Hongliang Li

List of Publications by Year
in descending order

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116 papers	7,425 citations	61945 43 h-index	54882 84 g-index
116 all docs	116 docs citations	116 times ranked	9777 citing authors

#	Article	IF	Citations
1	Core-sheath heterostructure of MnCo2O4 nanowires wrapped by NiCo-layered double hydroxide as cathode material for high-performance quasi-solid-state asymmetric supercapacitors. Journal of Alloys and Compounds, 2022, 904, 164047.	2.8	26
2	In Situ Electrochemical Regeneration of Degraded LiFePO₄ Electrode with Functionalized Prelithiation Separator. Advanced Energy Materials, 2022, 12, .	10.2	99
3	Monodisperse PdBi Nanoparticles with a Face-Centered Cubic Structure for Highly Efficient Ethanol Oxidation. ACS Applied Energy Materials, 2022, 5, 1282-1290.	2.5	25
4	Flat telescope based on an all-dielectric metasurface doublet enabling polarization-controllable enhanced beam steering. Nanophotonics, 2022, 11, 405-413.	2.9	12
5	Selectively anchoring single atoms on specific sites of supports for improved oxygen evolution. Nature Communications, 2022, 13, 2473.	5.8	73
6	Ambient-pressure hydrogenation of CO2 into long-chain olefins. Nature Communications, 2022, 13, 2396.	5.8	49
7	Starfruit-like vanadium oxide with Co2+ pre-intercalation and amorphous carbon confinement as a superior cathode for supercapacitors. Journal of Colloid and Interface Science, 2022, 622, 748-758.	5.0	4
8	A highly stable pre-lithiated SiO_x anode coated with a â€œsalt-in-polymerâ€•layer. Chemical Communications, 2022, 58, 7920-7923.	2.2	8
9	Synthesis of Nanostructured Bismuth Sulfide with Controllable Morphology for Advanced Lithium/Sodium-Ion Storage. Langmuir, 2022, 38, 8657-8666.	1.6	6
10	Templating preparation of cannular congeries of MnO2 and porous spheres of carbon and their applications to high performance asymmetric supercapacitor and lithium-sulfur battery. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 610, 125740.	2.3	12
11	Construction of the POMOF@Polypyrrole Composite with Enhanced Ion Diffusion and Capacitive Contribution for High-Performance Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 6265-6275.	4.0	52
12	Insights on Electrochemical Behaviors of Sodium Peroxide as a Sacrificial Cathode Additive for Boosting Energy Density of Na-Ion Battery. ACS Applied Materials & Interfaces, 2021, 13, 2772-2778.	4.0	25
13	Water enables mild oxidation of methane to methanol on gold single-atom catalysts. Nature Communications, 2021, 12, 1218.	5.8	138
14	Surfactant-Assisted Synthesis of Palladium Nanosheets and Nanochains for the Electrooxidation of Ethanol. ACS Applied Materials & Interfaces, 2021, 13, 9830-9837.	4.0	40
15	M 2 muscarinic autoantibodies and thyroid hormone promote susceptibility to atrial fibrillation and sinus tachycardia in an autoimmune rabbit model. Experimental Physiology, 2021, 106, 882-890.	0.9	3
16	Gonadotrophinâ€releasing hormone receptor autoantibodies induce polycystic ovary syndromeâ€like features in a rat model. Experimental Physiology, 2021, 106, 902-912.	0.9	5
17	Allâ€Dielectric Fiber Metaâ€Tip Enabling Vortex Generation and Beam Collimation for Optical Interconnect. Laser and Photonics Reviews, 2021, 15, 2000581.	4.4	21
18	Flat Retroreflector Based on a Metasurface Doublet Enabling Reliable and Angleâ€Tolerant Freeâ€Space Optical Link. Advanced Optical Materials, 2021, 9, 2100796.	3.6	11

