Fei Wei

List of Publications by Year
in descending order

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459 papers	52,057 citations	2423 97 h-index	1589 216 g-index
501 all docs	501 docs citations	501 times ranked	41695 citing authors

#	Article	IF	Citations
1	Phase coexistence in fluidization. AICHE Journal, 2022, 68, .	1.8	4
2	Fast Inâ€Situ Optical Visualization of Carbon Nanotubes Assisted by Smoke. Small Methods, 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 Aldolâ€"Aromatic Mechanism. ACS Catalysis, 2022, 12, 2023-2033.	5.5	28
4	Superdurable Bifunctional Oxygen Electrocatalyst for High-Performance Zincâ€"Air Batteries. Journal of the American Chemical Society, 2022, 144, 2694-2704.	6.6	151
5	Ultrasensitive Airflow Sensors Based on Suspended Carbon Nanotube Networks. Advanced Materials, 2022, 34, e2107062.	11.1	17
6	Advances in Precise Structure Control and Assembly toward the Carbon Nanotube Industry (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	7.8	2
7	Lithium diffusion through the TiN coating layer and formation of Li-Si alloy over Si@TiN anode. Chemical Engineering Science, 2022, 254, 117615.	1.9	1
8	Advances in Precise Structure Control and Assembly toward the Carbon Nanotube Industry. Advanced Functional Materials, 2022, 32, .	7.8	12
9	Adsorption and Desorption of Tritium on/from Nuclear Graphite. ACS Omega, 2022, 7, 752-760.	1.6	1
10	In situ imaging of the sorption-induced subcell topological flexibility of a rigid zeolite framework. Science, 2022, 376, 491-496.	6.0	62
11	Ultrasensitive Airflow Sensors Based on Suspended Carbon Nanotube Networks (Adv. Mater. 18/2022). Advanced Materials, 2022, 34, .	11.1	0
12	Modulating inherent lewis acidity at the intergrowth interface of mortise-tenon zeolite catalyst. Nature Communications, 2022, 13, .	5.8	9
13	High Hydrogen Isotope Separation Efficiency: Graphene or Catalyst?. ACS Applied Materials & Interfaces, 2022, 14, 32360-32368.	4.0	7
14	Superdurable and fire-retardant structural coloration of carbon nanotubes. Science Advances, 2022, 8, .	4.7	16
15	Atomic imaging of zeolite-confined single molecules by electron microscopy. Nature, 2022, 607, 703-707.	13.7	49
16	Intrinsic blocking effect of SiOx on the side reaction with a LiPF6-based electrolyte. Catalysis Today, 2021, 364, 61-66.	2.2	11
17	Tritium adsorption and desorption on/from nuclear graphite edge by a first-principles study. Carbon, 2021, 173, 676-686.	5.4	7
18	Monochromatic Carbon Nanotube Tangles Grown by Microfluidic Switching between Chaos and Fractals. ACS Nano, 2021, 15, 5129-5137.	7.3	5

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19	Bandgapâ€Coupled Template Autocatalysis toward the Growth of Highâ€Purity sp² Nanocarbons. Advanced Science, 2021, 8, 2003078.	5.6	8
20	High-order superlattices by rolling up van der Waals heterostructures. Nature, 2021, 591, 385-390.	13.7	163
21	Resolving atomic SAPO-34/18 intergrowth architectures for methanol conversion by identifying light atoms and bonds. Nature Communications, 2021, 12, 2212.	5.8	33
22	A single-molecule van der Waals compass. Nature, 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. Knowledge-Based Systems, 2021, 230, 107395.	4.0	22
24	The effect of localized strain on the electrical characteristics of curved carbon nanotubes. Journal of Applied Physics, 2021, 129, 025107.	1.1	4
25	Mechanical Behavior of Single and Bundled Defect-Free Carbon Nanotubes. Accounts of Materials Research, 2021, 2, 998-1009.	5.9	14
