

# Fei Wei

## List of Publications by Year in descending order

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459  
papers

52,057  
citations

2426

97  
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1595

216  
g-index

501  
all docs

501  
docs citations

501  
times ranked

41695  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase coexistence in fluidization. <i>AIChE Journal</i> , 2022, 68, .	1.8	4
2	Fast In-situ Optical Visualization of Carbon Nanotubes Assisted by Smoke. <i>Small Methods</i> , 2022, 6, 2101333.	4.6	1
3	Highly Selective Conversion of CO <sub>2</sub> or CO into Precursors for Kerosene-Based Aviation Fuel via an Aldol-Aromatic Mechanism. <i>ACS Catalysis</i> , 2022, 12, 2023-2033.	5.5	28
4	Superdurable Bifunctional Oxygen Electrocatalyst for High-Performance Zinc-Air Batteries. <i>Journal of the American Chemical Society</i> , 2022, 144, 2694-2704.	6.6	151
5	Ultrasensitive Airflow Sensors Based on Suspended Carbon Nanotube Networks. <i>Advanced Materials</i> , 2022, 34, e2107062.	11.1	17
6	Advances in Precise Structure Control and Assembly toward the Carbon Nanotube Industry (Adv.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>	7.8	2
7	Lithium diffusion through the TiN coating layer and formation of Li-Si alloy over Si@TiN anode. <i>Chemical Engineering Science</i> , 2022, 254, 117615.	1.9	1
8	Advances in Precise Structure Control and Assembly toward the Carbon Nanotube Industry. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	12
9	Adsorption and Desorption of Tritium on/from Nuclear Graphite. <i>ACS Omega</i> , 2022, 7, 752-760.	1.6	1
10	In situ imaging of the sorption-induced subcell topological flexibility of a rigid zeolite framework. <i>Science</i> , 2022, 376, 491-496.	6.0	62
11	Ultrasensitive Airflow Sensors Based on Suspended Carbon Nanotube Networks (Adv. Mater. 18/2022). <i>Advanced Materials</i> , 2022, 34, .	11.1	0
12	Modulating inherent lewis acidity at the intergrowth interface of mortise-tenon zeolite catalyst. <i>Nature Communications</i> , 2022, 13, .	5.8	9
13	High Hydrogen Isotope Separation Efficiency: Graphene or Catalyst?. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 32360-32368.	4.0	7
14	Superdurable and fire-retardant structural coloration of carbon nanotubes. <i>Science Advances</i> , 2022, 8, .	4.7	16
15	Atomic imaging of zeolite-confined single molecules by electron microscopy. <i>Nature</i> , 2022, 607, 703-707.	13.7	49
16	Intrinsic blocking effect of SiO <sub>x</sub> on the side reaction with a LiPF <sub>6</sub> -based electrolyte. <i>Catalysis Today</i> , 2021, 364, 61-66.	2.2	11
17	Tritium adsorption and desorption on/from nuclear graphite edge by a first-principles study. <i>Carbon</i> , 2021, 173, 676-686.	5.4	7
18	Monochromatic Carbon Nanotube Tangles Grown by Microfluidic Switching between Chaos and Fractals. <i>ACS Nano</i> , 2021, 15, 5129-5137.	7.3	5

