Weizhong Qian

List of Publications by Year
in descending order

164 papers	12,932 citations	34105 52 h-index	24258 110 g-index
169 all docs	169 docs citations	169 times ranked	14756 citing authors

#	Article	IF	Citations
1	Fast and reversible surface redox reaction of grapheneâ€"MnO2 composites as supercapacitor electrodes. Carbon, 2010, 48, 3825-3833.	10.3	1,272
2	A Threeâ€Dimensional Carbon Nanotube/Graphene Sandwich and Its Application as Electrode in Supercapacitors. Advanced Materials, 2010, 22, 3723-3728.	21.0	1,182
3	Preparation of a graphene nanosheet/polyaniline composite with high specific capacitance. Carbon, 2010, 48, 487-493.	10.3	999
4	Carbon nanotube- and graphene-based nanomaterials and applications in high-voltage supercapacitor: A review. Carbon, 2019, 141, 467-480.	10.3	610
5	Preparation of graphene nanosheet/carbon nanotube/polyaniline composite as electrode material for supercapacitors. Journal of Power Sources, 2010, 195, 3041-3045.	7.8	540
6	Electrochemical properties of graphene nanosheet/carbon black composites as electrodes for supercapacitors. Carbon, 2010, 48, 1731-1737.	10.3	534
7	Facile Route for Synthesizing Ordered Mesoporous Niâ€"Ceâ€"Al Oxide Materials and Their Catalytic Performance for Methane Dry Reforming to Hydrogen and Syngas. ACS Catalysis, 2013, 3, 1638-1651.	11.2	362
8	Gram-scale synthesis of nanomesh graphene with high surface area and its application in supercapacitor electrodes. Chemical Communications, 2011, 47, 5976.	4.1	339
9	Growth of Half-Meter Long Carbon Nanotubes Based on Schulzâ€"Flory Distribution. ACS Nano, 2013, 7, 6156-6161.	14.6	308
10	Superlubricity in centimetres-long double-walled carbon nanotubes under ambient conditions. Nature Nanotechnology, 2013, 8, 912-916.	31.5	305
11	Increasing <i>para</i>-Xylene Selectivity in Making Aromatics from Methanol with a Surface-Modified Zn/P/ZSM-5 Catalyst. ACS Catalysis, 2015, 5, 2982-2988.	11.2	263
12	Highly Electroconductive Mesoporous Graphene Nanofibers and Their Capacitance Performance at 4 V. Journal of the American Chemical Society, 2014, 136, 2256-2259.	13.7	192
13	Superstrong Ultralong Carbon Nanotubes for Mechanical Energy Storage. Advanced Materials, 2011, 23, 3387-3391.	21.0	170
14	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.	4.1	170
15	Crossâ€Coupled Macroâ€Mesoporous Carbon Network toward Record High Energyâ€Power Density Supercapacitor at 4 V. Advanced Functional Materials, 2018, 28, 1806153.	14.9	145
16	Synthesis, characterization and catalytic performance of MgO-coated Ni/SBA-15 catalysts for methane dry reforming to syngas and hydrogen. International Journal of Hydrogen Energy, 2013, 38, 9718-9731.	7.1	131
17	Energyâ€Absorbing Hybrid Composites Based on Alternate Carbonâ€Nanotube and Inorganic Layers. Advanced Materials, 2009, 21, 2876-2880.	21.0	118
18	Fabrication of <i>c</i>-Axis Oriented ZSM-5 Hollow Fibers Based on an in Situ Solidâ€"Solid Transformation Mechanism. Journal of the American Chemical Society, 2013, 135, 15322-15325.	13.7	110

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19	The Application of Carbon Nanotube/Grapheneâ€Based Nanomaterials in Wastewater Treatment. Small, 2020, 16, e1902301.	10.0	109
20	Ion-Responsive Channels of Zwitterion-Carbon Nanotube Membrane for Rapid Water Permeation and Ultrahigh Mono-/Multivalent Ion Selectivity. ACS Nano, 2015, 9, 7488-7496.	14.6	107
21	Growth Deceleration of Vertically Aligned Carbon Nanotube Arrays:â€‰ Catalyst Deactivation or Feedstock Diffusion Controlled?. Journal of Physical Chemistry C, 2008, 112, 4892-4896.	3.1	102