26	Transport Phenomena in Zeolites in View of Graph Theory and Pseudoâ€Phase Transition. Small, 2020, 16, 1901979.	5.2	5
27	Model and experimental study of relationship between solid fraction and back-mixing in a fluidized bed. Powder Technology, 2020, 363, 146-151.	2.1	12
28	Synergistic regulation of osteoimmune microenvironment by IL-4 and RGD to accelerate osteogenesis. Materials Science and Engineering C, 2020, 109, 110508.	3.8	38
29	Atomic Spatial and Temporal Imaging of Local Structures and Light Elements inside Zeolite Frameworks. Advanced Materials, 2020, 32, e1906103.	11.1	81
30	TiO2 as a multifunction coating layer to enhance the electrochemical performance of SiOx@TiO2@C composite as anode material. Nano Energy, 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. Energy Storage Materials, 2020, 33, 18-25.	9.5	48
32	Super-durable ultralong carbon nanotubes. Science, 2020, 369, 1104-1106.	6.0	92
33	Multi-scale analysis of the interaction in ultra-long carbon nanotubes and bundles. Journal of the Mechanics and Physics of Solids, 2020, 142, 104032.	2.3	15
34	Imaging the node-linker coordination in the bulk and local structures of metal-organic frameworks. Nature Communications, 2020, 11, 2692.	5.8	82
35	Controlled growth of crossed ultralong carbon nanotubes by gas flow. Nano Research, 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. Nano Letters, 2020, 20, 5176-5184.	4.5	39

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37	Stability Analysis of Gasâ€"Solid Distribution through Nonidentical Parallel Paths. Industrial & Engineering Chemistry Research, 2020, 59, 6707-6715.	1.8	6
38	Selective Conversion of Syngas into Tetramethylbenzene via an Aldol-Aromatic Mechanism. ACS Catalysis, 2020, 10, 2477-2488.	5.5	44
39	Catalytic methane technology for carbon nanotubes and graphene. Reaction Chemistry and Engineering, 2020, 5, 991-1004.	1.9	16
40	Graphene oxide coated Titanium Surfaces with Osteoimmunomodulatory Role to Enhance Osteogenesis. Materials Science and Engineering C, 2020, 113, 110983.	3.8	41
41	Finite-time synchronization of memristor neural networks via interval matrix method. Neural Networks, 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. Catalysis Science and Technology, 2020, 10, 3366-3375.	2.1	19
43	Electrochemical process of sulfur in carbon materials from electrode thickness to interlayer. Journal of Energy Chemistry, 2019, 31, 119-124.	7.1	42
44	Few-layered mesoporous graphene for high-performance toluene adsorption and regeneration. Environmental Science: Nano, 2019, 6, 3113-3122.	2.2	21
45	Silicon Carbide as a Protective Layer to Stabilize Si-Based Anodes by Inhibiting Chemical Reactions. Nano Letters, 2019, 19, 5124-5132.	4.5	91
46	Geometry-induced thermal storage enhancement of shape-stabilized phase change materials based on oriented carbon nanotubes. Applied Energy, 2019, 254, 113688.	5.1	35
47	Rate-selected growth of ultrapure semiconducting carbon nanotube arrays. Nature Communications, 2019, 10, 4467.	5.8	57
48	Single-Step Conversion of H₂-Deficient Syngas into High Yield of Tetramethylbenzene. ACS Catalysis, 2019, 9, 2203-2212.	5.5	79
49	Adsorption and Desorption of Tritium in Nuclear Graphite at 700Â°C: A Gas Chromatographic Study Using Hydrogen. Nuclear Technology, 2019, 205, 1143-1153.	0.7	6
50	Uniform coating of nano-carbon layer on SiOx in aggregated fluidized bed as high-performance anode material. Carbon, 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. Nanoscale, 2019, 11, 8096-8101.	2.8	14
