

Weizhong Qian

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161
papers

10,733
citations

48
h-index

101
g-index

169
ext. papers

11,840
ext. citations

9.1
avg, IF

6.29
L-index

#	Paper	IF	Citations
161	Fast and reversible surface redox reaction of graphene/MnO ₂ composites as supercapacitor electrodes. <i>Carbon</i> , 2010 , 48, 3825-3833	10.4	1169
160	A three-dimensional carbon nanotube/graphene sandwich and its application as electrode in supercapacitors. <i>Advanced Materials</i> , 2010 , 22, 3723-8	24	1092
159	Preparation of a graphene nanosheet/polyaniline composite with high specific capacitance. <i>Carbon</i> , 2010 , 48, 487-493	10.4	911
158	Preparation of graphene nanosheet/carbon nanotube/polyaniline composite as electrode material for supercapacitors. <i>Journal of Power Sources</i> , 2010 , 195, 3041-3045	8.9	498
157	Electrochemical properties of graphene nanosheet/carbon black composites as electrodes for supercapacitors. <i>Carbon</i> , 2010 , 48, 1731-1737	10.4	478
156	Carbon nanotube- and graphene-based nanomaterials and applications in high-voltage supercapacitor: A review. <i>Carbon</i> , 2019 , 141, 467-480	10.4	386
155	Gram-scale synthesis of nanomesh graphene with high surface area and its application in supercapacitor electrodes. <i>Chemical Communications</i> , 2011 , 47, 5976-8	5.8	308
154	Facile Route for Synthesizing Ordered Mesoporous Ni ₂ TeAl Oxide Materials and Their Catalytic Performance for Methane Dry Reforming to Hydrogen and Syngas. <i>ACS Catalysis</i> , 2013 , 3, 1638-1651	13.1	283
153	Growth of half-meter long carbon nanotubes based on Schulz-Flory distribution. <i>ACS Nano</i> , 2013 , 7, 6156-617	6.7	255
152	Superlubricity in centimetres-long double-walled carbon nanotubes under ambient conditions. <i>Nature Nanotechnology</i> , 2013 , 8, 912-6	28.7	243
151	Increasing para-Xylene Selectivity in Making Aromatics from Methanol with a Surface-Modified Zn/P/ZSM-5 Catalyst. <i>ACS Catalysis</i> , 2015 , 5, 2982-2988	13.1	206
150	Highly electroconductive mesoporous graphene nanofibers and their capacitance performance at 4 V. <i>Journal of the American Chemical Society</i> , 2014 , 136, 2256-9	16.4	176
149	Superstrong ultralong carbon nanotubes for mechanical energy storage. <i>Advanced Materials</i> , 2011 , 23, 3387-91	24	148
148	Cross-Coupled Macro-Mesoporous Carbon Network toward Record High Energy-Power Density Supercapacitor at 4 V. <i>Advanced Functional Materials</i> , 2018 , 28, 1806153	15.6	109
147	Energy-Absorbing Hybrid Composites Based on Alternate Carbon-Nanotube and Inorganic Layers. <i>Advanced Materials</i> , 2009 , 21, 2876-2880	24	106
146	Synthesis, characterization and catalytic performance of MgO-coated Ni/SBA-15 catalysts for methane dry reforming to syngas and hydrogen. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 9718-9731	6.7	104
145	Crystal-plane effect of nanoscale CeO ₂ on the catalytic performance of Ni/CeO ₂ catalysts for methane dry reforming. <i>Catalysis Science and Technology</i> , 2016 , 6, 3594-3605	5.5	103