22	Highly deformation-tolerant carbon nanotube sponges as supercapacitor electrodes. Nanoscale, 2013, 5, 8472.	5.6	101
23	Enhanced production of carbon nanotubes: combination of catalyst reduction and methane decomposition. Applied Catalysis A: General, 2004, 258, 121-124.	4.3	99
24	Preparation and characterization of a plasma treated NiMgSBA-15 catalyst for methane reforming with CO2 to produce syngas. Catalysis Science and Technology, 2013, 3, 2278.	4.1	94
25	Quantitative Raman characterization of the mixed samples of the single and multi-wall carbon nanotubes. Carbon, 2003, 41, 1851-1854.	10.3	92
26	100â€‰mm Long, Semiconducting Tripleâ€Walled Carbon Nanotubes. Advanced Materials, 2010, 22, 1867-1871.	21.0	91
27	Growing 20 cm Long DWNTs/TWNTs at a Rapid Growth Rate of 80â^'90 Î¼m/s. Chemistry of Materials, 2010, 22, 1294-1296.	6.7	88
28	Hierarchical carbon nanotube membrane with high packing density and tunable porous structure for high voltage supercapacitors. Carbon, 2012, 50, 5167-5175.	10.3	87
29	Gaseous catalytic hydrogenation of nitrobenzene to aniline in a two-stage fluidized bed reactor. Applied Catalysis A: General, 2005, 286, 30-35.	4.3	86
30	Synchronous Growth of Vertically Aligned Carbon Nanotubes with Pristine Stress in the Heterogeneous Catalysis Process. Journal of Physical Chemistry C, 2007, 111, 14638-14643.	3.1	86
31	Synthesis of carbon nanotubes from liquefied petroleum gas containing sulfur. Carbon, 2002, 40, 2968-2970.	10.3	84
32	Conversion of methanol to aromatics in fluidized bed reactor. Catalysis Today, 2014, 233, 8-13.	4.4	84
33	Screening of hydrocarbons as supercritical ORCs working fluids by thermal stability. Energy Conversion and Management, 2016, 126, 632-637.	9.2	82
34	3D Hierarchical Porous Graphene-Based Energy Materials: Synthesis, Functionalization, and Application in Energy Storage and Conversion. Electrochemical Energy Reviews, 2019, 2, 332-371.	25.5	82
35	Elastic deformation of multiwalled carbon nanotubes in electrospun MWCNTsâ€“PEO and MWCNTsâ€“PVA nanofibers. Polymer, 2005, 46, 12689-12695.	3.8	81
36	High capacity gas storage in corrugated porous graphene with a specific surface area-lossless tightly stacking manner. Chemical Communications, 2012, 48, 6815.	4.1	79

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37	Chemical vapor deposition derived flexible graphene paper and its application as high performance anodes for lithium rechargeable batteries. Journal of Materials Chemistry A, 2013, 1, 408-414.	10.3	78
38	Bayberry-like ZnO/MFI zeolite as high performance methanol-to-aromatics catalyst. Chemical Communications, 2016, 52, 2011-2014.	4.1	77
39	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.	10.3	76
40	A single-molecule van der Waals compass. Nature, 2021, 592, 541-544.	27.8	75
41	Atmospheric pressure synthesis of nanosized ZSM-5 with enhanced catalytic performance for methanol to aromatics reaction. Catalysis Science and Technology, 2014, 4, 3840-3844.	4.1	72
42	CO2-Assisted SWNT Growth on Porous Catalysts. Chemistry of Materials, 2007, 19, 1226-1230.	6.7	71
43	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.	20.2	71
44	The evaluation of the gross defects of carbon nanotubes in a continuous CVD process. Carbon, 2003, 41, 2613-2617.	10.3	66
45	One-step synthesis of a graphene-carbon nanotube hybrid decorated by magnetic nanoparticles. Carbon, 2012, 50, 2764-2771.	10.3	64