52	Integrated Energy Devices: 3D Heteroatomâ€Doped Carbon Nanomaterials as Multifunctional Metalâ€Free Catalysts for Integrated Energy Devices (Adv. Mater. 13/2019). Advanced Materials, 2019, 31, 1970094.	11.1	8
53	3D Hierarchical Porous Graphene-Based Energy Materials: Synthesis, Functionalization, and Application in Energy Storage and Conversion. Electrochemical Energy Reviews, 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 Heteroatomâ€Doped Carbon Nanomaterials as Multifunctional Metalâ€Free Catalysts for Integrated Energy Devices. Advanced Materials, 2019, 31, e1805598.	11.1	194
56	Mechanical Energy: Storage of Mechanical Energy Based on Carbon Nanotubes with High Energy Density and Power Density (Adv. Mater. 9/2019). Advanced Materials, 2019, 31, 1970064.	11.1	3
57	Evaluation of Dose Derived From HTO for Adults in the Vicinity of Qinshan Nuclear Power Base. Health Physics, 2019, 117, 443-448.	0.3	4
58	Tuning element distribution, structure and properties by composition in high-entropy alloys. Nature, 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. Applied Catalysis B: Environmental, 2019, 243, 721-733.	10.8	71
60	Storage of Mechanical Energy Based on Carbon Nanotubes with High Energy Density and Power Density. Advanced Materials, 2019, 31, e1800680.	11.1	46
61	Heterogeneous catalysis in multiâ€stage fluidized bed reactors: From fundamental study to industrial application. Canadian Journal of Chemical Engineering, 2019, 97, 636-644.	0.9	10
62	Carbon nanotube- and graphene-based nanomaterials and applications in high-voltage supercapacitor: A review. Carbon, 2019, 141, 467-480.	5.4	610
63	Resilient, mesoporous carbon nanotube-based strips as adsorbents of dilute organics in water. Carbon, 2018, 132, 329-334.	5.4	21
64	Compacting CNT sponge to achieve larger electromagnetic interference shielding performance. Materials and Design, 2018, 144, 323-330.	3.3	33
65	Crystal-plane effects of MFI zeolite in catalytic conversion of methanol to hydrocarbons. Journal of Catalysis, 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. Frontiers of Chemical Science and Engineering, 2018, 12, 77-82.	2.3	11
67	Singleâ€Carbonâ€Nanotube Manipulations and Devices Based on Macroscale Anthracene Flakes. Advanced Materials, 2018, 30, 1705844.	11.1	3
68	Reaction and deactivation of propylene over SAPO-34 at low temperature. Catalysis Today, 2018, 301, 244-247.	2.2	8
69	The Immunomodulatory Role of BMP-2 on Macrophages to Accelerate Osteogenesis. Tissue Engineering - Part A, 2018, 24, 584-594.	1.6	98
70	Experimental study of non-uniform bubble growth in deep fluidized beds. Chemical Engineering Science, 2018, 176, 515-523.	1.9	23
71	Carbon Nanotubes and Related Nanomaterials: Critical Advances and Challenges for Synthesis toward Mainstream Commercial Applications. ACS Nano, 2018, 12, 11756-11784.	7.3	388
72	Modulation of the Osteoimmune Environment in the Development of Biomaterials for Osteogenesis. Advances in Experimental Medicine and Biology, 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. ACS Sustainable Chemistry and Engineering, 2018, 6, 15608-15617.	3.2	14
74	Direct Chirality Recognition of Singleâ€Crystalline and Singleâ€Walled Transition Metal Oxide Nanotubes on Carbon Nanotube Templates. Advanced Materials, 2018, 30, e1803368.	11.1	14
75	Carbon nanotube bundles with tensile strength over 80 GPa. Nature Nanotechnology, 2018, 13, 589-595.	15.6	283