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19	3D interpenetrating networks of MnO2/Carbon-CNTs composites derived from ZIF-67 MOF and their application to supercapacitors. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 623, 126686.	2.3	19
20	Copper-catalysed exclusive CO2 to pure formic acid conversion via single-atom alloying. Nature Nanotechnology, 2021, 16, 1386-1393.	15.6	282
21	One-pot solvothermal preparation of graphene encapsulated SnO nanospheres composites for enhanced lithium storage. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 625, 126912.	2.3	6
22	3D Ordered Porous Hybrid of ZnSe/Nâ€doped Carbon with Anomalously High Na⁺ Mobility and Ultrathin Solid Electrolyte Interphase for Sodiumâ€Ion Batteries. Advanced Functional Materials, 2021, 31, 2106194.	7.8	66
23	Porous structures of carbon-doped Co3O4 with tunable morphologies from microflowers to cubes as anodes for high performance lithium/sodium-ion batteries. Journal of Alloys and Compounds, 2021, 881, 160588.	2.8	12
24	Transformation of Spinel Zn 2 Mn 4 O 8 Â·H 2 O to Layered Î´â€MnO 2 â€Based Composite Nanosheets with Enhanced Capacitance in Aqueous Electrolyte. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2000649.	0.8	1
25	Porous 3D Architecture of Carbonâ€Encapsulated Fe₃O₄ Nanospheres Anchored on Networks of Carbon Nanotubes as Anodes for Advanced Lithiumâ€Ion Batteries. ChemElectroChem, 2021, 8, 4480-4489.	1.7	6
26	Autoimmune activation of the GnRH receptor induces insulin resistance independent of obesity in a female rat model. Physiological Reports, 2021, 8, e14672.	0.7	2
27	Flat Retroreflector Based on a Metasurface Doublet Enabling Reliable and Angleâ€Tolerant Freeâ€Space Optical Link (Advanced Optical Materials 21/2021). Advanced Optical Materials, 2021, 9, .	3.6	0
28	3D Ordered Porous Hybrid of ZnSe/Nâ€doped Carbon with Anomalously High Na⁺ Mobility and Ultrathin Solid Electrolyte Interphase for Sodiumâ€Ion Batteries (Adv. Funct. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	7.8	1
29	Synthesis of citric acid modified Î²â€cyclodextrin/activated carbon hybrid composite and their adsorption properties toward methylene blue. Journal of Applied Polymer Science, 2020, 137, 48315.	1.3	13
30	Graphene-encapsulated ZnO composites as high-performance anode materials for lithium ion batteries. Ionics, 2020, 26, 565-577.	1.2	19
31	Hollow cobalt oxide nanoparticles embedded porous reduced graphene oxide anode for high performance lithium ion batteries. Applied Surface Science, 2020, 508, 145311.	3.1	20
32	Synthesis of self-assembled nickel cobaltite microspheres and their electrocapacitive behavior in aqueous electrolytes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 587, 124329.	2.3	22
33	Synthesis of Pd3Pb colloidal nanocrystal assembly and their electrocatalytic activity toward ethanol oxidation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 586, 124224.	2.3	24
34	Holey graphene confined hollow nickel oxide nanocrystals for lithium ion storage. Scripta Materialia, 2020, 178, 187-192.	2.6	35
35	Bimetallic PdCu Nanoparticles for Electrocatalysis: Multiphase or Homogeneous Alloy?. Inorganic Chemistry, 2020, 59, 10611-10619.	1.9	9
36	Porous SnO₂/Graphene Composites as Anode Materials for Lithium-Ion Batteries: Morphology Control and Performance Improvement. Energy & Fuels, 2020, 34, 13126-13136.	2.5	32

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37	Electrochemical deposition as a universal route for fabricating single-atom catalysts. Nature Communications, 2020, 11, 1215.	5.8	254
