

Feng Yu

List of Publications by Year in descending order

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docs citations

201
times ranked

9515
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced oxygen reduction reaction performance of Co@N ^o C derived from metal-organic frameworks ZIF-67 via a continuous microchannel reactor. Chinese Chemical Letters, 2023, 34, 107128.	4.8	7
2	Robust photo-assisted removal of NO at room temperature: Experimental and density functional theory calculation with optical carrier. Green Energy and Environment, 2023, 8, 1102-1116.	4.7	2
3	Ni-Al mixed metal oxide with rich oxygen vacancies: CO methanation performance and density functional theory study. Chinese Journal of Chemical Engineering, 2022, 46, 73-83.	1.7	1
4	Fabrication of surface oxygen vacancies on NiMnAl-LDO catalyst by high-shear mixer-assisted preparation for low-temperature CO ₂ methanation. Fuel, 2022, 309, 122099.	3.4	14
5	3D Cross-linked Ti ₃ C ₂ T _x -Ca-SA films with expanded Ti ₃ C ₂ T _x interlayer spacing as freestanding electrode for all-solid-state flexible pseudocapacitor. Journal of Colloid and Interface Science, 2022, 610, 295-303.	5.0	11
6	Construction of graphitic-N-rich TiO ₂ -N-C interfaces via dye dissociation and reassembly for efficient oxygen evolution reaction. Chemical Engineering Journal, 2022, 431, 133246.	6.6	11
7	Visible-light-activated TiO ₂ @NiFe ₂ O ₄ heterojunction for detecting sub-ppm trimethylamine. Journal of Alloys and Compounds, 2022, 898, 162990.	2.8	9
8	Enhanced carbon dioxide capture performance of natural mineral vermiculite-derived lithium silicate with Na doping. , 2022, 12, 263-272.		2
9	Photo-Assisted CO/CO ₂ Methanation over Ni/TiO ₂ Catalyst: Experiment and Density Functional Theory Calculation. ChemCatChem, 2022, 14, .	1.8	3
10	CuCeO _x /VMT powder and monolithic catalyst for CO-selective catalytic reduction of NO with CO. New Journal of Chemistry, 2022, 46, 10422-10432.	1.4	2
11	Enhanced photoelectrochemical performance of ZnO/NiFe-layered double hydroxide for water splitting: Experimental and photo-assisted density functional theory calculations. Journal of Colloid and Interface Science, 2022, 623, 285-293.	5.0	9
12	Facile Synthesis of Metal-Organic Framework ZIF-67 via a Multi-Inlet Vortex Mixer Using Various Solvents: MeOH, EtOH, H ₂ O, and Baijiu. Industrial & Engineering Chemistry Research, 2022, 61, 7952-7961.	1.8	4
13	Enhanced low-temperature CO-SCR denitration performance and mechanism of two-dimensional CuCoAl layered double oxide. Journal of Environmental Chemical Engineering, 2022, 10, 108030.	3.3	13
14	Confined Jet Impingement Continuous Microchannel Reactor Synthesis of Ultrahigh-Quality Mesoporous Silica Nanospheres for CO ₂ Capture. Industrial & Engineering Chemistry Research, 2022, 61, 9300-9310.	1.8	2
15	La-enhanced Ni nanoparticles highly dispersed on SiC for low-temperature CO methanation performance. Rare Metals, 2021, 40, 1753-1761.	3.6	5
16	Cobalt substituted polyoxophosphomolybdate modified TiO ₂ for boosted photoelectrocatalytic water oxidation. Journal of Alloys and Compounds, 2021, 854, 157232.	2.8	8
17	CO ₂ conversion in a coaxial dielectric barrier discharge plasma reactor in the presence of mixed ZrO ₂ -CeO ₂ . Journal of Environmental Chemical Engineering, 2021, 9, 104654.	3.3	16
18	Directly application of bimetallic 2D-MOF for advanced electrocatalytic oxygen evolution. International Journal of Hydrogen Energy, 2021, 46, 416-424.	3.8	30

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19	Self-synergistic cobalt catalysts with symbiotic metal single-atoms and nanoparticles for efficient oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 1127-1133.	5.2	21