76	Effect of nano-structural properties of biomimetic hydroxyapatite on osteoimmunomodulation. Biomaterials, 2018, 181, 318-332.	5.7	94
77	Analyzing transfer properties of zeolites using small-world networks. Nanoscale, 2018, 10, 16431-16433.	2.8	9
78	Advances in Production and Applications of Carbon Nanotubes. Topics in Current Chemistry, 2017, 375, 18.	3.0	64
79	Controlled Synthesis of Ultralong Carbon Nanotubes with Perfect Structures and Extraordinary Properties. Accounts of Chemical Research, 2017, 50, 179-189.	7.6	83
80	Establishing a discrete Ising model for zeolite deactivation: inspiration from the game of Go. Catalysis Science and Technology, 2017, 7, 2440-2444.	2.1	20
81	Tuning Chemistry and Topography of Nanoengineered Surfaces to Manipulate Immune Response for Bone Regeneration Applications. ACS Nano, 2017, 11, 4494-4506.	7.3	223
82	Novel hierarchical Ni/MgO catalyst for highly efficient CO methanation in a fluidized bed reactor. AICHE Journal, 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. ACS Nano, 2017, 11, 5530-5537.	7.3	201
84	A route to truly realize the chirality-specific growth of aligned carbon nanotubes. Science China Chemistry, 2017, 60, 681-682.	4.2	2
85	Horizontally aligned carbon nanotube arrays: growth mechanism, controlled synthesis, characterization, properties and applications. Chemical Society Reviews, 2017, 46, 3661-3715.	18.7	153
86	High yield production of C₂â€“C₃ olefins and para-xylene from methanol using a SiO₂-coated FeO_x/ZSM-5 catalyst. RSC Advances, 2017, 7, 28940-28944.	1.7	10
87	Healing High-Loading Sulfur Electrodes with Unprecedented Long Cycling Life: Spatial Heterogeneity Control. Journal of the American Chemical Society, 2017, 139, 8458-8466.	6.6	198
88	Validation of surface coating with nanoparticles to improve the flowability of fine cohesive powders. Particuology, 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. Journal of Alloys and Compounds, 2017, 697, 138-146.	2.8	66
90	Nanoporous microstructures mediate osteogenesis by modulating the osteo-immune response of macrophages. Nanoscale, 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. Catalysis Science and Technology, 2017, 7, 5143-5153.	2.1	26
92	Enhancement of formaldehyde removal by activated carbon fiber via in situ growth of carbon nanotubes. Building and Environment, 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. Building and Environment, 2017, 125, 60-66.	3.0	60
94	Instability of uniform fluidization. Chemical Engineering Science, 2017, 173, 187-195.	1.9	12
95	The analysis of hot spots in large scale fluidized bed reactors. RSC Advances, 2017, 7, 20186-20191.	1.7	5
96	Catalysts for single-wall carbon nanotube synthesisâ€"From surface growth to bulk preparation. MRS Bulletin, 2017, 42, 809-818.	1.7	13
97	Design of parallel cyclones based on stability analysis. AICHE Journal, 2016, 62, 4251-4258.	1.8	14
98	Topological Defects in Metalâ€Free Nanocarbon for Oxygen Electrocatalysis. Advanced Materials, 2016, 28, 6845-6851.	11.1	629
99	Acoustic-assisted assembly of an individual monochromatic ultralong carbon nanotube for high on-current transistors. Science Advances, 2016, 2, e1601572.	4.7	32
100	Monolithic-structured ternary hydroxides as freestanding bifunctional electrocatalysts for overall water splitting. Journal of Materials Chemistry A, 2016, 4, 7245-7250.	5.2	178
101	Comparison study for the oxidative dehydrogenation of isopentenes to isoprene in fixed and fluidized beds. Catalysis Today, 2016, 276, 78-84.	2.2	7