46	Dramatic enhancements in toughness of polyimide nanocomposite via long-CNT-induced long-range creep. Journal of Materials Chemistry, 2012, 22, 7050.	6.7	63
47	Synthesis of graphene from asphaltene molecules adsorbed on vermiculite layers. Carbon, 2013, 62, 213-221.	10.3	63
48	In situ imaging of the sorption-induced subcell topological flexibility of a rigid zeolite framework. Science, 2022, 376, 491-496.	12.6	62
49	Gas-Phase Catalytic Hydrochlorination of Acetylene in a Two-Stage Fluidized-Bed Reactor. Industrial & Engineering Chemistry Research, 2009, 48, 128-133.	3.7	61
50	Thermal stability of some hydrofluorocarbons as supercritical ORCs working fluids. Applied Thermal Engineering, 2018, 128, 1095-1101.	6.0	59
51	Crystal-plane effects of MFI zeolite in catalytic conversion of methanol to hydrocarbons. Journal of Catalysis, 2018, 360, 89-96.	6.2	58
52	Enhanced Catalytic Activity of Subâ€nanometer Titania Clusters Confined inside Doubleâ€Wall Carbon Nanotubes. ChemSusChem, 2011, 4, 975-980.	6.8	57
53	Enhanced actuation in functionalized carbon nanotubeâ€"Nafion composites. Sensors and Actuators B: Chemical, 2011, 156, 187-193.	7.8	55
54	Direct synthesis of c-axis oriented ZSM-5 nanoneedles from acid-treated kaolin clay. Journal of Materials Chemistry A, 2013, 1, 3272.	10.3	53

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55	Ferromagnetism in nanomesh graphene. Carbon, 2013, 51, 390-396.	10.3	52
56	Hierarchical Agglomerates of Carbon Nanotubes as High-Pressure Cushions. Nano Letters, 2008, 8, 1323-1327.	9.1	50
57	Chemical kinetics method for evaluating the thermal stability of Organic Rankine Cycle working fluids. Applied Thermal Engineering, 2016, 100, 708-713.	6.0	49
58	MgO-catalyzed growth of N-doped wrinkled carbon nanotubes. Carbon, 2013, 56, 38-44.	10.3	48
59	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.	3.6	48
60	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.	18.0	48
61	Effect of adding nickel to ironâ€"alumina catalysts on the morphology of as-grown carbon nanotubes. Carbon, 2003, 41, 2487-2493.	10.3	46
62	EMIMBF₄â€"GBL binary electrolyte working at âˆ'70 Â°C and 3.7 V for a high performance graphene-based capacitor. Journal of Materials Chemistry A, 2018, 6, 3593-3601.	10.3	46
63	Regulation of Niâ€"CNT Interaction on Mn-Promoted Nickel Nanocatalysts Supported on Oxygenated CNTs for CO₂ Selective Hydrogenation. ACS Applied Materials & Interfaces, 2018, 10, 41224-41236.	8.0	45
64	Oil sorption and recovery by using vertically aligned carbon nanotubes. Carbon, 2010, 48, 4197-4200.	10.3	44
65	Flexible metal-templated fabrication of mesoporous onion-like carbon and Fe₂O₃@N-doped carbon foam for electrochemical energy storage. Journal of Materials Chemistry A, 2018, 6, 13012-13020.	10.3	44
66	A novel low-temperature method to grow single-crystal ZnO nanorods. Journal of Crystal Growth, 2004, 271, 353-357.	1.5	43
67	Liquefied petroleum gas containing sulfur as the carbon source for carbon nanotube forests. Carbon, 2008, 46, 291-296.	10.3	42
68	Synthesis of Highâ€Quality, Doubleâ€Walled Carbon Nanotubes in a Fluidized Bed Reactor. Chemical Engineering and Technology, 2009, 32, 73-79.	1.5	41
69	Raising the performance of a 4 V supercapacitor based on an EMIBF4â€"single walled carbon nanotube nanofluid electrolyte. Chemical Communications, 2013, 49, 10727.	4.1	41
70	Highly electroconductive mesoporous activated carbon fibers and their performance in the ionic liquid-based electrical double-layer capacitors. Carbon, 2019, 154, 1-6.	10.3	39
