Lidong Shao

List of Publications by Year
in descending order

49 papers	2,522 citations	257101 24 h-index	197535 49 g-index
50 all docs	50 docs citations	50 times ranked	4435 citing authors

#	Article	IF	Citations
1	Single entity electrochemistry and the electron transfer kinetics of hydrazine oxidation. Nano Research, 2021, 14, 4132-4139.	5.8	15
2	Reaction-driven transformation of Ni/NiO hybrid structure into Ni single atoms. Materials Today Energy, 2020, 17, 100436.	2.5	10
3	Photocatalytic H2 evolution on CdS modified with partially crystallized MoS2 under visible light irradiation. Chemical Physics Letters, 2020, 746, 137305.	1.2	21
4	Thermally stable Pd/reduced graphene oxide aerogel catalysts for solvent-free oxidation of benzyl alcohol. Chemical Physics Letters, 2020, 746, 137306.	1.2	15
5	Ethanol electrooxidation on highly active palladium/graphene oxide aerogel catalysts. Chemical Physics, 2020, 534, 110753.	0.9	7
6	Ultralow loading of nanostructured Mn species onto two-dimensional Co₃O₄ nanosheets for selective catalytic reduction of NO_x with NH₃. Catalysis Science and Technology, 2020, 10, 3450-3457.	2.1	16
7	Electron Transfer to Decorated Graphene Oxide Particles. Angewandte Chemie - International Edition, 2019, 58, 12549-12552.	7.2	14
8	Suppressing the Pd-C interaction through B-doping for highly efficient oxygen reduction. Carbon, 2019, 149, 370-379.	5.4	32
9	Atomic Cu on nanodiamond-based sp2/sp3 hybrid nanostructures for selective hydrogenation of phenylacetylene. Chemical Physics Letters, 2019, 723, 39-43.	1.2	4
10	The electrooxidation of formic acid catalyzed by Pdâ€“Ga nanoalloys. Catalysis Science and Technology, 2019, 9, 1255-1259.	2.1	15
11	Pdâ€“P nanoalloys supported on a porous carbon frame as an efficient catalyst for benzyl alcohol oxidation. Catalysis Science and Technology, 2018, 8, 2333-2339.	2.1	18
12	Pd nanoparticles on carbon layer wrapped 3D TiO2 as efficient catalyst for selective oxidation of benzyl alcohol. Chemical Physics Letters, 2018, 712, 149-154.	1.2	8
13	Doping carbon networks with phosphorus for supporting Pd in catalyzing selective oxidation of benzyl alcohol. Journal of Nanoparticle Research, 2018, 20, 1.	0.8	4
14	Insight into graphene/hydroxide compositing mechanism for remarkably enhanced capacity. Journal of Power Sources, 2018, 399, 238-245.	4.0	31
15	Nanosized Pdâ€“Au bimetallic phases on carbon nanotubes for selective phenylacetylene hydrogenation. Physical Chemistry Chemical Physics, 2017, 19, 6164-6168.	1.3	39
16	Nickel nanoparticles supported on nitrogen-doped honeycomb-like carbon frameworks for effective methanol oxidation. RSC Advances, 2017, 7, 14152-14158.	1.7	75
17	Fabrication of nanoscale NiO/Ni heterostructures as electrocatalysts for efficient methanol oxidation. Journal of Materials Chemistry A, 2017, 5, 9946-9951.	5.2	85
18	High-rate sodium ion anodes assisted by N-doped carbon sheets. Sustainable Energy and Fuels, 2017, 1, 1130-1136.	2.5	23