102	Highly Exfoliated Reduced Graphite Oxide Powders as Efficient Lubricant Oil Additives. Advanced Materials Interfaces, 2016, 3, 1600700.	1.9	59
103	Enhanced growth of carbon nanotube bundles in a magnetically assisted fluidized bed chemical vapor deposition. Carbon, 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. RSC Advances, 2016, 6, 74797-74801.	1.7	48
105	Janus Separator of Polypropyleneâ€Supported Cellular Graphene Framework for Sulfur Cathodes with High Utilization in Lithiumâ€"Sulfur Batteries. Advanced Science, 2016, 3, 1500268.	5.6	294
106	Molded MFI nanocrystals as a highly active catalyst in a methanol-to-aromatics process. RSC Advances, 2016, 6, 81198-81202.	1.7	21
107	Removal of Ozone by Carbon Nanotubes/Quartz Fiber Film. Environmental Science & Technology, 2016, 50, 9592-9598.	4.6	29
108	Oxygen Electrocatalysis: Topological Defects in Metal-Free Nanocarbon for Oxygen Electrocatalysis (Adv. Mater. 32/2016). Advanced Materials, 2016, 28, 7030-7030.	11.1	10

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109	A Review of Solid Electrolyte Interphases on Lithium Metal Anode. Advanced Science, 2016, 3, 1500213.	5.6	1,306
110	3D Carbonaceous Current Collectors: The Origin of Enhanced Cycling Stability for Highâ€Sulfurâ€Loading Lithiumâ€“Sulfur Batteries. Advanced Functional Materials, 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. Composites Science and Technology, 2016, 137, 94-101.	3.8	58
112	CaOâ€Templated Growth of Hierarchical Porous Graphene for Highâ€Power Lithiumâ€“Sulfur Battery Applications. Advanced Functional Materials, 2016, 26, 577-585.	7.8	355
113	Moderately oxidized grapheneâ€“carbon nanotubes hybrid for high performance capacitive deionization. RSC Advances, 2016, 6, 58907-58915.	1.7	37
114	Fabrication and catalytic properties of three-dimensional ordered zeolite arrays with interconnected micro-meso-macroporous structure. Journal of Materials Chemistry A, 2016, 4, 10834-10841.	5.2	22
115	Nanoscale color sensors made on semiconducting multi-wall carbon nanotubes. Nano Research, 2016, 9, 1470-1479.	5.8	6
116	Conductive Nanostructured Scaffolds Render Low Local Current Density to Inhibit Lithium Dendrite Growth. Advanced Materials, 2016, 28, 2155-2162.	11.1	591
117	Interwall Friction and Sliding Behavior of Centimeters Long Double-Walled Carbon Nanotubes. Nano Letters, 2016, 16, 1367-1374.	4.5	36
118	Bayberry-like ZnO/MFI zeolite as high performance methanol-to-aromatics catalyst. Chemical Communications, 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). Advanced Materials, 2016, 28, 2090-2090.	11.1	1
120	Equilibrium analysis of methylbenzene intermediates for a methanol-to-olefins process. Catalysis Science and Technology, 2016, 6, 1297-1301.	2.1	19
121	Confined growth of Li4Ti5O12 nanoparticles in nitrogen-doped mesoporous graphene fibers for high-performance lithium-ion battery anodes. Nano Research, 2016, 9, 230-239.	5.8	48
122	Li 2 S 5 -based ternary-salt electrolyte for robust lithium metal anode. Energy Storage Materials, 2016, 3, 77-84.	9.5	236
123	Guestâ€“host modulation of multi-metallic (oxy)hydroxides for superb water oxidation. Journal of Materials Chemistry A, 2016, 4, 3210-3216.	5.2	62
124	Powering Lithiumâ€“Sulfur Battery Performance by Propelling Polysulfide Redox at Sulfiphilic Hosts. Nano Letters, 2016, 16, 519-527.	4.5	1,294