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19	Bandgap-Coupled Template Autocatalysis toward the Growth of High-Purity sp <sup>2</sup> Nanocarbons. <i>Advanced Science</i> , 2021, 8, 2003078.	5.6	8
20	High-order superlattices by rolling up van der Waals heterostructures. <i>Nature</i> , 2021, 591, 385-390.	13.7	163
21	Resolving atomic SAPO-34/18 intergrowth architectures for methanol conversion by identifying light atoms and bonds. <i>Nature Communications</i> , 2021, 12, 2212.	5.8	33
22	A single-molecule van der Waals compass. <i>Nature</i> , 2021, 592, 541-544.	13.7	75
23	Finite-time stabilization of memristor-based inertial neural networks with time-varying delays combined with interval matrix method. <i>Knowledge-Based Systems</i> , 2021, 230, 107395.	4.0	22
24	The effect of localized strain on the electrical characteristics of curved carbon nanotubes. <i>Journal of Applied Physics</i> , 2021, 129, 025107.	1.1	4
25	Mechanical Behavior of Single and Bundled Defect-Free Carbon Nanotubes. <i>Accounts of Materials Research</i> , 2021, 2, 998-1009.	5.9	14
26	Transport Phenomena in Zeolites in View of Graph Theory and Pseudo-Phase Transition. <i>Small</i> , 2020, 16, 1901979.	5.2	5
27	Model and experimental study of relationship between solid fraction and back-mixing in a fluidized bed. <i>Powder Technology</i> , 2020, 363, 146-151.	2.1	12
28	Synergistic regulation of osteoimmune microenvironment by IL-4 and RGD to accelerate osteogenesis. <i>Materials Science and Engineering C</i> , 2020, 109, 110508.	3.8	38
29	Atomic Spatial and Temporal Imaging of Local Structures and Light Elements inside Zeolite Frameworks. <i>Advanced Materials</i> , 2020, 32, e1906103.	11.1	81
30	TiO <sub>2</sub> as a multifunction coating layer to enhance the electrochemical performance of SiO <sub>x</sub> @TiO <sub>2</sub> @C composite as anode material. <i>Nano Energy</i> , 2020, 77, 105082.	8.2	82
31	High energy and high power density supercapacitor with 3D Al foam-based thick graphene electrode: Fabrication and simulation. <i>Energy Storage Materials</i> , 2020, 33, 18-25.	9.5	48
32	Super-durable ultralong carbon nanotubes. <i>Science</i> , 2020, 369, 1104-1106.	6.0	92
33	Multi-scale analysis of the interaction in ultra-long carbon nanotubes and bundles. <i>Journal of the Mechanics and Physics of Solids</i> , 2020, 142, 104032.	2.3	15
34	Imaging the node-linker coordination in the bulk and local structures of metal-organic frameworks. <i>Nature Communications</i> , 2020, 11, 2692.	5.8	82
35	Controlled growth of crossed ultralong carbon nanotubes by gas flow. <i>Nano Research</i> , 2020, 13, 1988-1995.	5.8	7
36	Suppressing the Side Reaction by a Selective Blocking Layer to Enhance the Performance of Si-Based Anodes. <i>Nano Letters</i> , 2020, 20, 5176-5184.	4.5	39

