Ning Wang

List of Publications by Year
in descending order

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90 papers	7,767 citations	50276 46 h-index	51608 86 g-index
90 all docs	90 docs citations	90 times ranked	8068 citing authors

#	Article	IF	Citations
1	Fabrication of unique Ti0.8Sn0.2O2 double-levels nanoparticles with extremely fine structure and promising photocatalytic activity by dealloying novel Cu-Ti-Sn-Y metallic glasses. Materials Science in Semiconductor Processing, 2022, 141, 106426.	4.0	5
2	Energy efficiency rebound effect research of Chinaâ€™s coal industry. Energy Reports, 2021, 7, 5475-5482.	5.1	28
3	ReS2 nanosheets anchored on rGO as an efficient polysulfides immobilizer and electrocatalyst for Li-S batteries. Applied Surface Science, 2020, 505, 144586.	6.1	23
4	Covalently bonded 3D rebar graphene foam for ultrahigh-areal-capacity lithium-metal anodes by in-situ loose powder metallurgy synthesis. Carbon, 2020, 158, 536-544.	10.3	22
5	Zeoliteâ€Encaged Pdâ€“Mn Nanocatalysts for CO₂ Hydrogenation and Formic Acid Dehydrogenation. Angewandte Chemie - International Edition, 2020, 59, 20183-20191.	13.8	175
6	Ecological Evaluation of Industrial Parks Using a Comprehensive DEA and Inverted-DEA Model. Mathematical Problems in Engineering, 2020, 2020, 1-11.	1.1	2
7	Octopus-Inspired Design of Apical NiS₂ Nanoparticles Supported on Hierarchical Carbon Composites as an Efficient Host for Lithium Sulfur Batteries with High Sulfur Loading. ACS Applied Materials & Interfaces, 2020, 12, 17528-17537.	8.0	12
8	Subnanometer Bimetallic Platinumâ€“Zinc Clusters in Zeolites for Propane Dehydrogenation. Angewandte Chemie - International Edition, 2020, 59, 19450-19459.	13.8	221
9	Nanoporeâ€Supported Metal Nanocatalysts for Efficient Hydrogen Generation from Liquidâ€Phase Chemical Hydrogen Storage Materials. Advanced Materials, 2020, 32, e2001818.	21.0	226
10	Spatially uniform Li deposition realized by 3D continuous duct-like graphene host for high energy density Li metal anode. Carbon, 2020, 161, 198-205.	10.3	43
11	Zeoliteâ€Encaged Singleâ€Atom Rhodium Catalysts: Highlyâ€Efficient Hydrogen Generation and Shapeâ€Selective Tandem Hydrogenation of Nitroarenes. Angewandte Chemie - International Edition, 2019, 58, 18570-18576.	13.8	281
12	Template-Modulated Afterglow of Carbon Dots in Zeolites: Room-Temperature Phosphorescence and Thermally Activated Delayed Fluorescence. , 2019, 1, 58-63.		92
13	Rational design of Co9S8/CoO heterostructures with well-defined interfaces for lithium sulfur batteries: A study of synergistic adsorption-electrocatalysis function. Nano Energy, 2019, 60, 332-339.	16.0	156
14	Synergetic Effect of Ultrasmall Metal Clusters and Zeolites Promoting Hydrogen Generation. Advanced Science, 2019, 6, 1802350.	11.2	70
15	An in-plane Co₉S₈@MoS₂ heterostructure for the hydrogen evolution reaction in alkaline media. Nanoscale, 2019, 11, 21479-21486.	5.6	42
16	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
17	Ultrasmall Metal Nanoparticles Confined within Crystalline Nanoporous Materials: A Fascinating Class of Nanocatalysts. Advanced Materials, 2019, 31, e1803966.	21.0	260
18	Intermediate-crystallization promoted catalytic activity of titanosilicate zeolites. Journal of Materials Chemistry A, 2018, 6, 8757-8762.	10.3	77

