

Lian-Cheng Wang

List of Publications by Year in descending order

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70
papers

2,160
citations

185998

28
h-index

243296

44
g-index

71
all docs

71
docs citations

71
times ranked

3428
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct synthesis of 3D hierarchically porous carbon/Sn composites <i>via in situ</i> generated NaCl crystals as templates for potassium-ion batteries anode. <i>Journal of Materials Chemistry A</i> , 2018, 6, 434-442.	5.2	194
2	Crystallization and Aggregation Behaviors of Calcium Carbonate in the Presence of Poly(vinylpyrrolidone) and Sodium Dodecyl Sulfate. <i>Journal of Physical Chemistry B</i> , 2005, 109, 18342-18347.	1.2	106
3	CoFe ₂ O ₄ and/or Co ₃ Fe ₇ loaded porous activated carbon balls as a lightweight microwave absorbent. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 12385-12392.	1.3	82
4	Highly efficient oxidative desulfurization of dibenzothiophene using Ni modified MoO ₃ catalyst. <i>Applied Catalysis A: General</i> , 2020, 589, 117308.	2.2	73
5	Design and facile one-step synthesis of FeWO ₄ /Fe ₂ O ₃ di-modified WO ₃ with super high photocatalytic activity toward degradation of quasi-phenothiazine dyes. <i>Applied Catalysis B: Environmental</i> , 2018, 221, 169-178.	10.8	72
6	Facile Fabrication of BCN Nanosheet-Encapsulated Nano-Iron as Highly Stable Fischer-Tropsch Synthesis Catalyst. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14319-14327.	4.0	70
7	High yield synthesis of novel boron nitride submicro-boxes and their photocatalytic application under visible light irradiation. <i>Catalysis Science and Technology</i> , 2011, 1, 1159.	2.1	62
8	Synergistic enhancement of oxygen reduction reaction with BC ₃ and graphitic-N in boron- and nitrogen-codoped porous graphene. <i>Journal of Catalysis</i> , 2018, 359, 242-250.	3.1	61
9	Facile synthesis of porous nitrogen-doped holey graphene as an efficient metal-free catalyst for the oxygen reduction reaction. <i>Nano Research</i> , 2017, 10, 305-319.	5.8	57
10	Oriented Aggregation and Novel Phase Transformation of Vaterite Controlled by the Synergistic Effect of Calcium Dodecyl Sulfate and n-Pentanol. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23148-23153.	1.2	55
11	Fabrication of Fe ₃ O ₄ @C core-shell nanotubes and their application as a lightweight microwave absorbent. <i>RSC Advances</i> , 2014, 4, 55738-55744.	1.7	55
12	Mesoporous Fe/C and Core-Shell Fe@Fe ₃ C@C composites as efficient microwave absorbents. <i>Microporous and Mesoporous Materials</i> , 2015, 211, 97-104.	2.2	54
13	Convenient synthesis and applications of gram scale boron nitride nanosheets. <i>Catalysis Science and Technology</i> , 2011, 1, 1119.	2.1	53
14	One pot synthesis of ultrathin boron nitride nanosheet-supported nanoscale zerovalent iron for rapid debromination of polybrominated diphenyl ethers. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6379.	5.2	52
15	A general route for the convenient synthesis of crystalline hexagonal boron nitride micromesh at mild temperature. <i>Journal of Materials Chemistry</i> , 2009, 19, 1989.	6.7	51
16	Fe@Fe ₃ C/C microspheres as a lightweight microwave absorbent. <i>RSC Advances</i> , 2016, 6, 24820-24826.	1.7	48
17	Phosphorus Particles Embedded in Reduced Graphene Oxide Matrix to Enhance Capacity and Rate Capability for Capacitive Potassium-Ion Storage. <i>Chemistry - A European Journal</i> , 2018, 24, 13897-13902.	1.7	47
18	Enhanced hydrogen generation by reverse spillover effects over bicomponent catalysts. <i>Nature Communications</i> , 2022, 13, 118.	5.8	44