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37	Stability Analysis of Gas-Solid Distribution through Nonidentical Parallel Paths. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 6707-6715.	1.8	6
38	Selective Conversion of Syngas into Tetramethylbenzene via an Aldol-Aromatic Mechanism. <i>ACS Catalysis</i> , 2020, 10, 2477-2488.	5.5	44
39	Catalytic methane technology for carbon nanotubes and graphene. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 991-1004.	1.9	16
40	Graphene oxide coated Titanium Surfaces with Osteoimmunomodulatory Role to Enhance Osteogenesis. <i>Materials Science and Engineering C</i> , 2020, 113, 110983.	3.8	41
41	Finite-time synchronization of memristor neural networks via interval matrix method. <i>Neural Networks</i> , 2020, 127, 7-18.	3.3	27
42	Two-way desorption coupling to enhance the conversion of syngas into aromatics by MnO/H-ZSM-5. <i>Catalysis Science and Technology</i> , 2020, 10, 3366-3375.	2.1	19
43	Electrochemical process of sulfur in carbon materials from electrode thickness to interlayer. <i>Journal of Energy Chemistry</i> , 2019, 31, 119-124.	7.1	42
44	Few-layered mesoporous graphene for high-performance toluene adsorption and regeneration. <i>Environmental Science: Nano</i> , 2019, 6, 3113-3122.	2.2	21
45	Silicon Carbide as a Protective Layer to Stabilize Si-Based Anodes by Inhibiting Chemical Reactions. <i>Nano Letters</i> , 2019, 19, 5124-5132.	4.5	91
46	Geometry-induced thermal storage enhancement of shape-stabilized phase change materials based on oriented carbon nanotubes. <i>Applied Energy</i> , 2019, 254, 113688.	5.1	35
47	Rate-selected growth of ultrapure semiconducting carbon nanotube arrays. <i>Nature Communications</i> , 2019, 10, 4467.	5.8	57
48	Single-Step Conversion of H <sub>2</sub> -Deficient Syngas into High Yield of Tetramethylbenzene. <i>ACS Catalysis</i> , 2019, 9, 2203-2212.	5.5	79
49	Adsorption and Desorption of Tritium in Nuclear Graphite at 700°C: A Gas Chromatographic Study Using Hydrogen. <i>Nuclear Technology</i> , 2019, 205, 1143-1153.	0.7	6
50	Uniform coating of nano-carbon layer on SiO <sub>x</sub> in aggregated fluidized bed as high-performance anode material. <i>Carbon</i> , 2019, 149, 462-470.	5.4	38
51	Highly selective conversion of methanol to propylene: design of an MFI zeolite with selective blockage of (010) surfaces. <i>Nanoscale</i> , 2019, 11, 8096-8101.	2.8	14
52	Integrated Energy Devices: 3D Heteroatom-Doped Carbon Nanomaterials as Multifunctional Metal-Free Catalysts for Integrated Energy Devices ( <i>Adv. Mater.</i> 13/2019). <i>Advanced Materials</i> , 2019, 31, 1970094.	11.1	8
53	3D Hierarchical Porous Graphene-Based Energy Materials: Synthesis, Functionalization, and Application in Energy Storage and Conversion. <i>Electrochemical Energy Reviews</i> , 2019, 2, 332-371.	13.1	82
54	High-Efficiency Particulate Air Filters Based on Carbon Nanotubes. , 2019, , 643-666.		6

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55	3D Heteroatom-Doped Carbon Nanomaterials as Multifunctional Metal-Free Catalysts for Integrated Energy Devices. <i>Advanced Materials</i> , 2019, 31, e1805598.	11.1	194
56	Mechanical Energy: Storage of Mechanical Energy Based on Carbon Nanotubes with High Energy Density and Power Density ( <i>Adv. Mater.</i> 9/2019). <i>Advanced Materials</i> , 2019, 31, 1970064.	11.1	3
57	Evaluation of Dose Derived From HTO for Adults in the Vicinity of Qinshan Nuclear Power Base. <i>Health Physics</i> , 2019, 117, 443-448.	0.3	4
58	Tuning element distribution, structure and properties by composition in high-entropy alloys. <i>Nature</i> , 2019, 574, 223-227.	13.7	874
59	Modulation of b-axis thickness within MFI zeolite: Correlation with variation of product diffusion and coke distribution in the methanol-to-hydrocarbons conversion. <i>Applied Catalysis B: Environmental</i> , 2019, 243, 721-733.	10.8	71
60	Storage of Mechanical Energy Based on Carbon Nanotubes with High Energy Density and Power Density. <i>Advanced Materials</i> , 2019, 31, e1800680.	11.1	46
61	Heterogeneous catalysis in multi-stage fluidized bed reactors: From fundamental study to industrial application. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 636-644.	0.9	10
62	Carbon nanotube- and graphene-based nanomaterials and applications in high-voltage supercapacitor: A review. <i>Carbon</i> , 2019, 141, 467-480.	5.4	610
63	Resilient, mesoporous carbon nanotube-based strips as adsorbents of dilute organics in water. <i>Carbon</i> , 2018, 132, 329-334.	5.4	21
64	Compacting CNT sponge to achieve larger electromagnetic interference shielding performance. <i>Materials and Design</i> , 2018, 144, 323-330.	3.3	33
65	Crystal-plane effects of MFI zeolite in catalytic conversion of methanol to hydrocarbons. <i>Journal of Catalysis</i> , 2018, 360, 89-96.	3.1	58
66	High-precision diffusion measurement of ethane and propane over SAPO-34 zeolites for methanol-to-olefin process. <i>Frontiers of Chemical Science and Engineering</i> , 2018, 12, 77-82.	2.3	11
67	Single-Carbon-Nanotube Manipulations and Devices Based on Macroscale Anthracene Flakes. <i>Advanced Materials</i> , 2018, 30, 1705844.	11.1	3
68	Reaction and deactivation of propylene over SAPO-34 at low temperature. <i>Catalysis Today</i> , 2018, 301, 244-247.	2.2	8
69	The Immunomodulatory Role of BMP-2 on Macrophages to Accelerate Osteogenesis. <i>Tissue Engineering - Part A</i> , 2018, 24, 584-594.	1.6	98
70	Experimental study of non-uniform bubble growth in deep fluidized beds. <i>Chemical Engineering Science</i> , 2018, 176, 515-523.	1.9	23
71	Carbon Nanotubes and Related Nanomaterials: Critical Advances and Challenges for Synthesis toward Mainstream Commercial Applications. <i>ACS Nano</i> , 2018, 12, 11756-11784.	7.3	388
72	Modulation of the Osteoimmune Environment in the Development of Biomaterials for Osteogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1077, 69-86.	0.8	11