20	NaKB ₆ O ₉ F ₂ : a new complex alkali metal fluorooxoborate with puckered layers. <i>New Journal of Chemistry</i> , 2021, 45, 2974-2980.	1.4	7
21	Multifunctional book-like CuCo-MOF for highly sensitive glucose detection and electrocatalytic oxygen evolution. <i>New Journal of Chemistry</i> , 2021, 45, 16714-16721.	1.4	21
22	Na ₂ La ₂ B ₁₀ O ₁₉ : a new lanthanum sodium borate with infinite 2D layer $2\tilde{z}[B_{10}O_{19}]^{\sup>8\tilde{y}}$ and moderate birefringence. <i>New Journal of Chemistry</i> , 2021, 45, 13592-13598.	1.4	4
23	A new acentric borate–nitrate Cs ₃ B ₈ O ₁₃ (NO ₃) with interpenetrating porous 3D covalent and ionic lattices. <i>Dalton Transactions</i> , 2021, 50, 8676-8679.	1.6	4
24	Three-dimensional porous Mn–Ni/Al ₂ O ₃ microspheres for enhanced low temperature CO hydrogenation to produce methane. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 7912-7925.	3.8	6
25	Review of ZnO-based nanomaterials in gas sensors. <i>Solid State Ionics</i> , 2021, 360, 115544.	1.3	211
26	A review of biomass-derived graphene and graphene-like carbons for electrochemical energy storage and conversion. <i>New Carbon Materials</i> , 2021, 36, 350-372.	2.9	29
27	Reducing N ₂ O Formation over CO–SCR Systems with CuCe Mixed Metal Oxides. <i>ChemCatChem</i> , 2021, 13, 2709-2718.	1.8	32
28	Enhanced low-temperature CO/CO ₂ methanation performance of Ni/Al ₂ O ₃ microspheres prepared by the spray drying method combined with high shear mixer-assisted coprecipitation. <i>Fuel</i> , 2021, 291, 120127.	3.4	11
29	Ethanol Sensing Properties and First Principles Study of Au Supported on Mesoporous ZnO Derived from Metal Organic Framework ZIF-8. <i>Sensors</i> , 2021, 21, 4352.	2.1	12
30	Active sites engineering via tuning configuration between graphitic-N and thiophenic-S dopants in one-step synthesized graphene nanosheets for efficient water-cycled electrocatalysis. <i>Chemical Engineering Journal</i> , 2021, 416, 129096.	6.6	27
31	Understanding the CO ₂ chemical reaction path on Li ₆ ZnO ₄ , a new possible high temperature CO ₂ captor. <i>Chemical Engineering Journal</i> , 2021, 417, 129205.	6.6	14
32	3D-printed monolithic catalyst of Mn-Ce-Fe/attapulgitite for selective catalytic reduction of nitric oxide with ammonia at low temperature. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105753.	3.3	9
33	Modification of NiFe layered double hydroxide by lanthanum doping for boosting water splitting. <i>Electrochimica Acta</i> , 2021, 390, 138824.	2.6	30
34	The Effect of Mass Transfer Rate-Time in Bubbles on Removal of Azoxystrobin in Water by Micro-Sized Jet Array Discharge. <i>Catalysts</i> , 2021, 11, 1169.	1.6	3
35	Ultralow specific surface area vermiculite supporting Mn-Ce-Fe mixed oxides as “curling catalysts” for selective catalytic reduction of NO with NH ₃ . <i>Green Chemical Engineering</i> , 2021, 2, 284-293.	3.3	10
36	Two-dimensional vermiculite carried CuCoCe catalysts for CO-SCR in the presence of O ₂ and H ₂ O: Experimental and DFT calculation. <i>Chemical Engineering Journal</i> , 2021, 422, 130099.	6.6	48

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37	Revealing the active sites of the structured Ni-based catalysts for one-step CO ₂ /CH ₄ conversion into oxygenates by plasma-catalysis. <i>Journal of CO₂ Utilization</i> , 2021, 52, 101675.	3.3	24
38	Transition-metal-doped ceria carried on two-dimensional vermiculite for selective catalytic reduction of NO with CO: Experiments and density functional theory. <i>Applied Surface Science</i> , 2021, 566, 150704.	3.1	21