71	Insight into the Effects of Water on the Ethene to Aromatics Reaction with HZSM-5. ACS Catalysis, 2020, 10, 5288-5298.	11.2	39
72	Carbon nanotubes for supercapacitors: Consideration of cost and chemical vapor deposition techniques. Journal of Natural Gas Chemistry, 2012, 21, 233-240.	1.8	38

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73	Oneâ€pot Synthesis of Ordered Mesoporous NiCeAl Oxide Catalysts and a Study of Their Performance in Methane Dry Reforming. ChemCatChem, 2014, 6, 1470-1480.	3.7	38
74	Nano-size MZnAl (M=Cu, Co, Ni) metal oxides obtained by combining hydrothermal synthesis with urea homogeneous precipitation procedures. Applied Clay Science, 2010, 48, 203-207.	5.2	37
75	Synthesis of high quality single-walled carbon nanotubes on natural sepiolite and their use for phenol absorption. Carbon, 2011, 49, 1568-1580.	10.3	36
76	Interwall Friction and Sliding Behavior of Centimeters Long Double-Walled Carbon Nanotubes. Nano Letters, 2016, 16, 1367-1374.	9.1	36
77	The effect of phase separation in Fe/Mg/Al/O catalysts on the synthesis of DWCNTs from methane. Carbon, 2007, 45, 1645-1650.	10.3	33
78	Enhanced Activation and Decomposition of CH₄ by the Addition of C₂H₄ or C₂H₂ for Hydrogen and Carbon Nanotube Production. Journal of Physical Chemistry C, 2008, 112, 7588-7593.	3.1	33
79	Resolving atomic SAPO-34/18 intergrowth architectures for methanol conversion by identifying light atoms and bonds. Nature Communications, 2021, 12, 2212.	12.8	33
80	Carbon nanotubes containing iron and molybdenum particles as a catalyst for methane decomposition. Carbon, 2003, 41, 846-848.	10.3	32
81	Conversion of methanol with C5â€“C6 hydrocarbons into aromatics in a two-stage fluidized bed reactor. Catalysis Today, 2016, 264, 63-69.	4.4	32
82	Review of the Working Fluid Thermal Stability for Organic Rankine Cycles. Journal of Thermal Science, 2019, 28, 597-607.	1.9	31
83	High-yield production of aromatics from methanol using a temperature-shifting multi-stage fluidized bed reactor technology. Chemical Engineering Journal, 2019, 371, 639-646.	12.7	31
84	In situ growth of carbon nanotubes on inorganic fibers with different surface properties. Materials Chemistry and Physics, 2008, 107, 317-321.	4.0	30
85	Temperature effect on the substrate selectivity of carbon nanotube growth in floating chemical vapor deposition. Nanotechnology, 2007, 18, 415703.	2.6	29
86	Ionic liquid coated single-walled carbon nanotube buckypaper as supercapacitor electrode. Particuology, 2013, 11, 409-414.	3.6	28
87	What causes the carbon nanotubes collapse in a chemical vapor deposition process. Journal of Chemical Physics, 2003, 118, 878-882.	3.0	27
88	Large scale production of carbon nanotube arrays on the sphere surface from liquefied petroleum gas at low cost. Science Bulletin, 2007, 52, 2896-2902.	1.7	27
89	Integrating carbon nanotube into activated carbon matrix for improving the performance of supercapacitor. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 1138-1143.	3.5	27
90	The reason for the low density of horizontally aligned ultralong carbon nanotube arrays. Carbon, 2013, 52, 232-238.	10.3	27

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91	Multi-walled carbon nanotube-based carbon/carbon composites with three-dimensional network structures. Nanoscale, 2013, 5, 6181.	5.6	27
92	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.	4.1	26
93	A multi-stage fluidized bed strategy for the enhanced conversion of methanol into aromatics. Chemical Engineering Science, 2019, 204, 1-8.	3.8	26