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73	Approaching Theoretical Capacities in Thick Lithium Vanadium Phosphate Electrodes at High Charge/Discharge Rates. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15608-15617.	3.2	14
74	Direct Chirality Recognition of Single-Crystalline and Single-Walled Transition Metal Oxide Nanotubes on Carbon Nanotube Templates. <i>Advanced Materials</i> , 2018, 30, e1803368.	11.1	14
75	Carbon nanotube bundles with tensile strength over 80 GPa. <i>Nature Nanotechnology</i> , 2018, 13, 589-595.	15.6	283
76	Effect of nano-structural properties of biomimetic hydroxyapatite on osteoimmunomodulation. <i>Biomaterials</i> , 2018, 181, 318-332.	5.7	94
77	Analyzing transfer properties of zeolites using small-world networks. <i>Nanoscale</i> , 2018, 10, 16431-16433.	2.8	9
78	Advances in Production and Applications of Carbon Nanotubes. <i>Topics in Current Chemistry</i> , 2017, 375, 18.	3.0	64
79	Controlled Synthesis of Ultralong Carbon Nanotubes with Perfect Structures and Extraordinary Properties. <i>Accounts of Chemical Research</i> , 2017, 50, 179-189.	7.6	83
80	Establishing a discrete Ising model for zeolite deactivation: inspiration from the game of Go. <i>Catalysis Science and Technology</i> , 2017, 7, 2440-2444.	2.1	20
81	Tuning Chemistry and Topography of Nanoengineered Surfaces to Manipulate Immune Response for Bone Regeneration Applications. <i>ACS Nano</i> , 2017, 11, 4494-4506.	7.3	223
82	Novel hierarchical Ni/MgO catalyst for highly efficient CO methanation in a fluidized bed reactor. <i>AIChE Journal</i> , 2017, 63, 2141-2152.	1.8	20
83	Red Phosphorus Nanodots on Reduced Graphene Oxide as a Flexible and Ultra-Fast Anode for Sodium-Ion Batteries. <i>ACS Nano</i> , 2017, 11, 5530-5537.	7.3	201
84	A route to truly realize the chirality-specific growth of aligned carbon nanotubes. <i>Science China Chemistry</i> , 2017, 60, 681-682.	4.2	2
85	Horizontally aligned carbon nanotube arrays: growth mechanism, controlled synthesis, characterization, properties and applications. <i>Chemical Society Reviews</i> , 2017, 46, 3661-3715.	18.7	153
86	High yield production of C <sub>2</sub> -C <sub>3</sub> olefins and para-xylene from methanol using a SiO <sub>2</sub> -coated FeO <sub>x</sub> /ZSM-5 catalyst. <i>RSC Advances</i> , 2017, 7, 28940-28944.	1.7	10
87	Healing High-Loading Sulfur Electrodes with Unprecedented Long Cycling Life: Spatial Heterogeneity Control. <i>Journal of the American Chemical Society</i> , 2017, 139, 8458-8466.	6.6	198
88	Validation of surface coating with nanoparticles to improve the flowability of fine cohesive powders. <i>Particuology</i> , 2017, 30, 53-61.	2.0	31
89	Synthesis of lightweight and flexible composite aerogel of mesoporous iron oxide threaded by carbon nanotubes for microwave absorption. <i>Journal of Alloys and Compounds</i> , 2017, 697, 138-146.	2.8	66
90	Nanoporous microstructures mediate osteogenesis by modulating the osteo-immune response of macrophages. <i>Nanoscale</i> , 2017, 9, 706-718.	2.8	134