144	Growth Deceleration of Vertically Aligned Carbon Nanotube Arrays: Catalyst Deactivation or Feedstock Diffusion Controlled?. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 4892-4896	3.8	96
143	Fabrication of c-axis oriented ZSM-5 hollow fibers based on an in situ solid-solid transformation mechanism. <i>Journal of the American Chemical Society</i> , 2013 , 135, 15322-5	16.4	95
142	Ion-Responsive Channels of Zwitterion-Carbon Nanotube Membrane for Rapid Water Permeation and Ultrahigh Mono-/Multivalent Ion Selectivity. <i>ACS Nano</i> , 2015 , 9, 7488-96	16.7	89
141	Highly deformation-tolerant carbon nanotube sponges as supercapacitor electrodes. <i>Nanoscale</i> , 2013 , 5, 8472-9	7.7	86
140	Preparation and characterization of a plasma treated NiMgSBA-15 catalyst for methane reforming with CO ₂ to produce syngas. <i>Catalysis Science and Technology</i> , 2013 , 3, 2278	5.5	82
139	Synchronous Growth of Vertically Aligned Carbon Nanotubes with Pristine Stress in the Heterogeneous Catalysis Process. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 14638-14643	3.8	82
138	Enhanced production of carbon nanotubes: combination of catalyst reduction and methane decomposition. <i>Applied Catalysis A: General</i> , 2004 , 258, 121-124	5.1	82
137	Synthesis of carbon nanotubes from liquefied petroleum gas containing sulfur. <i>Carbon</i> , 2002 , 40, 2968-2970	3.4	79
136	Quantitative Raman characterization of the mixed samples of the single and multi-wall carbon nanotubes. <i>Carbon</i> , 2003 , 41, 1851-1854	10.4	79
135	100 mm long, semiconducting triple-walled carbon nanotubes. <i>Advanced Materials</i> , 2010 , 22, 1867-71	24	78
134	Growing 20 cm Long DWNTs/TWNTs at a Rapid Growth Rate of 8000 h/s. <i>Chemistry of Materials</i> , 2010 , 22, 1294-1296	9.6	77
133	Hierarchical carbon nanotube membrane with high packing density and tunable porous structure for high voltage supercapacitors. <i>Carbon</i> , 2012 , 50, 5167-5175	10.4	76
132	Gaseous catalytic hydrogenation of nitrobenzene to aniline in a two-stage fluidized bed reactor. <i>Applied Catalysis A: General</i> , 2005 , 286, 30-35	5.1	76
131	Elastic deformation of multiwalled carbon nanotubes in electrospun MWCNTs/PEO and MWCNTs/PVA nanofibers. <i>Polymer</i> , 2005 , 46, 12689-12695	3.9	73
130	High capacity gas storage in corrugated porous graphene with a specific surface area-lossless tightly stacking manner. <i>Chemical Communications</i> , 2012 , 48, 6815-7	5.8	72
129	Conversion of methanol to aromatics in fluidized bed reactor. <i>Catalysis Today</i> , 2014 , 233, 8-13	5.3	71
128	Chemical vapor deposition derived flexible graphene paper and its application as high performance anodes for lithium rechargeable batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 408-414	13	70
127	Atmospheric pressure synthesis of nanosized ZSM-5 with enhanced catalytic performance for methanol to aromatics reaction. <i>Catalysis Science and Technology</i> , 2014 , 4, 3840-3844	5.5	69