94	Preparation of exfoliated graphite containing manganese oxides with high electrochemical capacitance by microwave irradiation. Carbon, 2009, 47, 3371-3374.	10.3	25
95	Selective Synthesis of Single/Double/Multi-walled Carbon Nanotubes on MgO-Supported Fe Catalyst. Chinese Journal of Catalysis, 2008, 29, 1138-1144.	14.0	24
96	Thermal stability of hexamethyldisiloxane (MM) as a working fluid for organic Rankine cycle. International Journal of Energy Research, 2019, 43, 896-904.	4.5	24
97	Large area growth of aligned CNT arrays on spheres: Cost performance and product control. Materials Letters, 2009, 63, 84-87.	2.6	23
98	Carbon nanotube production and application in energy storage. Asia-Pacific Journal of Chemical Engineering, 2013, 8, 234-245.	1.5	23
99	Experimental study of non-uniform bubble growth in deep fluidized beds. Chemical Engineering Science, 2018, 176, 515-523.	3.8	23
100	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.	10.3	22
101	Rational Design of Zinc/Zeolite Catalyst: Selective Formation of <i>p</i>â€Xylene from Methanol to Aromatics Reaction. Angewandte Chemie - International Edition, 2022, 61, .	13.8	22
102	High Selectivity Production of Propylene from n-Butene: Thermodynamic and Experimental Study Using a Shape Selective Zeolite Catalyst. Catalysis Letters, 2008, 125, 380-385.	2.6	21
103	Very High-Quality Single-Walled Carbon Nanotubes Grown Using a Structured and Tunable Porous Fe/MgO Catalyst. Journal of Physical Chemistry C, 2009, 113, 20178-20183.	3.1	21
104	Molded MFI nanocrystals as a highly active catalyst in a methanol-to-aromatics process. RSC Advances, 2016, 6, 81198-81202.	3.6	21
105	Resilient, mesoporous carbon nanotube-based strips as adsorbents of dilute organics in water. Carbon, 2018, 132, 329-334.	10.3	21
106	Mesoporous tubular graphene electrode for high performance supercapacitor. Chinese Chemical Letters, 2018, 29, 599-602.	9.0	21
107	A nitrogen-doped mesopore-dominated carbon electrode allied with anti-freezing EMIBF₄â€“GBL electrolyte for superior low-temperature supercapacitors. Journal of Materials Chemistry A, 2020, 8, 10386-10394.	10.3	21
108	Synthesis of thin-walled carbon nanotubes from methane by changing the Ni/Mo ratio in a Ni/Mo/MgO catalyst. New Carbon Materials, 2008, 23, 319-325.	6.1	20

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109	Equilibrium analysis of methylbenzene intermediates for a methanol-to-olefins process. Catalysis Science and Technology, 2016, 6, 1297-1301.	4.1	19
110	Influence of alkane working fluid decomposition on supercritical organic Rankine cycle systems. Energy, 2018, 153, 422-430.	8.8	19
111	Synthesis of carbon nanotubes with totally hollow channels and/or with totally copper filled nanowires. Applied Physics A: Materials Science and Processing, 2006, 86, 265-269.	2.3	18
112	FEW WALLED CARBON NANOTUBE PRODUCTION IN LARGE-SCALE BY NANO-AGGLOMERATE FLUIDIZED-BED PROCESS. Nano, 2008, 03, 45-50.	1.0	18
113	Full capacitance potential of SWCNT electrode in ionic liquids at 4 V. Journal of Materials Chemistry A, 2014, 2, 19897-19902.	10.3	17
114	Screening of working fluids and metal materials for high temperature organic Rankine cycles by compatibility. Journal of Renewable and Sustainable Energy, 2017, 9, .	2.0	17
115	Perspective to the Potential Use of Graphene in Liâ€Ion Battery and Supercapacitor. Chemical Record, 2019, 19, 1256-1262.	5.8	17
116	Oxygen-assisted synthesis of SWNTs from methane decomposition. Nanotechnology, 2007, 18, 215610.	2.6	16