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91	Seed-induced and additive-free synthesis of oriented nanorod-assembled meso/macroporous zeolites: toward efficient and cost-effective catalysts for the MTA reaction. <i>Catalysis Science and Technology</i> , 2017, 7, 5143-5153.	2.1	26
92	Enhancement of formaldehyde removal by activated carbon fiber via in situ growth of carbon nanotubes. <i>Building and Environment</i> , 2017, 126, 27-33.	3.0	55
93	Carbon nanotubes / activated carbon fiber based air filter media for simultaneous removal of particulate matter and ozone. <i>Building and Environment</i> , 2017, 125, 60-66.	3.0	60
94	Instability of uniform fluidization. <i>Chemical Engineering Science</i> , 2017, 173, 187-195.	1.9	12
95	The analysis of hot spots in large scale fluidized bed reactors. <i>RSC Advances</i> , 2017, 7, 20186-20191.	1.7	5
96	Catalysts for single-wall carbon nanotube synthesis—From surface growth to bulk preparation. <i>MRS Bulletin</i> , 2017, 42, 809-818.	1.7	13
97	Design of parallel cyclones based on stability analysis. <i>AIChE Journal</i> , 2016, 62, 4251-4258.	1.8	14
98	Topological Defects in Metal-Free Nanocarbon for Oxygen Electrocatalysis. <i>Advanced Materials</i> , 2016, 28, 6845-6851.	11.1	629
99	Acoustic-assisted assembly of an individual monochromatic ultralong carbon nanotube for high on-current transistors. <i>Science Advances</i> , 2016, 2, e1601572.	4.7	32
100	Monolithic-structured ternary hydroxides as freestanding bifunctional electrocatalysts for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7245-7250.	5.2	178
101	Comparison study for the oxidative dehydrogenation of isopentenes to isoprene in fixed and fluidized beds. <i>Catalysis Today</i> , 2016, 276, 78-84.	2.2	7
102	Highly Exfoliated Reduced Graphite Oxide Powders as Efficient Lubricant Oil Additives. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600700.	1.9	59
103	Enhanced growth of carbon nanotube bundles in a magnetically assisted fluidized bed chemical vapor deposition. <i>Carbon</i> , 2016, 108, 404-411.	5.4	22
104	The influence of straight pore blockage on the selectivity of methanol to aromatics in nanosized Zn/ZSM-5: an atomic Cs-corrected STEM analysis study. <i>RSC Advances</i> , 2016, 6, 74797-74801.	1.7	48
105	Janus Separator of Polypropylene-Supported Cellular Graphene Framework for Sulfur Cathodes with High Utilization in Lithium-Sulfur Batteries. <i>Advanced Science</i> , 2016, 3, 1500268.	5.6	294
106	Molded MFI nanocrystals as a highly active catalyst in a methanol-to-aromatics process. <i>RSC Advances</i> , 2016, 6, 81198-81202.	1.7	21
107	Removal of Ozone by Carbon Nanotubes/Quartz Fiber Film. <i>Environmental Science &amp; Technology</i> , 2016, 50, 9592-9598.	4.6	29
108	Oxygen Electrocatalysis: Topological Defects in Metal-Free Nanocarbon for Oxygen Electrocatalysis (Adv. Mater. 32/2016). <i>Advanced Materials</i> , 2016, 28, 7030-7030.	11.1	10