126	CO ₂ -Assisted SWNT Growth on Porous Catalysts. <i>Chemistry of Materials</i> , 2007 , 19, 1226-1230	9.6	68
125	Bayberry-like ZnO/MFI zeolite as high performance methanol-to-aromatics catalyst. <i>Chemical Communications</i> , 2016 , 52, 2011-4	5.8	67
124	Screening of hydrocarbons as supercritical ORCs working fluids by thermal stability. <i>Energy Conversion and Management</i> , 2016 , 126, 632-637	10.6	63
123	The evaluation of the gross defects of carbon nanotubes in a continuous CVD process. <i>Carbon</i> , 2003 , 41, 2613-2617	10.4	61
122	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	29.3	59
121	Gas-Phase Catalytic Hydrochlorination of Acetylene in a Two-Stage Fluidized-Bed Reactor. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 128-133	3.9	58
120	Centrifugation-free and high yield synthesis of nanosized H-ZSM-5 and its structure-guided aromatization of methanol to 1,2,4-trimethylbenzene. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 19797-19808	13.8	57
119	Dramatic enhancements in toughness of polyimide nanocomposite via long-CNT-induced long-range creep. <i>Journal of Materials Chemistry</i> , 2012 , 22, 7050		57
118	One-step synthesis of a graphene-carbon nanotube hybrid decorated by magnetic nanoparticles. <i>Carbon</i> , 2012 , 50, 2764-2771	10.4	55
117	Enhanced catalytic activity of sub-nanometer titania clusters confined inside double-wall carbon nanotubes. <i>ChemSusChem</i> , 2011 , 4, 975-80	8.3	52
116	Synthesis of graphene from asphaltene molecules adsorbed on vermiculite layers. <i>Carbon</i> , 2013 , 62, 213-224	12.4	50
115	Ferromagnetism in nanomesh graphene. <i>Carbon</i> , 2013 , 51, 390-396	10.4	50
114	Enhanced actuation in functionalized carbon nanotube/Nafion composites. <i>Sensors and Actuators B: Chemical</i> , 2011 , 156, 187-193	8.5	48
113	Hierarchical agglomerates of carbon nanotubes as high-pressure cushions. <i>Nano Letters</i> , 2008 , 8, 1323-7	11.5	48
112	The Application of Carbon Nanotube/Graphene-Based Nanomaterials in Wastewater Treatment. <i>Small</i> , 2020 , 16, e1902301	11	44
111	A novel low-temperature method to grow single-crystal ZnO nanorods. <i>Journal of Crystal Growth</i> , 2004 , 271, 353-357	1.6	43
110	Oil sorption and recovery by using vertically aligned carbon nanotubes. <i>Carbon</i> , 2010 , 48, 4197-4200	10.4	41
109	Liquefied petroleum gas containing sulfur as the carbon source for carbon nanotube forests. <i>Carbon</i> , 2008 , 46, 291-296	10.4	41

108	Thermal stability of some hydrofluorocarbons as supercritical ORCs working fluids. <i>Applied Thermal Engineering</i> , 2018 , 128, 1095-1101	5.8	40
107	MgO-catalyzed growth of N-doped wrinkled carbon nanotubes. <i>Carbon</i> , 2013 , 56, 38-44	10.4	40
106	Synthesis of High-Quality, Double-Walled Carbon Nanotubes in a Fluidized Bed Reactor. <i>Chemical Engineering and Technology</i> , 2009 , 32, 73-79	2	38
105	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	21.8	38
104	Direct synthesis of c-axis oriented ZSM-5 nanoneedles from acid-treated kaolin clay. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 3272	13	37
103	Effect of adding nickel to iron/alumina catalysts on the morphology of as-grown carbon nanotubes. <i>Carbon</i> , 2003 , 41, 2487-2493	10.4	37
102	Chemical kinetics method for evaluating the thermal stability of Organic Rankine Cycle working fluids. <i>Applied Thermal Engineering</i> , 2016 , 100, 708-713	5.8	36
101	Crystal-plane effects of MFI zeolite in catalytic conversion of methanol to hydrocarbons. <i>Journal of Catalysis</i> , 2018 , 360, 89-96	7.3	35
100	Raising the performance of a 4 V supercapacitor based on an EMIBF ₄ -single walled carbon nanotube nanofluid electrolyte. <i>Chemical Communications</i> , 2013 , 49, 10727-9	5.8	35
99	EMIMBF ₄ /BL binary electrolyte working at 70 °C and 3.7 V for a high performance graphene-based capacitor. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 3593-3601	13	34
98	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	3.7	34
97	Flexible metal-templated fabrication of mesoporous onion-like carbon and Fe ₂ O ₃ @N-doped carbon foam for electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 13012-13020 ¹³		32
96	Carbon nanotubes for supercapacitors: Consideration of cost and chemical vapor deposition techniques. <i>Journal of Natural Gas Chemistry</i> , 2012 , 21, 233-240		32
95	The effect of phase separation in Fe/Mg/Al/O catalysts on the synthesis of DWCNTs from methane. <i>Carbon</i> , 2007 , 45, 1645-1650	10.4	32
94	Nano-size MZnAl (M = Cu, Co, Ni) metal oxides obtained by combining hydrothermal synthesis with urea homogeneous precipitation procedures. <i>Applied Clay Science</i> , 2010 , 48, 203-207	5.2	30
93	Synthesis of high quality single-walled carbon nanotubes on natural sepiolite and their use for phenol absorption. <i>Carbon</i> , 2011 , 49, 1568-1580	10.4	29
92	In situ growth of carbon nanotubes on inorganic fibers with different surface properties. <i>Materials Chemistry and Physics</i> , 2008 , 107, 317-321	4.4	29
91	Interwall Friction and Sliding Behavior of Centimeters Long Double-Walled Carbon Nanotubes. <i>Nano Letters</i> , 2016 , 16, 1367-74	11.5	28