117	Synthesis of Single-Walled Carbon Nanotubes with Narrow Diameter Distribution by Calcination of a Mo-Modified Fe/MgO Catalyst. Chinese Journal of Catalysis, 2008, 29, 617-623.	14.0	16
118	Granulated Carbon Nanotubes as the Catalyst Support for Pt for the Hydrogenation of Nitrobenzene. Australian Journal of Chemistry, 2010, 63, 131.	0.9	16
119	Catalytic methane technology for carbon nanotubes and graphene. Reaction Chemistry and Engineering, 2020, 5, 991-1004.	3.7	16
120	Highly selective synthesis of large aromatic molecules with nano-zeolite: beyond the shape selectivity effect. RSC Advances, 2017, 7, 14309-14313.	3.6	15
121	Process simulation of the syngas-to-aromatics processes: Technical economics aspects. Chemical Engineering Science, 2020, 212, 115328.	3.8	15
122	High strength composites using interlocking carbon nanotubes in a polyimide matrix. Carbon, 2013, 60, 102-108.	10.3	14
123	Design of parallel cyclones based on stability analysis. AICHE Journal, 2016, 62, 4251-4258.	3.6	14
124	Highly selective conversion of methanol to propylene: design of an MFI zeolite with selective blockage of (010) surfaces. Nanoscale, 2019, 11, 8096-8101.	5.6	14
125	Mechanical Behavior of Single and Bundled Defect-Free Carbon Nanotubes. Accounts of Materials Research, 2021, 2, 998-1009.	11.7	14
126	The formation mechanism of the coaxial carbonâ€“metal nanowires in a chemical vapor deposition process. Solid State Communications, 2003, 126, 365-367.	1.9	13

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127	Graphene-carbon nanotube hybrids as robust, rapid, reversible adsorbents for organics. Carbon, 2017, 116, 409-414.	10.3	13
128	Temperature-dependent secondary conversion of primary products from methanol aromatization in a two-stage fluidized bed. Fuel, 2020, 267, 117204.	6.4	13
129	Gas-flow assisted bulk synthesis of V-type SnO2 nanowires. Journal of Crystal Growth, 2005, 285, 49-53.	1.5	12
130	Facile manipulation of individual carbon nanotubes assisted by inorganic nanoparticles. Nanoscale, 2013, 5, 6584.	5.6	12
131	Instability of uniform fluidization. Chemical Engineering Science, 2017, 173, 187-195.	3.8	12
132	Advances in Precise Structure Control and Assembly toward the Carbon Nanotube Industry. Advanced Functional Materials, 2022, 32, .	14.9	12
133	SYNTHESIS OF SINGLE-WALLED CARBON NANOTUBES FROM LIQUEFIED PETROLEUM GAS. Nano, 2008, 03, 95-100.	1.0	11
134	Nanobeltâ€“carbon nanotube cross-junction solar cells. Energy and Environmental Science, 2012, 5, 6119.	30.8	11
135	Highly selective synthesis of single-walled carbon nanotubes from methane in a coupled Downer-turbulent fluidized-bed reactor. Journal of Energy Chemistry, 2013, 22, 567-572.	12.9	11
136	Formation mechanism of carbon encapsulated Fe nanoparticles in the growth of single-/double-walled carbon nanotubes. Chemical Engineering Journal, 2013, 223, 617-622.	12.7	11
137	Enhancing 5 V capacitor performance by adding single walled carbon nanotubes into an ionic liquid electrolyte. Journal of Materials Chemistry A, 2015, 3, 15858-15862.	10.3	11
138	Synthesis of Vertically Aligned CNTs with Hollow Channel on Al[sub 2]O[sub 3]â€“Al Substrate Electroplated with Fe Nanoparticles. Journal of the Electrochemical Society, 2008, 155, K180.	2.9	10
139	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.	3.6	10
140	Heterogeneous catalysis in multiâ€stage fluidized bed reactors: From fundamental study to industrial application. Canadian Journal of Chemical Engineering, 2019, 97, 636-644.	1.7	10