38	Porous microspheres consisting of carbon-modified LiFePO4 grains prepared by a spray-drying assisted approach using cellulose as carbon source. Ionics, 2020, 26, 2737-2746.	1.2	6
39	Large-Scale Synthesis of the Stable Co-Free Layered Oxide Cathode by the Synergetic Contribution of Multielement Chemical Substitution for Practical Sodium-Ion Battery. Research, 2020, 2020, 1469301.	2.8	33
40	Electron Correlations Engineer Catalytic Activity of Pyrochlore Iridates for Acidic Water Oxidation. Advanced Materials, 2019, 31, e1805104.	11.1	63
41	Integration of photoelectrochemical devices and luminescent solar concentrators based on giant quantum dots for highly stable hydrogen generation. Journal of Materials Chemistry A, 2019, 7, 18529-18537.	5.2	25
42	Lithiumâ€Ion Batteries: Suppressing Manganese Dissolution via Exposing Stable {111} Facets for Highâ€Performance Lithiumâ€Ion Oxide Cathode (Adv. Sci. 13/2019). Advanced Science, 2019, 6, 1970076.	5.6	14
43	Preparation of improved gluten material and its adsorption behavior for congo red from aqueous solution. Journal of Colloid and Interface Science, 2019, 556, 249-257.	5.0	28
44	Intercalated Iridium Diselenide Electrocatalysts for Efficient pHâ€Universal Water Splitting. Angewandte Chemie - International Edition, 2019, 58, 14764-14769.	7.2	126
45	A Facile One-Pot Stepwise Hydrothermal Method for the Synthesis of 3D MoS₂/RGO Composites with Improved Lithium Storage Properties. Nano, 2019, 14, 1950037.	0.5	4
46	Three-Dimensional Hierarchical Flowerlike FeP Wrapped with N-Doped Carbon Possessing Improved Li⁺ Diffusion Kinetics and Cyclability for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 39961-39969.	4.0	52
47	Three-dimensional hollow spheres of porous SnO2/rGO composite as high-performance anode for sodium ion batteries. Applied Surface Science, 2019, 479, 198-208.	3.1	55
48	Î³-Fe2O3 nanoparticles stabilized by holey reduced graphene oxide as a composite anode for lithium-ion batteries. Journal of Colloid and Interface Science, 2019, 552, 633-638.	5.0	38
49	Electrocapacitive behavior of colloidal nanocrystal assemblies of manganese ferrite in multivalent ion electrolytes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 572, 326-332.	2.3	4
50	Optimizing reaction paths for methanol synthesis from CO2 hydrogenation via metal-ligand cooperativity. Nature Communications, 2019, 10, 1885.	5.8	116
51	Manganese dioxide nanosheet assemblies as electrode materials for electrocapacitive storage of magnesium ions. Electrochimica Acta, 2019, 308, 150-157.	2.6	13
52	Structural regulation of NiFe2O4 colloidal nanocrystal assembly and their magnetic and electrocatalytic properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 570, 218-223.	2.3	7
53	A Stable Layered Oxide Cathode Material for Highâ€Performance Sodiumâ€Ion Battery. Advanced Energy Materials, 2019, 9, 1803978.	10.2	191
54	Waste-cellulose-derived porous carbon adsorbents for methyl orange removal. Chemical Engineering Journal, 2019, 371, 55-63.	6.6	176

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55	Insights into the Role of Poly(vinylpyrrolidone) in the Synthesis of Palladium Nanoparticles and Their Electrocatalytic Properties. Langmuir, 2019, 35, 787-795.	1.6	39
56	Static Regulation and Dynamic Evolution of Singleâ€Atom Catalysts in Thermal Catalytic Reactions. Advanced Science, 2019, 6, 1801471.	5.6	39