90	A single-molecule van der Waals compass. <i>Nature</i> , 2021 , 592, 541-544	50.4	28
89	Conversion of methanol with C ₅ -C ₆ hydrocarbons into aromatics in a two-stage fluidized bed reactor. <i>Catalysis Today</i> , 2016 , 264, 63-69	5.3	27
88	Temperature effect on the substrate selectivity of carbon nanotube growth in floating chemical vapor deposition. <i>Nanotechnology</i> , 2007 , 18, 415703	3.4	27
87	Carbon nanotubes containing iron and molybdenum particles as a catalyst for methane decomposition. <i>Carbon</i> , 2003 , 41, 846-848	10.4	27
86	Highly electroconductive mesoporous activated carbon fibers and their performance in the ionic liquid-based electrical double-layer capacitors. <i>Carbon</i> , 2019 , 154, 1-6	10.4	26
85	Enhanced Activation and Decomposition of CH ₄ by the Addition of C ₂ H ₄ or C ₂ H ₂ for Hydrogen and Carbon Nanotube Production. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 7588-7593	3.8	26
84	Regulation of Ni-CNT Interaction on Mn-Promoted Nickel Nanocatalysts Supported on Oxygenated CNTs for CO Selective Hydrogenation. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 41224-41236	9.5	26
83	Ionic liquid coated single-walled carbon nanotube buckypaper as supercapacitor electrode. <i>Particuology</i> , 2013 , 11, 409-414	2.8	25
82	The reason for the low density of horizontally aligned ultralong carbon nanotube arrays. <i>Carbon</i> , 2013 , 52, 232-238	10.4	25
81	Large scale production of carbon nanotube arrays on the sphere surface from liquefied petroleum gas at low cost. <i>Science Bulletin</i> , 2007 , 52, 2896-2902		25
80	What causes the carbon nanotubes collapse in a chemical vapor deposition process. <i>Journal of Chemical Physics</i> , 2003 , 118, 878-882	3.9	24
79	Integrating carbon nanotube into activated carbon matrix for improving the performance of supercapacitor. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2012 , 177, 1138-1143	3.1	23
78	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	5.5	22
77	Preparation of exfoliated graphite containing manganese oxides with high electrochemical capacitance by microwave irradiation. <i>Carbon</i> , 2009 , 47, 3371-3374	10.4	22
76	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	19.4	22
75	High-yield production of aromatics from methanol using a temperature-shifting multi-stage fluidized bed reactor technology. <i>Chemical Engineering Journal</i> , 2019 , 371, 639-646	14.7	21
74	Large area growth of aligned CNT arrays on spheres: Cost performance and product control. <i>Materials Letters</i> , 2009 , 63, 84-87	3.3	21
73	High Selectivity Production of Propylene from n-Butene: Thermodynamic and Experimental Study Using a Shape Selective Zeolite Catalyst. <i>Catalysis Letters</i> , 2008 , 125, 380-385	2.8	21