125	Crystal-plane effect of nanoscale CeO₂ on the catalytic performance of Ni/CeO₂ catalysts for methane dry reforming. Catalysis Science and Technology, 2016, 6, 3594-3605.	2.1	170
126	Preloading catalysts in the reactor for repeated growth of horizontally aligned carbon nanotube arrays. Carbon, 2016, 98, 157-161.	5.4	21

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127	Conversion of methanol with C5â€“C6 hydrocarbons into aromatics in a two-stage fluidized bed reactor. Catalysis Today, 2016, 264, 63-69.	2.2	32
128	Review on the nanoparticle fluidization science and technology. Chinese Journal of Chemical Engineering, 2016, 24, 9-22.	1.7	59
129	Energy Storage: Aerosolâ€Assisted Heteroassembly of Oxide Nanocrystals and Carbon Nanotubes into 3D Mesoporous Composites for Highâ€Rate Electrochemical Energy Storage (Small 26/2015). Small, 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 (Adv. Mater. 30/2015). Advanced Materials, 2015, 27, 4524-4524.	11.1	8
131	Flexible CNT-array double helices Strain Sensor with high stretchability for Motion Capture. Scientific Reports, 2015, 5, 15554.	1.6	55
132	Spatially Confined Hybridization of Nanometerâ€Sized NiFe Hydroxides into Nitrogenâ€Doped Graphene Frameworks Leading to Superior Oxygen Evolution Reactivity. Advanced Materials, 2015, 27, 4516-4522.	11.1	612
133	The influence of added carbon nanotubes on the properties of the carbonâ€fiberâ€reinforced paperâ€based wet clutch friction materials. Lubrication Science, 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. Nanoscale, 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. Carbon, 2015, 86, 358-362.	5.4	50
136	Controllable oxidation for oil recovery: Low temperature oxidative decomposition of heavy oil on a MnO2 catalyst. Chinese Journal of Catalysis, 2015, 36, 153-159.	6.9	10
137	Fluidizedâ€bed CVD of unstacked doubleâ€layer templated graphene and its application in supercapacitors. AICHE Journal, 2015, 61, 747-755.	1.8	48
138	Permselective Graphene Oxide Membrane for Highly Stable and Anti-Self-Discharge Lithiumâ€“Sulfur Batteries. ACS Nano, 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. Catalysis Today, 2015, 249, 244-251.	2.2	48
140	Monolithic nitrogen-doped graphene frameworks as ultrahigh-rate anodes for lithium ion batteries. Journal of Materials Chemistry A, 2015, 3, 15738-15744.	5.2	31
141	Air Injection for Enhanced Oil Recovery: In Situ Monitoring the Low-Temperature Oxidation of Oil through Thermogravimetry/Differential Scanning Calorimetry and Pressure Differential Scanning Calorimetry. Industrial & Engineering Chemistry Research, 2015, 54, 6634-6640.	1.8	35
142	Customized casting of unstacked graphene with high surface area (>1300 m2gâˆ’1) and its application in oxygen reduction reaction. Carbon, 2015, 93, 702-712.	5.4	20
143	Aerosolâ€Assisted Heteroassembly of Oxide Nanocrystals and Carbon Nanotubes into 3D Mesoporous Composites for Highâ€Rate Electrochemical Energy Storage. Small, 2015, 11, 3135-3142.	5.2	12
144	Increasing para-Xylene Selectivity in Making Aromatics from Methanol with a Surface-Modified Zn/P/ZSM-5 Catalyst. ACS Catalysis, 2015, 5, 2982-2988.	5.5	263

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145	Highly dispersed Mn2O3 microspheres: Facile solvothermal synthesis and their application as Li-ion battery anodes. Particuology, 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. Composites Science and Technology, 2015, 118, 135-140.	3.8	15
147	Multi-functional separator/interlayer system for high-stable lithium-sulfur batteries: Progress and prospects. Energy Storage Materials, 2015, 1, 127-145.	9.5	581