57	One-Pot Decoration of Graphene with SnO2 Nanocrystals by an Elevated Hydrothermal Process and Their Application as Anode Materials for Lithium Ion Batteries. Journal of Nanoscience and Nanotechnology, 2019, 19, 850-858.	0.9	11
58	Sprayâ€Assisted Synthesis of MnO@C/Graphene Composites as Electrode Materials for Supercapacitors. Energy Technology, 2019, 7, 1800625.	1.8	6
59	New Anode Material for Lithium-Ion Batteries: Aluminum Niobate (AlNb₁₁O₂₉). ACS Applied Materials & Interfaces, 2019, 11, 6089-6096.	4.0	93
60	Dielectric metasurfaces based on a rectangular lattice of a-Si:H nanodisks for color pixels with high saturation and stability. Optics Express, 2019, 27, 35027.	1.7	13
61	Molecular-Level Insight into How Hydroxyl Groups Boost Catalytic Activity in CO2 Hydrogenation into Methanol. CheM, 2018, 4, 613-625.	5.8	110
62	Rhâ€Based Nanocatalysts for Heterogeneous Reactions. ChemNanoMat, 2018, 4, 451-466.	1.5	25
63	Improved Electrochemical Performance Based on Nanostructured SnS2@CoS2â€“rGO Composite Anode for Sodium-Ion Batteries. Nano-Micro Letters, 2018, 10, 46.	14.4	96
64	Spray-Drying-Induced Assembly of Skeleton-Structured SnO₂/Graphene Composite Spheres as Superior Anode Materials for High-Performance Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 2515-2525.	4.0	85
65	Carbon materials with hierarchical porosity: Effect of template removal strategy and study on their electrochemical properties. Carbon, 2018, 130, 680-691.	5.4	80
66	Achieving the Widest Range of Syngas Proportions at High Current Density over Cadmium Sulfoselenide Nanorods in CO₂ Electroreduction. Advanced Materials, 2018, 30, 1705872.	11.1	145
67	Carbon/Li₄Ti₅O₁₂ Composite Spheres Prepared Using Chinese Yam as Carbon Source with Ultrahigh Capacity as Anode Materials for Lithium Ion Batteries. Energy Technology, 2018, 6, 2036-2044.	1.8	8
68	Synergetic interaction between neighbouring platinum monomers in CO2 hydrogenation. Nature Nanotechnology, 2018, 13, 411-417.	15.6	584
69	Regulation of Structure and Ionic Intercalation of Colloidal Nanocrystal Assembly. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 229-237.	2.3	5
70	Copperâ€“Palladium Tetrapods with Sharp Tips as a Superior Catalyst for the Oxygen Reduction Reaction. ChemCatChem, 2018, 10, 925-930.	1.8	14
71	Mesoporous carbon spheres with tunable porosity prepared by a template-free method for advanced lithiumâ€“sulfur batteries. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2018, 227, 9-15.	1.7	30
72	Design of carbon sphere/magnetic quantum dots with tunable phase compositions and boost dielectric loss behavior. Chemical Engineering Journal, 2018, 333, 519-528.	6.6	389

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73	Carrageenan Asissted Synthesis of Palladium Nanoflowers and Their Electrocatalytic Activity toward Ethanol. ACS Sustainable Chemistry and Engineering, 2018, 6, 1133-1140.	3.2	35
74	3D Heterogeneous Co₃O₄@Co₃S₄ Nanoarrays Grown on Ni Foam as a Binderâ€Free Electrode for Lithiumâ€Ion Batteries. ChemElectroChem, 2018, 5, 309-315.	1.7	35
75	MoS2 Layers Decorated RGO Composite Prepared by a One-Step High-Temperature Solvothermal Method as Anode for Lithium-Ion Batteries. Nano, 2018, 13, 1850135.	0.5	2
76	Carbon Wrapped Ni3S2 Nanocrystals Anchored on Graphene Sheets as Anode Materials for Lithium-Ion Battery and the Study on Their Capacity Evolution. Nanomaterials, 2018, 8, 760.	1.9	17