72	Multi-walled carbon nanotube-based carbon/carbon composites with three-dimensional network structures. <i>Nanoscale</i> , 2013 , 5, 6181-6	7.7	20
71	Review of the Working Fluid Thermal Stability for Organic Rankine Cycles. <i>Journal of Thermal Science</i> , 2019 , 28, 597-607	1.9	19
70	A multi-stage fluidized bed strategy for the enhanced conversion of methanol into aromatics. <i>Chemical Engineering Science</i> , 2019 , 204, 1-8	4.4	19
69	Carbon nanotube production and application in energy storage. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2013 , 8, 234-245	1.3	19
68	Synthesis of thin-walled carbon nanotubes from methane by changing the Ni/Mo ratio in a Ni/Mo/MgO catalyst. <i>New Carbon Materials</i> , 2008 , 23, 319-325	4.4	18
67	Equilibrium analysis of methylbenzene intermediates for a methanol-to-olefins process. <i>Catalysis Science and Technology</i> , 2016 , 6, 1297-1301	5.5	17
66	Very High-Quality Single-Walled Carbon Nanotubes Grown Using a Structured and Tunable Porous Fe/MgO Catalyst. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 20178-20183	3.8	17
65	FEW WALLED CARBON NANOTUBE PRODUCTION IN LARGE-SCALE BY NANO-AGGLOMERATE FLUIDIZED-BED PROCESS. <i>Nano</i> , 2008 , 03, 45-50	1.1	17
64	Selective Synthesis of Single/Double/Multi-walled Carbon Nanotubes on MgO-Supported Fe Catalyst. <i>Chinese Journal of Catalysis</i> , 2008 , 29, 1138-1144	11.3	17
63	Synthesis of carbon nanotubes with totally hollow channels and/or with totally copper filled nanowires. <i>Applied Physics A: Materials Science and Processing</i> , 2006 , 86, 265-269	2.6	17
62	Insight into the Effects of Water on the Ethene to Aromatics Reaction with HZSM-5. <i>ACS Catalysis</i> , 2020 , 10, 5288-5298	13.1	16
61	Mesoporous tubular graphene electrode for high performance supercapacitor. <i>Chinese Chemical Letters</i> , 2018 , 29, 599-602	8.1	16
60	Experimental study of non-uniform bubble growth in deep fluidized beds. <i>Chemical Engineering Science</i> , 2018 , 176, 515-523	4.4	16
59	Molded MFI nanocrystals as a highly active catalyst in a methanol-to-aromatics process. <i>RSC Advances</i> , 2016 , 6, 81198-81202	3.7	16
58	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	13.1	16
57	Full capacitance potential of SWCNT electrode in ionic liquids at 4 V. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 19897-19902	13	15
56	Synthesis of Single-Walled Carbon Nanotubes with Narrow Diameter Distribution by Calcination of a Mo-Modified Fe/MgO Catalyst. <i>Chinese Journal of Catalysis</i> , 2008 , 29, 617-623	11.3	15
55	Oxygen-assisted synthesis of SWNTs from methane decomposition. <i>Nanotechnology</i> , 2007 , 18, 215610	3.4	15