39	Two-dimensional layered double hydroxides as a platform for electrocatalytic oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9389-9430.	5.2	83
40	Robust Artificial Solid-Electrolyte Interfaces with Biomimetic Ionic Channels for Dendrite-Free Li Metal Anodes. <i>Advanced Energy Materials</i> , 2021, 11, 2003496.	10.2	64
41	Light-Excited Ag-Doped TiO ₂ /CoFe ₂ O ₄ Heterojunction Applied to Toluene Gas Detection. <i>Nanomaterials</i> , 2021, 11, 3261.	1.9	3
42	The influence of Pt loading and dispersion on the NO _x storage and reduction performance of Pt/K ₂ CO ₃ /Co ₁ Mg ₂ Al ₁ O _x catalysts. <i>Catalysis Today</i> , 2020, 339, 148-158.	2.2	11
43	Overwhelming electrochemical oxygen reduction reaction of zinc-nitrogen-carbon from biomass resource chitosan via a facile carbon bath method. <i>Chinese Chemical Letters</i> , 2020, 31, 1207-1212.	4.8	13
44	Walnut shell-derived hierarchical porous carbon with high performances for electrocatalytic hydrogen evolution and symmetry supercapacitors. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 443-451.	3.8	55
45	Zinc and Nitrogen-Doped Carbon In-Situ Wrapped ZnO Nanoparticles as a High-Activity Catalyst for Acetylene Acetoxylation. <i>Catalysis Letters</i> , 2020, 150, 1155-1162.	1.4	12
46	K _{2.64} Cs _{0.36} SiF ₇ : a new fluorosilicate with a trans-perovskite structure. <i>New Journal of Chemistry</i> , 2020, 44, 2727-2732.	1.4	3
47	Polyoxometalate intercalated NiFe layered double hydroxides for advanced water oxidation. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 1802-1809.	3.8	37
48	3D Model of an Order-Structured Cathode Catalyst Layer with Vertically Aligned Carbon Nanotubes for PEM Fuel Cells under the Water Flooding Condition. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 695-705.	3.2	9
49	Up-scaled synthesis of flower-like SiO ₂ microspheres via continuous flash nanoprecipitation and their application as a catalyst support. <i>Energy Reports</i> , 2020, 6, 2724-2734.	2.5	0
50	Combustion Products of Calcium Carbide Reused by Cu-Based Catalysts for Acetylene Carbonylation. <i>ACS Omega</i> , 2020, 5, 27692-27701.	1.6	3
51	Improved oxygen reduction performance of a N, S co-doped graphene-like carbon prepared by a simple carbon bath method. <i>New Carbon Materials</i> , 2020, 35, 531-539.	2.9	15
52	Synthesis of Co _{2-2x} Ni _x O ₂ (0 < x < 1.0) hexagonal nanostructures as efficient bifunctional electrocatalysts for overall water splitting. <i>Dalton Transactions</i> , 2020, 49, 6587-6595.	1.6	20
53	New Catalytic and Sorption Bifunctional Li ₆ CoO ₄ Material for Carbon Monoxide Oxidation and Subsequent Chemisorption. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 10823-10831.	1.8	6
54	A facile approach to synthesize CoO-Co ₃ O ₄ /TiO ₂ NAs for reinforced photoelectrocatalytic water oxidation. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 941-950.	1.2	4

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55	In situ molecular-level synthesis of N, S co-doped carbon as efficient metal-free oxygen redox electrocatalysts for rechargeable Zn-Air batteries. <i>Applied Materials Today</i> , 2020, 20, 100737.	2.3	22
56	Revealing the dependence of active site configuration of N doped and N, S-co-doped carbon nanospheres on six-membered heterocyclic precursors for oxygen reduction reaction. <i>Journal of Catalysis</i> , 2020, 389, 677-689.	3.1	33
57	Plasma for Energy and Catalytic Nanomaterials. <i>Nanomaterials</i> , 2020, 10, 333.	1.9	4
58	Two-dimensional MnFeCo layered double oxide as catalyst for enhanced selective catalytic reduction of NO _x with NH ₃ at low temperature (25-150 °C). <i>Applied Catalysis A: General</i> , 2020, 592, 117432.	2.2	25