77	Degradation of Organic Dyes over Fenton-Like Cu₂Oâ€“Cu/C Catalysts. Industrial & Engineering Chemistry Research, 2018, 57, 14011-14021.	1.8	116
78	Evolution of a Cu₂O Cube to a Hollow Truncated Octahedron and Their Photocatalytic and Electrocatalytic Activity. ACS Applied Nano Materials, 2018, 1, 6038-6045.	2.4	10
79	Pt Single Atoms Embedded in the Surface of Ni Nanocrystals as Highly Active Catalysts for Selective Hydrogenation of Nitro Compounds. Nano Letters, 2018, 18, 3785-3791.	4.5	127
80	Electrospun Î³-Fe2O3 nanofibers as bioelectrochemical sensors for simultaneous determination of small biomolecules. Analytica Chimica Acta, 2018, 1026, 125-132.	2.6	26
81	Hierarchical hollow, sea-urchin-like and porous Ni_{0.5}Co_{0.5}Se₂ as advanced battery material for hybrid supercapacitors. Journal of Materials Chemistry A, 2018, 6, 16205-16212.	5.2	130
82	Cellulose-derived hierarchical porous carbon for high-performance flexible supercapacitors. Carbon, 2018, 140, 139-147.	5.4	74
83	Synthesis of MnO2 nanowires and their capacitive behavior in aqueous electrolytes containing magnesium ions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 553, 539-545.	2.3	10
84	Spraying Coagulationâ€Assisted Hydrothermal Synthesis of MoS₂/Carbon/Graphene Composite Microspheres for Lithiumâ€Ion Battery Applications. ChemElectroChem, 2017, 4, 2027-2036.	1.7	24
85	Integration of Quantum Confinement and Alloy Effect to Modulate Electronic Properties of RhW Nanocrystals for Improved Catalytic Performance toward CO₂ Hydrogenation. Nano Letters, 2017, 17, 788-793.	4.5	91
86	Electrochemical properties of colloidal nanocrystal assemblies of manganese ferrite as the electrode materials for supercapacitors. Journal of Materials Science, 2017, 52, 5359-5365.	1.7	49
87	Porous carbon directed growth of carbon modified MnO2 porous spheres for pseudocapacitor applications. Journal of Alloys and Compounds, 2017, 717, 341-349.	2.8	21
88	Integration of Photothermal Effect and Heat Insulation to Efficiently Reduce Reaction Temperature of CO₂ Hydrogenation. Small, 2017, 13, 1602583.	5.2	77
89	Spray drying assisted assembly of ZnO nanocrystals using cellulose as sacrificial template and studies on their photoluminescent and photocatalytic properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 522, 173-182.	2.3	14
90	Supported Rhodium Catalysts for Ammoniaâ€“Borane Hydrolysis: Dependence of the Catalytic Activity on the Highest Occupied State of the Single Rhodium Atoms. Angewandte Chemie - International Edition, 2017, 56, 4712-4718.	7.2	173

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91	Gold atom-decorated CoSe₂nanobelts with engineered active sites for enhanced oxygen evolution. Journal of Materials Chemistry A, 2017, 5, 20202-20207.	5.2	57
92	Conductive Tungsten Oxide Nanosheets for Highly Efficient Hydrogen Evolution. Nano Letters, 2017, 17, 7968-7973.	4.5	195
93	A computational study of ion speciation in mixtures of protic ionic liquids with various molecular solvents: Insight into the solvent polarity and anion basicity. International Journal of Quantum Chemistry, 2017, 117, 170-179.	1.0	4
94	Synthesis and Characterization of N-Doped Porous TiO2 Hollow Spheres and Their Photocatalytic and Optical Properties. Materials, 2016, 9, 849.	1.3	20
95	Solvothermal Synthesis of Hierarchical Colloidal Nanocrystal Assemblies of ZnFe2O4 and Their Application in Water Treatment. Materials, 2016, 9, 806.	1.3	21
96	Pt₃Co Octapods as Superior Catalysts of CO₂ Hydrogenation. Angewandte Chemie - International Edition, 2016, 55, 9548-9552.	7.2	162