54	Resilient, mesoporous carbon nanotube-based strips as adsorbents of dilute organics in water. <i>Carbon</i> , 2018 , 132, 329-334	10.4	14
53	Highly selective synthesis of large aromatic molecules with nano-zeolite: beyond the shape selectivity effect. <i>RSC Advances</i> , 2017 , 7, 14309-14313	3.7	13
52	Influence of alkane working fluid decomposition on supercritical organic Rankine cycle systems. <i>Energy</i> , 2018 , 153, 422-430	7.9	13
51	Granulated Carbon Nanotubes as the Catalyst Support for Pt for the Hydrogenation of Nitrobenzene. <i>Australian Journal of Chemistry</i> , 2010 , 63, 131	1.2	13
50	The formation mechanism of the coaxial carbon-metal nanowires in a chemical vapor deposition process. <i>Solid State Communications</i> , 2003 , 126, 365-367	1.6	13
49	Graphene-carbon nanotube hybrids as robust, rapid, reversible adsorbents for organics. <i>Carbon</i> , 2017 , 116, 409-414	10.4	12
48	A nitrogen-doped mesopore-dominated carbon electrode allied with anti-freezing EMIBF ₄ /GBL electrolyte for superior low-temperature supercapacitors. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 10386-10394	13	12
47	High strength composites using interlocking carbon nanotubes in a polyimide matrix. <i>Carbon</i> , 2013 , 60, 102-108	10.4	12
46	Gas-flow assisted bulk synthesis of V-type SnO ₂ nanowires. <i>Journal of Crystal Growth</i> , 2005 , 285, 49-53	1.6	12
45	Design of parallel cyclones based on stability analysis. <i>AIChE Journal</i> , 2016 , 62, 4251-4258	3.6	12
44	Screening of working fluids and metal materials for high temperature organic Rankine cycles by compatibility. <i>Journal of Renewable and Sustainable Energy</i> , 2017 , 9, 024702	2.5	11
43	Facile manipulation of individual carbon nanotubes assisted by inorganic nanoparticles. <i>Nanoscale</i> , 2013 , 5, 6584-8	7.7	11
42	One-pot Synthesis of Ordered Mesoporous NiCeAl Oxide Catalysts and a Study of Their Performance in Methane Dry Reforming. <i>ChemCatChem</i> , 2014 , 6, n/a-n/a	5.2	11
41	Nanobelt-carbon nanotube cross-junction solar cells. <i>Energy and Environmental Science</i> , 2012 , 5, 6119	35.4	11
40	Process simulation of the syngas-to-aromatics processes: Technical economics aspects. <i>Chemical Engineering Science</i> , 2020 , 212, 115328	4.4	11
39	Enhancing 5 V capacitor performance by adding single walled carbon nanotubes into an ionic liquid electrolyte. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15858-15862	13	10
38	Highly selective synthesis of single-walled carbon nanotubes from methane in a coupled Downer-turbulent fluidized-bed reactor. <i>Journal of Energy Chemistry</i> , 2013 , 22, 567-572	12	10
37	Instability of uniform fluidization. <i>Chemical Engineering Science</i> , 2017 , 173, 187-195	4.4	10

36	SYNTHESIS OF SINGLE-WALLED CARBON NANOTUBES FROM LIQUEFIED PETROLEUM GAS. <i>Nano</i> , 2008 , 03, 95-100	1.1	10
35	Perspective to the Potential Use of Graphene in Li-Ion Battery and Supercapacitor. <i>Chemical Record</i> , 2019 , 19, 1256-1262	6.6	10
34	Formation mechanism of carbon encapsulated Fe nanoparticles in the growth of single-/double-walled carbon nanotubes. <i>Chemical Engineering Journal</i> , 2013 , 223, 617-622	14.7	9
33	Thermal stability of hexamethyldisiloxane (MM) as a working fluid for organic Rankine cycle. <i>International Journal of Energy Research</i> , 2019 , 43, 896-904	4.5	9
32	In situ imaging of the sorption-induced subcell topological flexibility of a rigid zeolite framework.. <i>Science</i> , 2022 , 376, 491-496	33.3	9
31	High yield production of C ₂ –C ₃ olefins and para-xylene from methanol using a SiO ₂ -coated FeO _x /ZSM-5 catalyst. <i>RSC Advances</i> , 2017 , 7, 28940-28944	3.7	8
30	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	7.7	8
29	Temperature-dependent secondary conversion of primary products from methanol aromatization in a two-stage fluidized bed. <i>Fuel</i> , 2020 , 267, 117204	7.1	8
28	Catalytic methane technology for carbon nanotubes and graphene. <i>Reaction Chemistry and Engineering</i> , 2020 , 5, 991-1004	4.9	8
27	Architectural and mechanical performances of carbon nanotube agglomerates characterized by compaction response. <i>Powder Technology</i> , 2011 , 211, 226-231	5.2	8
26	Carbon nanotubes with large cores produced by adding sodium carbonate to the catalyst. <i>Carbon</i> , 2003 , 41, 2683-2686	10.4	8
25	Synthesis of well-dispersed ZnO nanomaterials by directly calcining zinc stearate. <i>Journal of Alloys and Compounds</i> , 2009 , 472, 343-346	5.7	7
24	Synthesis of Vertically Aligned CNTs with Hollow Channel on Al ₂ O ₃ /Al Substrate Electroplated with Fe Nanoparticles. <i>Journal of the Electrochemical Society</i> , 2008 , 155, K180	3.9	7
23	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	2.3	7
22	Super resilience of a compacted mixture of natural graphite and agglomerated carbon nanotubes under cyclic compression. <i>Carbon</i> , 2010 , 48, 309-312	10.4	6
21	Synthesis of dispersed ZrO ₂ nano-laminae composed of ZrO ₂ nanocrystals. <i>Materials Letters</i> , 2006 , 60, 3104-3108	3.3	6
20	Resolving atomic SAPO-34/18 intergrowth architectures for methanol conversion by identifying light atoms and bonds. <i>Nature Communications</i> , 2021 , 12, 2212	17.4	6
19	RECTOR TECHNOLOGY FOR METHANOL TO AROMATICS 2017 , 295-311		5