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19	Cost-effective synthesis of hierarchical SAPO-34 zeolites with abundant intracrystalline mesopores and excellent MTO performance. Chemical Communications, 2018, 54, 3697-3700.	4.1	54
20	Pd nanoparticles immobilized on carbon nanotubes with a polyaniline coaxial coating for the Heck reaction: coating thickness as the key factor influencing the efficiency and stability of the catalyst. Catalysis Science and Technology, 2018, 8, 1423-1434.	4.1	28
21	Crystal-plane effects of MFI zeolite in catalytic conversion of methanol to hydrocarbons. Journal of Catalysis, 2018, 360, 89-96.	6.2	58
22	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
23	Layered perovskite-like La_{2â”'x}Ca_xNiO_{4Â±Î´} derived catalysts for hydrogen production via auto-thermal reforming of acetic acid. Catalysis Science and Technology, 2018, 8, 3015-3024.	4.1	22
24	Rapid synthesis of rutile TiO2 nano-flowers by dealloying Cu60Ti30Y10 metallic glasses. Applied Surface Science, 2018, 428, 328-337.	6.1	16
25	A new two-dimensional layered germanate with in situ embedded carbon dots for optical temperature sensing. Inorganic Chemistry Frontiers, 2018, 5, 139-144.	6.0	25
26	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
27	A Hollow Porous CdS Photocatalyst. Advanced Materials, 2018, 30, e1804368.	21.0	204
28	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
29	Mesoporogenâ€Free Synthesis of Hierarchical SAPOâ€34 with Low Template Consumption and Excellent Methanolâ€toâ€Olefin Conversion. ChemSusChem, 2018, 11, 3812-3820.	6.8	40
30	Nâ€Doped Graphene Modified 3D Porous Cu Current Collector toward Microscale Homogeneous Li Deposition for Li Metal Anodes. Advanced Energy Materials, 2018, 8, 1800914.	19.5	155
31	Dealloying synthesis of SnO2TiO2 solid solution and composite nanoparticles with excellent photocatalytic activity. Applied Surface Science, 2018, 457, 200-207.	6.1	6
32	Analyzing transfer properties of zeolites using small-world networks. Nanoscale, 2018, 10, 16431-16433.	5.6	9
33	A new ribbon-ignition method for fabricating p-CuO/n-CeO2 heterojunction with enhanced photocatalytic activity. Applied Surface Science, 2017, 403, 699-706.	6.1	43
34	Highly selective synthesis of large aromatic molecules with nano-zeolite: beyond the shape selectivity effect. RSC Advances, 2017, 7, 14309-14313.	3.6	15
35	High-stable Î±-phase NiCo double hydroxide microspheres via microwave synthesis for supercapacitor electrode materials. Chemical Engineering Journal, 2017, 316, 277-287.	12.7	118
36	Synthesis of hierarchical TS-1 zeolites with abundant and uniform intracrystalline mesopores and their highly efficient catalytic performance for oxidation desulfurization. Journal of Materials Chemistry A, 2017, 5, 7992-7998.	10.3	100