59	Enhanced selective catalytic reduction of NO with CO over Cu/C nanoparticles synthesized from a Cu-benzene-1,3,5-tricarboxylate metal organic framework by a continuous spray drying process. <i>Chemical Engineering Journal</i> , 2020, 388, 124270.	6.6	25
60	Overwhelming low ammonia escape and low temperature denitration efficiency via MnO ₂ -decorated two-dimensional MgAl layered double oxides. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 1925-1934.	1.7	5
61	Uniformly dispersed Fe ₃ C (~5 nm) in Fe-N-doped carbon nanosheets derived from coal tar pitch as efficient electrocatalysts for oxygen reduction reaction. <i>Materials Letters</i> , 2020, 273, 127861.	1.3	7
62	Preparation of highly dispersed supported Ni-Based catalysts and their catalytic performance in low temperature for CO methanation. <i>Carbon Resources Conversion</i> , 2020, 3, 164-172.	3.2	4
63	Fe ₃ O ₄ /Fe ₃ C@Nitrogen-Doped Carbon for Enhancing Oxygen Reduction Reaction. <i>ChemNanoMat</i> , 2019, 5, 187-193.	1.5	15
64	Naphthalene-modulated microporous carbon layers of LiFePO ₄ improve the high-rate electrochemical performance. <i>Journal of Energy Chemistry</i> , 2019, 30, 84-89.	7.1	8
65	A review of recent advances in two-dimensional natural clay vermiculite-based nanomaterials. <i>Materials Research Express</i> , 2019, 6, 102002.	0.8	31
66	Flocculant-Assisted Synthesis of Graphene-Like Carbon Nanosheets for Oxygen Reduction Reaction and Supercapacitor. <i>Nanomaterials</i> , 2019, 9, 1135.	1.9	10
67	Preparation of mesoporous CoNiO ₂ hexagonal nanoparticles for asymmetric supercapacitors via a hydrothermal microwave carbon bath process. <i>New Journal of Chemistry</i> , 2019, 43, 15066-15071.	1.4	4
68	N, S Dual-Doped Carbon Derived from Dye Sludge by Using Polymeric Flocculant as Soft Template. <i>Nanomaterials</i> , 2019, 9, 991.	1.9	4
69	Two-dimensional NiAl layered double oxides as non-noble metal catalysts for enhanced CO methanation performance at low temperature. <i>Fuel</i> , 2019, 255, 115770.	3.4	26
70	Hierarchical CoNiO ₂ polyhedral mesoporous nanoparticles: Hydrothermal microwave carbon bath process synthesis and ultrahigh electrochemical activity for detection of Cu(II). <i>Electrochimica Acta</i> , 2019, 320, 134581.	2.6	9
71	K5B19O31: A Deep-Ultraviolet Congruent Melting Compound. <i>ChemistrySelect</i> , 2019, 4, 10436-10441.	0.7	4
72	A Review of Recent Advances of Dielectric Barrier Discharge Plasma in Catalysis. <i>Nanomaterials</i> , 2019, 9, 1428.	1.9	73

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73	Highly Efficient Multifunctional Co-N-C Electrocatalysts with Synergistic Effects of Co-N Moieties and Co Metallic Nanoparticles Encapsulated in a N-Doped Carbon Matrix for Water-Splitting and Oxygen Redox Reactions. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 39809-39819.	4.0	80
74	Nitrogen and Sulfur Co-Doped Graphene-Like Carbon from Industrial Dye Wastewater for Use as a High-Performance Supercapacitor Electrode. <i>Global Challenges</i> , 2019, 3, 1900043.	1.8	17
75	A Review on the Promising Plasma-Assisted Preparation of Electrocatalysts. <i>Nanomaterials</i> , 2019, 9, 1436.	1.9	29
76	DBD Plasma Combined with Different Foam Metal Electrodes for CO ₂ Decomposition: Experimental Results and DFT Validations. <i>Nanomaterials</i> , 2019, 9, 1595.	1.9	13
77	Mn-Ce-Fe-Al mixed oxide nanoparticles via a high shear mixer facilitated coprecipitation method for low temperature selective catalytic reduction of NO with NH ₃ . <i>Applied Catalysis A: General</i> , 2019, 586, 117237.	2.2	23
78	Effective Oxygen Reduction Reaction Performance of FeCo Alloys In Situ Anchored on Nitrogen-Doped Carbon by the Microwave-Assistant Carbon Bath Method and Subsequent Plasma Etching. <i>Nanomaterials</i> , 2019, 9, 1284.	1.9	19