141	Carbon nanotubes with large cores produced by adding sodium carbonate to the catalyst. Carbon, 2003, 41, 2683-2686.	10.3	9
142	Architectural and mechanical performances of carbon nanotube agglomerates characterized by compaction response. Powder Technology, 2011, 211, 226-231.	4.2	9
143	Analyzing transfer properties of zeolites using small-world networks. Nanoscale, 2018, 10, 16431-16433.	5.6	9
144	Decentralized methanol feed in a two-stage fluidized bed for process intensification of methanol to aromatics. Chemical Engineering and Processing: Process Intensification, 2020, 154, 108049.	3.6	9

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145	Modulating inherent lewis acidity at the intergrowth interface of mortise-tenon zeolite catalyst. Nature Communications, 2022, 13, .	12.8	9
146	Synthesis of well-dispersed ZnO nanomaterials by directly calcining zinc stearate. Journal of Alloys and Compounds, 2009, 472, 343-346.	5.5	8
147	Reaction and deactivation of propylene over SAPO-34 at low temperature. Catalysis Today, 2018, 301, 244-247.	4.4	8
148	Synthesis of dispersed ZrO2 nano-laminae composed of ZrO2 nanocrystals. Materials Letters, 2006, 60, 3104-3108.	2.6	7
149	Enhanced production of aromatics from propane with a temperature-shifting two-stage fluidized bed reactor. RSC Advances, 2019, 9, 26532-26536.	3.6	7
150	Super resilience of a compacted mixture of natural graphite and agglomerated carbon nanotubes under cyclic compression. Carbon, 2010, 48, 309-312.	10.3	6
151	The analysis of hot spots in large scale fluidized bed reactors. RSC Advances, 2017, 7, 20186-20191.	3.6	5
152	Carbon nanotube-alumina strips as robust, rapid, reversible adsorbents of organics. RSC Advances, 2018, 8, 10715-10718.	3.6	5
153	Monochromatic Carbon Nanotube Tangles Grown by Microfluidic Switching between Chaos and Fractals. ACS Nano, 2021, 15, 5129-5137.	14.6	5
154	ç¢³ç³ç±³ç®¡çš„å®é‡å¶å‡åŠä¸šåŒ–. Scientia Sinica Chimica, 2013, 43, 641-666.	0.4	5
155	Ultrafast Nonvolatile Ionic Liquids-Based Supercapacitors with Al Foam-Enhanced Carbon Electrode. ACS Applied Materials & Interfaces, 2021, 13, 53904-53914.	8.0	4
156	Phase coexistence in fluidization. AIChE Journal, 2022, 68, .	3.6	4
157	High-yield Synthesis of Nanohybrid Shish-kebab Polyethylene-carbon Nanotube Structure. Chinese Journal of Chemical Engineering, 2013, 21, 37-43.	3.5	3
158	Material Compatibility of Hexamethyldisiloxane as Organic Rankine Cycle Working Fluids at High Temperatures. Journal of Thermal Science, 2020, 29, 25-31.	1.9	3
159	Correction to Growth of Half-Meter Long Carbon Nanotubes Based on Schulzâ€"Flory Distribution. ACS Nano, 2014, 8, 3097-3097.	14.6	2
160	Advances in Precise Structure Control and Assembly toward the Carbon Nanotube Industry (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	14.9	2
161	High-Performance Graphene/Carbon Nanotube-Based Adsorbents for Treating Diluted o-Cresol in Water in a Pilot-Plant Scale Demo. ACS Applied Materials & Interfaces, 2021, 13, 43266-43272.	8.0	1
162	Rational Design of Zinc/Zeolite Catalyst: Selective Formation of p â€Xylene from Methanol to Aromatics Reaction. Angewandte Chemie, 0, , .	2.0	1

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163	Large scale synthesis of vertical aligned CNT array on irregular quartz particles. Materials Research Society Symposia Proceedings, 2008, 1081, 1.	0.1	0
164	Innentitelbild: Rational Design of Zinc/Zeolite Catalyst: Selective Formation of <i>p</i>â€Xylene from Methanol to Aromatics Reaction (Angew. Chem. 10/2022). Angewandte Chemie, 2022, 134, .	2.0	0