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37	Molecular insight into the enhancement of benzene-carbon nanotube interactions by surface modification for drug delivery systems (DDS). Applied Surface Science, 2017, 416, 757-765.	6.1	18
38	Carbon dots in zeolites: A new class of thermally activated delayed fluorescence materials with ultralong lifetimes. Science Advances, 2017, 3, e1603171.	10.3	286
39	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
40	In situ synthesized Li2S@porous carbon cathode for graphite/Li2S full cells using ether-based electrolyte. Electrochimica Acta, 2017, 256, 348-356.	5.2	32
41	Subnanometric Hybrid Pd-M(OH)2, MÂ= Ni, Co, Clusters in Zeolites as Highly Efficient Nanocatalysts for Hydrogen Generation. CheM, 2017, 3, 477-493.	11.7	212
42	Infused-liquid-switchable porous nanofibrous membranes for multiphase liquid separation. Nature Communications, 2017, 8, 575.	12.8	143
43	Nitrogen and oxygen co-doped 3D nanoporous duct-like graphene@carbon nano-cage hybrid films for high-performance multi-style supercapacitors. Journal of Materials Chemistry A, 2017, 5, 18535-18541.	10.3	22
44	Dolomite-Derived Ni-Based Catalysts with Fe Modification for Hydrogen Production via Auto-Thermal Reforming of Acetic Acid. Catalysts, 2016, 6, 85.	3.5	19
45	Improvement of catalytic stability for CO 2 reforming of methane by copper promoted Ni-based catalyst derived from layered-double hydroxides. Journal of Energy Chemistry, 2016, 25, 1078-1085.	12.9	48
46	Simple Quaternary Ammonium Cations-Templated Syntheses of Extra-Large Pore Germanosilicate Zeolites. Chemistry of Materials, 2016, 28, 6455-6458.	6.7	46
47	A top-down approach to hierarchical SAPO-34 zeolites with improved selectivity of olefin. Microporous and Mesoporous Materials, 2016, 234, 401-408.	4.4	86
48	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
49	Molded MFI nanocrystals as a highly active catalyst in a methanol-to-aromatics process. RSC Advances, 2016, 6, 81198-81202.	3.6	21
50	Seeding induced nano-sized hierarchical SAPO-34 zeolites: cost-effective synthesis and superior MTO performance. Journal of Materials Chemistry A, 2016, 4, 14978-14982.	10.3	107
51	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
52	In Situ Confinement of Ultrasmall Pd Clusters within Nanosized Silicalite-1 Zeolite for Highly Efficient Catalysis of Hydrogen Generation. Journal of the American Chemical Society, 2016, 138, 7484-7487.	13.7	507
53	A green surfactant-assisted synthesis of hierarchical TS-1 zeolites with excellent catalytic properties for oxidative desulfurization. Chemical Communications, 2016, 52, 3368-3371.	4.1	109
54	Mesoporous nickel catalyst supported on multi-walled carbon nanotubes for carbon dioxide methanation. International Journal of Hydrogen Energy, 2016, 41, 967-975.	7.1	109

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55	Bayberry-like ZnO/MFI zeolite as high performance methanol-to-aromatics catalyst. Chemical Communications, 2016, 52, 2011-2014.	4.1	77
56	A non-chemically selective top-down approach towards the preparation of hierarchical TS-1 zeolites with improved oxidative desulfurization catalytic performance. Chemical Communications, 2016, 52, 3580-3583.	4.1	108
57	Carbogenic nanodots derived from organo-templated zeolites with modulated full-color luminescence. Chemical Science, 2016, 7, 3564-3568.	7.4	99
58	Mesoporous MgO synthesized by a homogeneous-hydrothermal method and its catalytic performance on gas-phase acetone condensation at low temperatures. Catalysis Communications, 2016, 74, 39-42.	3.3	29
59	An estimation of regional emission intensity of coal mine methane based on coefficientâ€intensity factor methodology using China as a case study. , 2015, 5, 437-448.		18
60	The role of volatiles and coal structural variation in coal methane adsorption. Science Bulletin, 2015, 60, 532-540.	9.0	12
61	The recyclable synthesis of hierarchical zeolite SAPO-34 with excellent MTO catalytic performance. Chemical Communications, 2015, 51, 11987-11989.	4.1	57
62	Facile microwave-assisted synthesis of sheet-like cobalt hydroxide for energy-storage application: Effect of the cobalt precursors. Journal of Alloys and Compounds, 2015, 644, 836-845.	5.5	14
63	Synthesis of tri-level hierarchical SAPO-34 zeolite with intracrystalline microâ€“mesoâ€“macroporosity showing superior MTO performance. Journal of Materials Chemistry A, 2015, 3, 19783-19789.	10.3	121
64	Self-assembled Ni/NiO/RGO heterostructures for high-performance supercapacitors. RSC Advances, 2015, 5, 77958-77964.	3.6	67
65	Ultrafast synthesis of nano-sized zeolite SAPO-34 with excellent MTO catalytic performance. Chemical Communications, 2015, 51, 16397-16400.	4.1	78
66	In situ controllable assembly of layered-double-hydroxide-based nickel nanocatalysts for carbon dioxide reforming of methane. Catalysis Science and Technology, 2015, 5, 1588-1597.	4.1	60
67	Influence of temperature and space velocity on the MTO reaction over nano sheet-like SAPO-34 catalyst and the theoretical calculation. Scientia Sinica Chimica, 2015, 45, 383-390.	0.4	0
68	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
69	Confinement Effect of Zeolite Cavities on Methanol-to-Olefin Conversion: A Density Functional Theory Study. Journal of Physical Chemistry C, 2014, 118, 24935-24940.	3.1	32
70	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
71	Niâ€“Co bimetallic MgO-based catalysts for hydrogen production via steam reforming of acetic acid from bio-oil. International Journal of Hydrogen Energy, 2014, 39, 18688-18694.	7.1	54
72	Plasma-Treated Bimetallic Niâ€“Pt Catalysts Derived from Hydrotalcites for the Carbon Dioxide Reforming of Methane. Catalysis Letters, 2014, 144, 293-300.	2.6	35