79	Two-dimensional MnAl mixed-metal oxide nanosheets prepared via a high-shear-mixer-facilitated coprecipitation method for enhanced selective catalytic reduction of NO with NH ₃ . <i>Chemical Engineering and Processing: Process Intensification</i> , 2019, 145, 107664.	1.8	10
80	A Critical Review of Recent Progress and Perspective in Practical Denitration Application. <i>Catalysts</i> , 2019, 9, 771.	1.6	27
81	One-step synthesis of nickel-iron layered double hydroxides with tungstate acid anions via flash nano-precipitation for the oxygen evolution reaction. <i>Sustainable Energy and Fuels</i> , 2019, 3, 237-244.	2.5	45
82	Highly active N,S co-doped hierarchical porous carbon nanospheres from green and template-free method for super capacitors and oxygen reduction reaction. <i>Electrochimica Acta</i> , 2019, 318, 272-280.	2.6	60
83	Cu-Doped Porous Carbon Derived from Heavy Metal-Contaminated Sewage Sludge for High-Performance Supercapacitor Electrode Materials. <i>Nanomaterials</i> , 2019, 9, 892.	1.9	15
84	High efficient oxygen reduction performance of Fe/Fe ₃ C nanoparticles in situ encapsulated in nitrogen-doped carbon via a novel microwave-assisted carbon bath method. <i>Nano Materials Science</i> , 2019, 1, 131-136.	3.9	9
85	Highly-Dispersed Ni-NiO Nanoparticles Anchored on an SiO ₂ Support for an Enhanced CO Methanation Performance. <i>Catalysts</i> , 2019, 9, 506.	1.6	77
86	Modulating surface chemistry of heteroatom-rich micropore carbon cloth electrode for aqueous 2.1 V high-voltage window all-carbon supercapacitor. <i>Journal of Power Sources</i> , 2019, 431, 232-238.	4.0	35
87	Enhanced selective catalytic reduction of NO with NH ₃ via porous micro-spherical aggregates of Mn-Ce-Fe-Ti mixed oxide nanoparticles. <i>Green Energy and Environment</i> , 2019, 4, 311-321.	4.7	40
88	Enhanced Photocatalytic Degradation of Organic Dyes via Defect-Rich TiO ₂ Prepared by Dielectric Barrier Discharge Plasma. <i>Nanomaterials</i> , 2019, 9, 720.	1.9	46
89	Molecular-level design of Fe-N-C catalysts derived from Fe-dual pyridine coordination complexes for highly efficient oxygen reduction. <i>Journal of Catalysis</i> , 2019, 372, 245-257.	3.1	56
90	Hydrochlorination of acetylene over the Ru-based catalysts treated by plasma under different atmospheres. <i>Plasma Science and Technology</i> , 2019, 21, 085501.	0.7	6

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91	N-doped Carbon Coated CoO Nanowire Arrays Derived from Zeolitic Imidazolate Framework-67 as Binder-free Anodes for High-performance Lithium Storage. <i>Scientific Reports</i> , 2019, 9, 5934.	1.6	12
92	Synthesis of hierarchical Li ₄ SiO ₄ nanoparticles/flakers composite from vermiculite/MCM-41 hybrid with improved CO ₂ capture performance under different CO ₂ concentrations. <i>Chemical Engineering Journal</i> , 2019, 371, 424-432.	6.6	20
93	Defect-Rich Nickel Nanoparticles Supported on SiC Derived from Silica Fume with Enhanced Catalytic Performance for CO Methanation. <i>Catalysts</i> , 2019, 9, 295.	1.6	7
94	Enhanced CO ₂ decomposition via metallic foamed electrode packed in self-cooling DBD plasma device. <i>Plasma Science and Technology</i> , 2019, 21, 085504.	0.7	24
95	Enhanced low-temperature catalytic carbon monoxide methanation performance <i>via</i> vermiculite-derived silicon carbide-supported nickel nanoparticles. <i>Sustainable Energy and Fuels</i> , 2019, 3, 965-974.	2.5	19
96	Defective ZnS nanoparticles anchored in situ on N-doped carbon as a superior oxygen reduction reaction catalyst. <i>Journal of Energy Chemistry</i> , 2019, 39, 152-159.	7.1	29