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109	A Review of Solid Electrolyte Interphases on Lithium Metal Anode. <i>Advanced Science</i> , 2016, 3, 1500213.	5.6	1,306
110	3D Carbonaceous Current Collectors: The Origin of Enhanced Cycling Stability for High-Rate Sulfur-Loaded Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2016, 26, 6351-6358.	7.8	216
111	From nano to giant? Designing carbon nanotubes for rubber reinforcement and their applications for high performance tires. <i>Composites Science and Technology</i> , 2016, 137, 94-101.	3.8	58
112	CaO-Templated Growth of Hierarchical Porous Graphene for High-Power Lithium-Sulfur Battery Applications. <i>Advanced Functional Materials</i> , 2016, 26, 577-585.	7.8	355
113	Moderately oxidized graphene-carbon nanotubes hybrid for high performance capacitive deionization. <i>RSC Advances</i> , 2016, 6, 58907-58915.	1.7	37
114	Fabrication and catalytic properties of three-dimensional ordered zeolite arrays with interconnected micro-meso-macroporous structure. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10834-10841.	5.2	22
115	Nanoscale color sensors made on semiconducting multi-wall carbon nanotubes. <i>Nano Research</i> , 2016, 9, 1470-1479.	5.8	6
116	Conductive Nanostructured Scaffolds Render Low Local Current Density to Inhibit Lithium Dendrite Growth. <i>Advanced Materials</i> , 2016, 28, 2155-2162.	11.1	591
117	Interwall Friction and Sliding Behavior of Centimeters Long Double-Walled Carbon Nanotubes. <i>Nano Letters</i> , 2016, 16, 1367-1374.	4.5	36
118	Bayberry-like ZnO/MFI zeolite as high performance methanol-to-aromatics catalyst. <i>Chemical Communications</i> , 2016, 52, 2011-2014.	2.2	77
119	Lithium Anodes: Conductive Nanostructured Scaffolds Render Low Local Current Density to Inhibit Lithium Dendrite Growth (Adv. Mater. 11/2016). <i>Advanced Materials</i> , 2016, 28, 2090-2090.	11.1	1
120	Equilibrium analysis of methylbenzene intermediates for a methanol-to-olefins process. <i>Catalysis Science and Technology</i> , 2016, 6, 1297-1301.	2.1	19
121	Confined growth of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> nanoparticles in nitrogen-doped mesoporous graphene fibers for high-performance lithium-ion battery anodes. <i>Nano Research</i> , 2016, 9, 230-239.	5.8	48
122	Li <sub>2</sub> S <sub>5</sub> -based ternary-salt electrolyte for robust lithium metal anode. <i>Energy Storage Materials</i> , 2016, 3, 77-84.	9.5	236
123	Guest-host modulation of multi-metallic (oxy)hydroxides for superb water oxidation. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3210-3216.	5.2	62
124	Powering Lithium-Sulfur Battery Performance by Propelling Polysulfide Redox at Sulfiphilic Hosts. <i>Nano Letters</i> , 2016, 16, 519-527.	4.5	1,294
125	Crystal-plane effect of nanoscale CeO <sub>2</sub> on the catalytic performance of Ni/CeO <sub>2</sub> catalysts for methane dry reforming. <i>Catalysis Science and Technology</i> , 2016, 6, 3594-3605.	2.1	170
126	Preloading catalysts in the reactor for repeated growth of horizontally aligned carbon nanotube arrays. <i>Carbon</i> , 2016, 98, 157-161.	5.4	21