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19	A versatile route for the convenient synthesis of rare-earth and alkaline-earth hexaborides at mild temperatures. <i>CrystEngComm</i> , 2010, 12, 3923.	1.3	43
20	N-Doped amorphous MoS _x for the hydrogen evolution reaction. <i>Nanoscale</i> , 2019, 11, 11217-11226.	2.8	43
21	Amorphous Cr ₂ WO ₆ -Modified WO ₃ Nanowires with a Large Specific Surface Area and Rich Lewis Acid Sites: A Highly Efficient Catalyst for Oxidative Desulfurization. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38140-38152.	4.0	42
22	Hollow CoFe ₂ O ₄ @Co ₃ Fe ₇ microspheres applied in electromagnetic absorption. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 377, 259-266.	1.0	39
23	Thermal induced BCN nanosheets evolution and its usage as metal-free catalyst in ethylbenzene dehydrogenation. <i>Applied Surface Science</i> , 2017, 422, 574-581.	3.1	34
24	Enhanced role of graphitic-N on nitrogen-doped porous carbon ball for direct dehydrogenation of ethylbenzene. <i>Molecular Catalysis</i> , 2019, 462, 61-68.	1.0	32
25	Formation of Ordered Coronene Clusters in Template Utilizing the Structural Transformation of Hexaphenylbenzene Derivative Networks on Graphite Surface. <i>ACS Nano</i> , 2016, 10, 342-348.	7.3	31
26	Removal of trace Cr(VI) from aqueous solution by porous activated carbon balls supported by nanoscale zero-valent iron composites. <i>Environmental Science and Pollution Research</i> , 2020, 27, 7015-7024.	2.7	31
27	Edge-Activating CO ₂ -Mediated Ethylbenzene Dehydrogenation by a Hierarchical Porous BN Catalyst. <i>ACS Catalysis</i> , 2020, 10, 6697-6706.	5.5	31
28	Single-crystal octahedral CoFe ₂ O ₄ nanoparticles loaded on carbon balls as a lightweight microwave absorbent. <i>Journal of Alloys and Compounds</i> , 2015, 633, 11-17.	2.8	30
29	Fe, Co, and Ni Loaded Porous Activated Carbon Balls as Lightweight Microwave Absorbents. <i>ChemPhysChem</i> , 2015, 16, 3458-3467.	1.0	29
30	CoP porous hexagonal nanoplates in situ grown on RGO as active and durable electrocatalyst for hydrogen evolution. <i>Electrochimica Acta</i> , 2018, 284, 534-541.	2.6	29
31	The role of CO ₂ in dehydrogenation of ethylbenzene over pure γ -Fe ₂ O ₃ catalysts with different facets. <i>Journal of Catalysis</i> , 2017, 345, 104-112.	3.1	28
32	From ultrathin nanosheets, triangular plates to nanocrystals with exposed (102) facets, a morphology and phase transformation of sp ² hybrid BN nanomaterials. <i>RSC Advances</i> , 2014, 4, 14233.	1.7	26
33	Solid state synthesis of a new ternary nitride MgMoN ₂ nanosheets and micromeshes. <i>Journal of Materials Chemistry</i> , 2012, 22, 14559.	6.7	25
34	Templated synthesis of highly ordered mesoporous cobalt ferrite and its microwave absorption properties. <i>Chinese Physics B</i> , 2014, 23, 088105.	0.7	25
35	Scalable synthesis of quasi-monodispersed BN colloidal nanocrystals by "solvent cutting" and their anti-electrochemical corrosion coating. <i>Chemical Engineering Journal</i> , 2018, 333, 191-199.	6.6	25
36	Synthesis and characterization of 3C and 2H-SiC nanocrystals starting from SiO ₂ , C ₂ H ₅ OH and metallic Mg. <i>Journal of Alloys and Compounds</i> , 2009, 484, 341-346.	2.8	24

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37	Support Effect of the Fe/BN Catalyst on Fischer-Tropsch Performances: Role of the Surface O Defect. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 2805-2810.	1.8	24
38	A simple pyrolysis route to synthesize leaf-like carbon sheets. <i>Carbon</i> , 2010, 48, 3420-3426.	5.4	20
39	Facile synthesis of uniform h-BN nanocrystals and their application as a catalyst support towards the selective oxidation of benzyl alcohol. <i>RSC Advances</i> , 2012, 2, 10689.	1.7	20
40	NiFe ₂ O ₄ , Fe ₃ O ₄ Fe _x Ni _y or Fe _x Ni _y loaded porous activated carbon balls as lightweight microwave absorbents. <i>RSC Advances</i> , 2015, 5, 8248-8257.	1.7	20
41	Ultrathin N-rich boron nitride nanosheets supported iron catalyst for Fischer-Tropsch synthesis. <i>RSC Advances</i> , 2016, 6, 38356-38364.	1.7	20
42	Micron iron oxide particles with thickness-controllable carbon coating for Ni-Fe battery. <i>Electrochimica Acta</i> , 2019, 299, 800-808.	2.6	20
43	Biomimetic Synthesis of Calcium Carbonate Polymorphs Using the Lamellar Lyotropic Liquid Crystalline Systems of Calcium Dodecyl Sulfate. <i>Crystal Growth and Design</i> , 2008, 8, 3560-3565.	1.4	18
44	Co ₃ Fe ₇ /C core-shell microspheres as a lightweight microwave absorbent. <i>Materials Chemistry and Physics</i> , 2015, 163, 431-438.	2.0	17
45	A boron nitride electrode modified with a nanocomposite prepared from an ionic liquid and tungsten disulfide for voltammetric sensing of 4-aminophenol. <i>Mikrochimica Acta</i> , 2019, 186, 614.	2.5	16
46	The role of surface N H groups on the selective hydrogenation of cinnamaldehyde over Co/BN catalysts. <i>Applied Surface Science</i> , 2019, 492, 736-745.	3.1	16
47	CoP/RGO-Pd Hybrids with Heterointerfaces as Highly Active Catalysts for Ethanol Electrooxidation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 28903-28914.	4.0	16
48	Nonspherical hollow Fe ₂ O ₃ structures synthesized by stepwise effect of fluoride and phosphate anions. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11000-11008.	5.2	13
49	Insight into the Effective Aerobic Oxidative Cross-Esterification of Alcohols over Au/Porous Boron Nitride Catalyst. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 46678-46687.	4.0	13
50	Additive-Assisted Nitridation to Synthesize Si ₃ N ₄ Nanomaterials at a Low Temperature. <i>Journal of the American Ceramic Society</i> , 2009, 92, 517-519.	1.9	12
51	Enhanced Fischer-Tropsch synthesis performances of Fe/h-BN catalysts by Cu and Mn. <i>Catalysis Today</i> , 2020, 343, 91-100.	2.2	10
52	Sulfur-assisted Fabrication of Silicon Nitride Nanorods in Autoclaves at 250 °C. <i>Chemistry Letters</i> , 2008, 37, 302-303.	0.7	9
53	Stepwise tuning of the substituent groups from mother BTB ligands to two hexaphenylbenzene based ligands for construction of diverse coordination polymers. <i>CrystEngComm</i> , 2013, 15, 8511.	1.3	9
54	Ultra-thin MoS _x film for electrochemical hydrogen production: Correlation between the catalytic activities and electrochemical features. <i>Electrochimica Acta</i> , 2017, 248, 20-28.	2.6	9