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73	Effect of nitrogen-containing groups on methane adsorption behaviors of carbon spheres. Journal of Analytical and Applied Pyrolysis, 2014, 107, 204-210.	5.5	30
74	Organosilane surfactant-directed synthesis of hierarchical porous SAPO-34 catalysts with excellent MTO performance. Chemical Communications, 2014, 50, 6502.	4.1	179
75	A novel Niâ€“Mgâ€“Al-LDHs/Î³-Al2O3 Catalyst Prepared by in-situ synthesis method for CO2 reforming of CH4. Catalysis Communications, 2014, 45, 11-15.	3.3	29
76	High performance nanosheet-like silicoaluminophosphate molecular sieves: synthesis, 3D EDT structural analysis and MTO catalytic studies. Journal of Materials Chemistry A, 2014, 2, 17828-17839.	10.3	96
77	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
78	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
79	A comparison study on methane dry reforming with carbon dioxide over LaNiO3 perovskite catalysts supported on mesoporous SBA-15, MCM-41 and silica carrier. Catalysis Today, 2013, 212, 98-107.	4.4	181
80	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
81	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
82	Remarkable carbon dioxide catalytic capture (CDCC) leading to solid-form carbon material via a new CVD integrated process (CVD-IP): An alternative route for CO2 sequestration. Journal of Energy Chemistry, 2013, 22, 136-144.	12.9	25
83	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
84	Fabrication of c-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
85	Carbon dioxide reforming of methane for syngas production over La-promoted NiMgAl catalysts derived from hydrotalcites. Chemical Engineering Journal, 2012, 209, 623-632.	12.7	166
86	Synthesis, characterization and catalytic performances of Ce-SBA-15 supported nickel catalysts for methane dry reforming to hydrogen and syngas. International Journal of Hydrogen Energy, 2012, 37, 19-30.	7.1	245
87	Nickel-based perovskite catalysts with iron-doping via self-combustion for hydrogen production in auto-thermal reforming of Ethanol. International Journal of Hydrogen Energy, 2012, 37, 1272-1279.	7.1	35
88	Hydrogen Production by Ethanol Steam Reforming on NiCuMgAl Catalysts Derived from Hydrotalcite-Like Precursors. Catalysis Letters, 2011, 141, 1228-1236.	2.6	45
89	Manganese promoting effects on the Coâ€“Ceâ€“Zrâ€“Ox nano catalysts for methane dry reforming with carbon dioxide to hydrogen and carbon monoxide. Chemical Engineering Journal, 2011, 170, 457-463.	12.7	108
90	Effects of Ce/Zr ratio on the structure and performances of Co-Ce1â^'xZrxO2 catalysts for carbon dioxide reforming of methane. Journal of Natural Gas Chemistry, 2010, 19, 117-122.	1.8	37