97	Synthesis and formation mechanism of monodisperse Mn-Co-Ni-O spinel nanocrystallines. <i>Advanced Powder Technology</i> , 2019, 30, 1269-1276.	2.0	6
98	Nitrogen self-doped porous carbon nanosheets derived from azo dye floes for efficient supercapacitor electrodes. <i>Carbon Letters</i> , 2019, 29, 455-460.	3.3	3
99	Designed formation of NiCo ₂ O ₄ with different morphologies self-assembled from nanoparticles for asymmetric supercapacitors and electrocatalysts for oxygen evolution reaction. <i>Electrochimica Acta</i> , 2019, 296, 719-729.	2.6	86
100	An ultralight nitrogen-doped carbon aerogel anchored by Ni-NiO nanoparticles for enhanced microwave adsorption performance. <i>Journal of Alloys and Compounds</i> , 2019, 776, 43-51.	2.8	54
101	Improved oxygen reduction reaction via a partially oxidized Co-CoO catalyst on N-doped carbon synthesized by a facile sand-bath method. <i>Chinese Chemical Letters</i> , 2019, 30, 624-629.	4.8	15
102	Highly selective catalytic reduction of NO _x by MnO _x @CeO ₂ @Al ₂ O ₃ catalysts prepared by self-propagating high-temperature synthesis. <i>Journal of Environmental Sciences</i> , 2019, 75, 124-135.	3.2	31
103	Microspherical MnO ₂ -CeO ₂ -Al ₂ O ₃ mixed oxide for monolithic honeycomb catalyst and application in selective catalytic reduction of NO _x with NH ₃ at 50-150 °C. <i>Chemical Engineering Journal</i> , 2018, 346, 182-192.	6.6	59
104	Voltammetric lidocaine sensor by using a glassy carbon electrode modified with porous carbon prepared from a MOF, and with a molecularly imprinted polymer. <i>Mikrochimica Acta</i> , 2018, 185, 78.	2.5	32
105	3D nitrogen-doped graphite foam@Prussian blue: an electrochemical sensing platform for highly sensitive determination of H ₂ O ₂ and glucose. <i>Mikrochimica Acta</i> , 2018, 185, 86.	2.5	28
106	Nitrogen and Sulfur Self-Doped Activated Carbon Directly Derived from Elm Flower for High-Performance Supercapacitors. <i>ACS Omega</i> , 2018, 3, 4724-4732.	1.6	122
107	Heteroatom-doped porous carbon from methyl orange dye wastewater for oxygen reduction. <i>Green Energy and Environment</i> , 2018, 3, 172-178.	4.7	39
108	Facile synthesis of hollow MnFe ₂ O ₄ nanoboxes based on galvanic replacement reaction for fast and sensitive VOCs sensor. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 589-596.	4.0	34

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109	High-efficiency removal of NO _x using dielectric barrier discharge nonthermal plasma with water as an outer electrode. <i>Plasma Science and Technology</i> , 2018, 20, 014020.	0.7	16
110	Ultralow-weight loading Ni catalyst supported on two-dimensional vermiculite for carbon monoxide methanation. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 1873-1878.	1.7	25
111	N-Doping of plasma exfoliated graphene oxide via dielectric barrier discharge plasma treatment for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2011-2017.	5.2	94
112	pH-responsive chitosan-based flocculant for precise dye flocculation control and the recycling of textile dyeing effluents. <i>RSC Advances</i> , 2018, 8, 39334-39340.	1.7	20
113	Atmospheric-Pressure Cold Plasma Activating Au/P25 for CO Oxidation: Effect of Working Gas. <i>Nanomaterials</i> , 2018, 8, 742.	1.9	16
114	Design of an Extended Experiment with Electrical Double Layer Capacitors: Electrochemical Energy Storage Devices in Green Chemistry. <i>Sustainability</i> , 2018, 10, 3630.	1.6	14
115	High CO Methanation Performance of Two-Dimensional Ni/MgAl Layered Double Oxide with Enhanced Oxygen Vacancies via Flash Nanoprecipitation. <i>Catalysts</i> , 2018, 8, 363.	1.6	30