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55	Fe containing MoO ₃ nanowires grown along the [110] direction and their fast selective adsorption of quasi-phenothiazine dyes. CrystEngComm, 2019, 21, 5106-5114.	1.3	9
56	Iron cation-induced biphasic symbiosis of h-WO ₃ /o-WO ₃ ·0.33H ₂ O and their crystal phase transition. CrystEngComm, 2017, 19, 3979-3985.	1.3	8
57	Protection of highly active sites on Cu ₂ O nanocages: an efficient crystalline catalyst for ammonium perchlorate decomposition. CrystEngComm, 2020, 22, 8214-8220.	1.3	8
58	Corrosion synthesis of boron carbide with pore and hollow structure. International Journal of Refractory Metals and Hard Materials, 2012, 35, 284-287.	1.7	6
59	Restructuring of Co ₃ O ₄ particles from polycrystalline microspheres to single-crystalline polyhedra under the assistance of acetic acid. CrystEngComm, 2015, 17, 1848-1855.	1.3	6
60	Honeycomb-like graphitic ordered macroporous carbon prepared by pyrolysis of ammonium bicarbonate. Materials Research Bulletin, 2011, 46, 1703-1707.	2.7	5
61	Synthesis of superconducting sphere-like Mo ₂ C nanoparticles in an autoclave. Crystal Research and Technology, 2012, 47, 467-470.	0.6	5
62	High-yield synthesis of uniform B, N-rich BN-C x nanoplates in mild temperatures. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	5
63	Anisotropic photogenerated charge separations between different facets of a dodecahedral Fe_2O_3 photocatalyst. CrystEngComm, 2019, 21, 6390-6395.	1.3	5
64	Ag supported on alumina for the epoxidation of 1-hexene with molecular oxygen: the effect of Ag ⁺ /Ag ⁰ . New Journal of Chemistry, 2022, 46, 4792-4799.	1.4	5
65	Synthesis of MgSiN ₂ Cuboids by a Solid-state Reaction. Chemistry Letters, 2010, 39, 888-889.	0.7	3
66	WO _x /C Heterogeneous Catalyst with Oxygen Vacancies and Deficient Brønsted Acid for Epoxidation of 1-Hexene. Catalysis Letters, 2023, 153, 1180-1192.	1.4	3
67	Convenient Fabrication and Property Investigations of Uniform TiN Hollow Nanocages. Chemistry Letters, 2008, 37, 712-713.	0.7	2
68	Micron-sized iron oxide functionalized with hydrophobic mesoporous sheets for the Ni-Fe battery. Sustainable Energy and Fuels, 2021, 5, 1756-1766.	2.5	2
69	Fe ₃ BO ₅ @carbon core-shell urchin-like structures prepared via a one-step co-pyrolysis method. Materials Letters, 2011, 65, 2479-2481.	1.3	1
70	Synthesis of Hollow Boron Nitride Nanoboxes with Ultrathin Walls from Cube-Like LaB ₆ . Journal of Nanoscience and Nanotechnology, 2013, 13, 4634-4638.	0.9	1