148	Raman Measurement of Heat Transfer in Suspended Individual Carbon Nanotube. Journal of Nanoscience and Nanotechnology, 2015, 15, 2939-2943.	0.9	7
149	Rational recipe for bulk growth of graphene/carbon nanotube hybrids: New insights from in-situ characterization on working catalysts. Carbon, 2015, 95, 292-301.	5.4	18
150	Dual-sized NiFe layered double hydroxides in situ grown on oxygen-decorated self-dispersal nanocarbon as enhanced water oxidation catalysts. Journal of Materials Chemistry A, 2015, 3, 24540-24546.	5.2	124
151	High-power lithium ion batteries based on flexible and light-weight cathode of LiNi 0.5 Mn 1.5 O 4 /carbon nanotube film. Nano Energy, 2015, 12, 43-51.	8.2	63
152	A low content Au-based catalyst for hydrochlorination of C₂H₂and its industrial scale-up for future PVC processes. Green Chemistry, 2015, 17, 356-364.	4.6	104
153	Research on body gesture acquisition process and communication method. , 2014, , .		0
154	Hierarchical carbon-nanotube/quartz-fiber films with gradient nanostructures for high efficiency and long service life air filters. RSC Advances, 2014, 4, 54115-54121.	1.7	28
155	Full capacitance potential of SWCNT electrode in ionic liquids at 4 V. Journal of Materials Chemistry A, 2014, 2, 19897-19902.	5.2	17
156	Oneâ€pot Synthesis of Ordered Mesoporous NiCeAl Oxide Catalysts and a Study of Their Performance in Methane Dry Reforming. ChemCatChem, 2014, 6, 1470-1480.	1.8	38
157	Hierarchical Vineâ€Treeâ€Like Carbon Nanotube Architectures: Inâ€Situ CVD Selfâ€Assembly and Their Use as Robust Scaffolds for Lithiumâ€Sulfur Batteries. Advanced Materials, 2014, 26, 7051-7058.	11.1	104
158	Centrifugation-free and high yield synthesis of nanosized H-ZSM-5 and its structure-guided aromatization of methanol to 1,2,4-trimethylbenzene. Journal of Materials Chemistry A, 2014, 2, 19797-19808.	5.2	76
159	NO reduction by CO over a Fe-based catalyst in FCC regenerator conditions. Chemical Engineering Journal, 2014, 255, 126-133.	6.6	51
160	Synthesis and Properties of Ultralong Carbon Nanotubes. , 2014, , 87-136.		6
161	Ionic shield for polysulfides towards highly-stable lithiumâ€"sulfur batteries. Energy and Environmental Science, 2014, 7, 347-353.	15.6	624
162	Hierarchical SAPO-34/18 zeolite with low acid site density for converting methanol to olefins. Catalysis Today, 2014, 233, 2-7.	2.2	74

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163	Unstacked double-layer templated graphene for high-rate lithiumâ€“sulphur batteries. Nature Communications, 2014, 5, 3410.	5.8	602
164	Emerging double helical nanostructures. Nanoscale, 2014, 6, 9339-9354.	2.8	40
165	Hierarchical NiMn Layered Double Hydroxide/Carbon Nanotubes Architecture with Superb Energy Density for Flexible Supercapacitors. Advanced Functional Materials, 2014, 24, 2938-2946.	7.8	646
166	The oxidation of heavy oil to enhance oil recovery: The numerical model and the criteria to describe the low and high temperature oxidation. Chemical Engineering Journal, 2014, 248, 422-429.	6.6	31
167	Nanoarchitectured Graphene/CNT@Porous Carbon with Extraordinary Electrical Conductivity and Interconnected Micro/Mesopores for Lithiumâ€Sulfur Batteries. Advanced Functional Materials, 2014, 24, 2772-2781.	7.8	495
168	Conversion of methanol to aromatics in fluidized bed reactor. Catalysis Today, 2014, 233, 8-13.	2.2	84
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