116	Synthesis of Both Powdered and Preformed MnO _x –CeO ₂ –Al ₂ O ₃ Catalysts by Self-Propagating High-Temperature Synthesis for the Selective Catalytic Reduction of NO _x with NH ₃ . <i>ACS Omega</i> , 2018, 3, 5692-5703.	1.6	17
117	Scalable synthesis of the lithium silicate-based high-temperature CO ₂ sorbent from inexpensive raw material vermiculite. <i>Chemical Engineering Journal</i> , 2018, 349, 562-573.	6.6	51
118	Critical role of iron carbide nanodots on 3D graphene based nonprecious metal catalysts for enhancing oxygen reduction reaction. <i>Electrochimica Acta</i> , 2018, 281, 502-509.	2.6	17
119	Up-scaled flash nano-precipitation production route to develop a MnO _x –CeO ₂ –Al ₂ O ₃ catalyst with enhanced activity and H ₂ O resistant performance for NO _x selective catalytic reduction with NH ₃ . <i>Chemical Engineering Research and Design</i> , 2018, 134, 476-486.	2.7	23
120	Clarification of Active Sites at Interfaces between Silica Support and Nickel Active Components for Carbon Monoxide Methanation. <i>Catalysts</i> , 2018, 8, 293.	1.6	15
121	Methyl Chloride Synthesis over Metal Chlorides-Modified Mesoporous Alumina Catalyst. <i>Catalysts</i> , 2018, 8, 99.	1.6	8
122	Enhanced Low Temperature NO Reduction Performance via MnO _x -Fe ₂ O ₃ /Vermiculite Monolithic Honeycomb Catalysts. <i>Catalysts</i> , 2018, 8, 100.	1.6	38
123	DBD Plasma-ZrO ₂ Catalytic Decomposition of CO ₂ at Low Temperatures. <i>Catalysts</i> , 2018, 8, 256.	1.6	36
124	Two-Dimensional Layered Double Hydroxides for Reactions of Methanation and Methane Reforming in C1 Chemistry. <i>Materials</i> , 2018, 11, 221.	1.3	32
125	Three-Dimensional Honeycomb-Like Porous Carbon with Both Interconnected Hierarchical Porosity and Nitrogen Self-Doping from Cotton Seed Husk for Supercapacitor Electrode. <i>Nanomaterials</i> , 2018, 8, 412.	1.9	52
126	Enhanced Oxygen Vacancies in a Two-Dimensional MnAl-Layered Double Oxide Prepared via Flash Nanoprecipitation Offers High Selective Catalytic Reduction of NO _x with NH ₃ . <i>Nanomaterials</i> , 2018, 8, 620.	1.9	19

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127	Few-layer TiO ₂ nanosheets with N-doped graphene nanosheets as a highly robust anode for lithium-ion batteries. RSC Advances, 2017, 7, 7864-7869.	1.7	10
128	Activated carbon supported VN, Mo ₂ N, and W ₂ N as catalysts for acetylene hydrochlorination. Journal of Industrial and Engineering Chemistry, 2017, 50, 72-78.	2.9	9
129	Direct decomposition of CO ₂ using self-cooling dielectric barrier discharge plasma. , 2017, 7, 721-730.		19
130	Flute type micropores activated carbon from cotton stalk for high performance supercapacitors. Journal of Power Sources, 2017, 359, 88-96.	4.0	161
131	Effective Catalytic Performance of Plasma-Enhanced W ₂ N/AC as Catalysts for Acetylene Hydrochlorination. Topics in Catalysis, 2017, 60, 1016-1023.	1.3	6
132	Highly Active and Stable ZrO ₂ -SiO ₂ -Supported Cu-Catalysts for the Hydrogenation of Dimethyl Oxalate to Methyl Glycolate. ChemistrySelect, 2017, 2, 4823-4829.	0.7	13
133	A free-standing electrochemical sensor based on graphene foam-carbon nanotube composite coupled with gold nanoparticles and its sensing application for electrochemical determination of dopamine and uric acid. Journal of Electroanalytical Chemistry, 2017, 801, 129-134.	1.9	47
134	Two-dimensional porous SiO ₂ nanomesh supported high dispersed Ni nanoparticles for CO methanation. Chemical Engineering Journal, 2017, 326, 774-780.	6.6	28
135	Non-stoichiometric carbon-coated LiFePO ₄ as cathode materials for high-performance Li-ion batteries. RSC Advances, 2017, 7, 33544-33551.	1.7	9
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