysts for over 3000Âh water splitting. Journal of Power Sources, 2016, 330, 156-166.	7.8	190
155	Mesoporous silica coating on hierarchical flowerlike Fe₂O₃ with enhanced catalytic activity for Fenton-like reaction. RSC Advances, 2016, 6, 74545-74549.	3.6	23
156	Typical features of pedestrian spatial distribution in the inflow process. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 1526-1534.	2.1	31
157	Nitrogen, phosphorus and sulfur co-doped ultrathin carbon nanosheets as a metal-free catalyst for selective oxidation of aromatic alkanes and the oxygen reduction reaction. Journal of Materials Chemistry A, 2016, 4, 18470-18477.	10.3	93
158	Preparation of Magnetic Tubular Nanoreactors for Highly Efficient Catalysis. Chemistry - an Asian Journal, 2016, 11, 2797-2801.	3.3	8
159	Palladium Nanoparticles Encapsulated in a Silicaliteâ€1 Zeolite Shell for Sizeâ€Selective Catalysis in Liquidâ€Phase Solution. ChemCatChem, 2016, 8, 1279-1282.	3.7	41
160	A Pd/silica composite with highly uniform Pd nanoparticles on silica lamella via layered silicate. Chemical Physics Letters, 2016, 658, 88-91.	2.6	6
161	A fuzzy-theory-based behavioral model for studying pedestrian evacuation from a single-exit room. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 2619-2627.	2.1	46
162	Modeling and assessment of civil aircraft evacuation based on finer-grid. Physica A: Statistical Mechanics and Its Applications, 2016, 448, 102-112.	2.6	18

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163	Hierarchical flowerlike magnesium oxide hollow spheres with extremely high surface area for adsorption and catalysis. Journal of Materials Chemistry A, 2016, 4, 400-406.	10.3	89
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