18	Analyzing transfer properties of zeolites using small-world networks. <i>Nanoscale</i> , 2018 , 10, 16431-16433	7.7	5
17	Mechanical Behavior of Single and Bundled Defect-Free Carbon Nanotubes. <i>Accounts of Materials Research</i> ,	7.5	5
16	Decentralized methanol feed in a two-stage fluidized bed for process intensification of methanol to aromatics. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020 , 154, 108049	3.7	5
15	Reaction and deactivation of propylene over SAPO-34 at low temperature. <i>Catalysis Today</i> , 2018 , 301, 244-247	5.3	4
14	?????????????. <i>Scientia Sinica Chimica</i> , 2013 , 43, 641-666	1.6	4
13	Enhanced production of aromatics from propane with a temperature-shifting two-stage fluidized bed reactor.. <i>RSC Advances</i> , 2019 , 9, 26532-26536	3.7	3
12	Carbon nanotube-alumina strips as robust, rapid, reversible adsorbents of organics.. <i>RSC Advances</i> , 2018 , 8, 10715-10718	3.7	3
11	High-yield Synthesis of Nanohybrid Shish-kebab Polyethylene-carbon Nanotube Structure. <i>Chinese Journal of Chemical Engineering</i> , 2013 , 21, 37-43	3.2	3
10	The analysis of hot spots in large scale fluidized bed reactors. <i>RSC Advances</i> , 2017 , 7, 20186-20191	3.7	2
9	Rational Design of Zinc/Zeolite Catalyst: Selective Formation of p-Xylene from Methanol to Aromatics Reaction.. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	2
8	Ultrafast Nonvolatile Ionic Liquids-Based Supercapacitors with Al Foam-Enhanced Carbon Electrode. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 53904-53914	9.5	2
7	Material Compatibility of Hexamethyldisiloxane as Organic Rankine Cycle Working Fluids at High Temperatures. <i>Journal of Thermal Science</i> , 2020 , 29, 25-31	1.9	2
6	Monochromatic Carbon Nanotube Tangles Grown by Microfluidic Switching between Chaos and Fractals. <i>ACS Nano</i> , 2021 , 15, 5129-5137	16.7	2
5	Phase coexistence in fluidization. <i>AIChE Journal</i> ,	3.6	1
4	High-Performance Graphene/Carbon Nanotube-Based Adsorbents for Treating Diluted -Cresol in Water in a Pilot-Plant Scale Demo. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 43266-43272	9.5	0
3	Advances in Precise Structure Control and Assembly toward the Carbon Nanotube Industry (Adv. Funct. Mater. 11/2022). <i>Advanced Functional Materials</i> , 2022 , 32, 2270067	15.6	0
2	Advances in Precise Structure Control and Assembly toward the Carbon Nanotube Industry. <i>Advanced Functional Materials</i> , 2022 , 32, 2109401	15.6	0
1	Large scale synthesis of vertical aligned CNT array on irregular quartz particles. <i>Materials Research Society Symposia Proceedings</i> , 2008 , 1081, 1		