#	Article	IF	Citations
19	Nanoscale Pd supported on 3D porous carbon for enhanced selective oxidation of benzyl alcohol. RSC Advances, 2017, 7, 25885-25890.	1.7	27
20	Ni/NiO nanoparticles on a phosphorous oxide/graphene hybrid for efficient electrocatalytic water splitting. Journal of Materials Chemistry A, 2017, 5, 14758-14762.	5.2	36
21	Nanosizing Pd on 3D porous carbon frameworks as effective catalysts for selective phenylacetylene hydrogenation. RSC Advances, 2017, 7, 15309-15314.	1.7	24
22	Palladium nanoparticles supported on graphene sheets incorporating boron oxides (BxOy) for enhanced formic acid oxidation. Electrochemistry Communications, 2017, 74, 48-52.	2.3	14
23	Pd-P nanoparticles supported on P_xO_y-incorporated carbon nanotubes for enhanced methanol oxidation in an alkaline medium. Physical Chemistry Chemical Physics, 2017, 19, 25214-25219.	1.3	15
24	The role of surface functionalities in fabricating supported Pd-P nanoparticles for efficient formic acid oxidation. Chemical Physics Letters, 2017, 686, 155-160.	1.2	9
25	Largeâ€Area Carbon Nanosheets Doped with Phosphorus: A Highâ€Performance Anode Material for Sodiumâ€Ion Batteries. Advanced Science, 2017, 4, 1600243.	5.6	450
26	Nanosized palladium on holey graphene sheets incorporating PxOy for effective formic acid oxidation. Electrochemistry Communications, 2017, 74, 24-27.	2.3	11
27	Nanosized palladium on phosphorus-incorporated porous carbon frameworks for enhanced selective phenylacetylene hydrogenation. Catalysis Science and Technology, 2017, 7, 4934-4939.	2.1	14
28	Single Nanoparticle Voltammetry: Contact Modulation of the Mediated Current. Angewandte Chemie - International Edition, 2016, 55, 4296-4299.	7.2	53
29	Grapheneâ€Rich Wrapped Petalâ€Like Rutile TiO₂ tuned by Carbon Dots for Highâ€Performance Sodium Storage. Advanced Materials, 2016, 28, 9391-9399.	11.1	262
30	Copper-enriched palladium-copper alloy nanoparticles for effective electrochemical formic acid oxidation. Electrochemistry Communications, 2016, 69, 55-58.	2.3	15
31	Nanosizing low-loading Pd on phosphorus-doped carbon nanotubes for enhanced HCOOH oxidation performance. Electrochemistry Communications, 2016, 67, 26-30.	2.3	23
32	Interactions between Low-Loading Pd Nanoparticles and Surface N-Functionalities and Their Effects on HCOOH Oxidation. Journal of the Electrochemical Society, 2015, 162, H898-H902.	1.3	8
33	Interaction between Palladium Nanoparticles and Surfaceâ€Modified Carbon Nanotubes: Role of Surface Functionalities. ChemCatChem, 2014, 6, 2607-2612.	1.8	30
34	Strong metalâ€“support interactions between palladium and iron oxide and their effect on CO oxidation. Journal of Catalysis, 2014, 317, 220-228.	3.1	76
35	Gold Supported on Graphene Oxide: An Active and Selective Catalyst for Phenylacetylene Hydrogenations at Low Temperatures. ACS Catalysis, 2014, 4, 2369-2373.	5.5	99
36	Optimum Energyâ€Dispersive Xâ€Ray Spectroscopy Elemental Mapping for Advanced Catalytic Materials. ChemCatChem, 2013, 5, 2586-2590.	1.8	6

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37	The Role of Palladium Dynamics in the Surface Catalysis of Coupling Reactions. Angewandte Chemie - International Edition, 2013, 52, 2114-2117.	7.2	75
38	Polarity-Free Epitaxial Growth of Heterostructured ZnO/ZnS Core/Shell Nanobelts. Journal of Physical Chemistry Letters, 2013, 4, 740-744.	2.1	16
39	Clothing Carbon Nanotubes with Palladium Rings: Constructing Carbonï£¿Metal Hybrid Nanostructures under Electronâ€Beam Irradiation. ChemCatChem, 2013, 5, 2581-2585.	1.8	5
40	Improved Selectivity by Stabilizing and Exposing Active Phases on Supported Pd Nanoparticles in Acetyleneâ€Selective Hydrogenation. Chemistry - A European Journal, 2012, 18, 14962-14966.	1.7	50
41	Catalyst-free synthesis of single crystalline ZnO nanonails with ultra-thin caps. CrystEngComm, 2012, 14, 8330.	1.3	38
42	How to Control the Selectivity of Palladiumâ€based Catalysts in Hydrogenation Reactions: The Role of Subsurface Chemistry. ChemCatChem, 2012, 4, 1048-1063.	1.8	223
43	Structural rearrangements of Ru nanoparticles supported on carbon nanotubes under microwave irradiation. Chemical Communications, 2011, 47, 10716.	2.2	32
44	Nanosizing Intermetallic Compounds Onto Carbon Nanotubes: Active and Selective Hydrogenation Catalysts. Angewandte Chemie - International Edition, 2011, 50, 10231-10235.	7.2	128
45	The influence of edge-plane defects and oxygen-containing surface groups on the voltammetry of acid-treated, annealed and â€œsuper-annealedâ€• multiwalled carbon nanotubes. Journal of Solid State Electrochemistry, 2008, 12, 1337-1348.	1.2	105
46	The Electrocatalytic Properties of Arcâ€MWCNTs and Associated â€˜Carbon Onionsâ€™. Electroanalysis, 2008, 20, 498-506.	1.5	50
47	An electrochemical comparison of manganese dioxide microparticles versus Î± and Î² manganese dioxide nanorods: mechanistic and electrocatalytic behaviour. New Journal of Chemistry, 2008, 32, 1195.	1.4	41
48	A simple method for the containment and purification of filled open-ended single wall carbon nanotubes using C60 molecules. Chemical Communications, 2008, , 2164.	2.2	47
49	Removal of amorphous carbon for the efficient sidewall functionalisation of single-walled carbon nanotubes. Chemical Communications, 2007, , 5090.	2.2	108