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127	Conversion of methanol with C5–C6 hydrocarbons into aromatics in a two-stage fluidized bed reactor. <i>Catalysis Today</i> , 2016, 264, 63-69.	2.2	32
128	Review on the nanoparticle fluidization science and technology. <i>Chinese Journal of Chemical Engineering</i> , 2016, 24, 9-22.	1.7	59
129	Energy Storage: Aerosol-Assisted Heteroassembly of Oxide Nanocrystals and Carbon Nanotubes into 3D Mesoporous Composites for High-Rate Electrochemical Energy Storage ( <i>Small</i> 26/2015). <i>Small</i> , 2015, 11, 3196-3196.	5.2	1
130	Catalysis: Spatially Confined Hybridization of Nanometer-Sized NiFe Hydroxides into Nitrogen-Doped Graphene Frameworks Leading to Superior Oxygen Evolution Reactivity ( <i>Adv. Mater.</i> 30/2015). <i>Advanced Materials</i> , 2015, 27, 4524-4524.	11.1	8
131	Flexible CNT-array double helices Strain Sensor with high stretchability for Motion Capture. <i>Scientific Reports</i> , 2015, 5, 15554.	1.6	55
132	Spatially Confined Hybridization of Nanometer-Sized NiFe Hydroxides into Nitrogen-Doped Graphene Frameworks Leading to Superior Oxygen Evolution Reactivity. <i>Advanced Materials</i> , 2015, 27, 4516-4522.	11.1	612
133	The influence of added carbon nanotubes on the properties of the carbon-fiber-reinforced paper-based wet clutch friction materials. <i>Lubrication Science</i> , 2015, 27, 451-461.	0.9	6
134	Directly correlating the strain-induced electronic property change to the chirality of individual single-walled and few-walled carbon nanotubes. <i>Nanoscale</i> , 2015, 7, 13116-13124.	2.8	4
135	Synthesis of three-dimensional carbon nanotube/graphene hybrid materials by a two-step chemical vapor deposition process. <i>Carbon</i> , 2015, 86, 358-362.	5.4	50
136	Controllable oxidation for oil recovery: Low temperature oxidative decomposition of heavy oil on a MnO <sub>2</sub> catalyst. <i>Chinese Journal of Catalysis</i> , 2015, 36, 153-159.	6.9	10
137	Fluidized-bed CVD of unstacked double-layer templated graphene and its application in supercapacitors. <i>AIChE Journal</i> , 2015, 61, 747-755.	1.8	48
138	Permselective Graphene Oxide Membrane for Highly Stable and Anti-Self-Discharge Lithium-Sulfur Batteries. <i>ACS Nano</i> , 2015, 9, 3002-3011.	7.3	723
139	Nitrogen-doped herringbone carbon nanofibers with large lattice spacings and abundant edges: Catalytic growth and their applications in lithium ion batteries and oxygen reduction reactions. <i>Catalysis Today</i> , 2015, 249, 244-251.	2.2	48
140	Monolithic nitrogen-doped graphene frameworks as ultrahigh-rate anodes for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15738-15744.	5.2	31
141	Air Injection for Enhanced Oil Recovery: <i>In Situ</i> Monitoring the Low-Temperature Oxidation of Oil through Thermogravimetry/Differential Scanning Calorimetry and Pressure Differential Scanning Calorimetry. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 6634-6640.	1.8	35
142	Customized casting of unstacked graphene with high surface area (>1300 m <sup>2</sup> g <sup>-1</sup> ) and its application in oxygen reduction reaction. <i>Carbon</i> , 2015, 93, 702-712.	5.4	20
143	Aerosol-Assisted Heteroassembly of Oxide Nanocrystals and Carbon Nanotubes into 3D Mesoporous Composites for High-Rate Electrochemical Energy Storage. <i>Small</i> , 2015, 11, 3135-3142.	5.2	12
144	Increasing <i>p</i> -Xylene Selectivity in Making Aromatics from Methanol with a Surface-Modified Zn/P/ZSM-5 Catalyst. <i>ACS Catalysis</i> , 2015, 5, 2982-2988.	5.5	263

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145	Highly dispersed Mn <sub>2</sub> O <sub>3</sub> microspheres: Facile solvothermal synthesis and their application as Li-ion battery anodes. <i>Particuology</i> , 2015, 22, 89-94.	2.0	20
146	Poly(p-phenylene terephthalamide)/carbon nanotube composite membrane: Preparation via polyanion solution method and mechanical property enhancement. <i>Composites Science and Technology</i> , 2015, 118, 135-140.	3.8	15
147	Multi-functional separator/interlayer system for high-stable lithium-sulfur batteries: Progress and prospects. <i>Energy Storage Materials</i> , 2015, 1, 127-145.	9.5	581
148	Raman Measurement of Heat Transfer in Suspended Individual Carbon Nanotube. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 2939-2943.	0.9	7
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