97	Excited-state hydrogen bond strengthening of coumarin 153 in ethanol solvent: a TDDFT study. Journal of Physical Organic Chemistry, 2016, 29, 305-311.	0.9	20
98	Structural Regulation of PdCu₂ Nanoparticles and Their Electrocatalytic Performance for Ethanol Oxidation. ACS Applied Materials & Interfaces, 2016, 8, 34497-34505.	4.0	88
99	Atomic-level insights in optimizing reaction paths for hydroformylation reaction over Rh/CoO single-atom catalyst. Nature Communications, 2016, 7, 14036.	5.8	281
100	Integration of Kinetic Control and Lattice Mismatch To Synthesize Pd@AuCu Coreâ€“Shell Planar Tetrapods with Size-Dependent Optical Properties. Nano Letters, 2016, 16, 3036-3041.	4.5	58
101	Rational design of graphitic carbon based nanostructures for advanced electrocatalysis. Journal of Materials Chemistry A, 2016, 4, 8497-8511.	5.2	73
102	Synthesis of Palladium Colloidal Nanoparticle Aggregates and Their Electrocatalysis of Ethanol in Alkaline Media. Science of Advanced Materials, 2016, 8, 1345-1353.	0.1	6
103	Preparation and Effects of Mg&Zr-doping on the Electrochemical Properties of Spinel Li₄Ti₅O₁₂ as Anode Material for Lithium Ion Battery. , 2015, , .		1
104	Structure and electrochemical performance of hollow microspheres of LiFe_xNi_{1/3â^'x}Co_{1/3}Mn_{1/3}O₂(0.000 â‰¤ x â‰¤) Tj ET Q q 0 0 9 0 rg BT /Ov		
105	Mesoporous carbon spheres with controlled porosity for high-performance lithiumâ€“sulfur batteries. Journal of Power Sources, 2015, 285, 469-477.	4.0	69
106	Aerobic Oxidation of Cyclohexane on Catalysts Based on Twinned and Single-Crystal Au₇₅Pd₂₅ Bimetallic Nanocrystals. Nano Letters, 2015, 15, 2875-2880.	4.5	92
107	Ratio-Controlled Synthesis of CuNi Octahedra and Nanocubes with Enhanced Catalytic Activity. Journal of the American Chemical Society, 2015, 137, 14027-14030.	6.6	75
108	Synthesis of Palladium Colloidal Nanocrystal Clusters and Their Enhanced Electrocatalytic Properties. ChemElectroChem, 2015, 2, 427-433.	1.7	22

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109	Synthesis of Magnetic MnFe₂O₄/Polyaniline Composite Microspheres and Their Electrocatalytic Activity for Oxygen Reduction Reaction. Science of Advanced Materials, 2015, 7, 1686-1693.	0.1	12
110	One-step solvothermal preparation of Fe3O4/graphene composites at elevated temperature and their application as anode materials for lithium-ion batteries. RSC Advances, 2014, 4, 59981-59989.	1.7	38
111	An RAPET approach to in situ synthesis of carbon modified Li₄Ti₅O₁₂anode nanocrystals with improved conductivity. New Journal of Chemistry, 2014, 38, 616-623.	1.4	17
112	Preparation of cellulose based microspheres by combining spray coagulating with spray drying. Carbohydrate Polymers, 2014, 111, 393-399.	5.1	24
113	Electrochemical properties of manganese ferrite-based supercapacitors in aqueous electrolyte: The effect of ionic radius. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 457, 94-99.	2.3	103
114	Preparation of magnetically separable mesoporous Co@carbon/silica composites by the RAPET method. New Journal of Chemistry, 2012, 36, 2308.	1.4	13
115	Preparation of Porous Hollow SiO2 Spheres by a Modified StÃ¶ber Process Using MF Microspheres as Templates. Journal of Cluster Science, 2012, 23, 273-285.	1.7	37
116	A high-performance asymmetric supercapacitor fabricated with graphene-based electrodes. Energy and Environmental Science, 2011, 4, 4009.	15.6	741