Liangxu Lin

List of Publications by Year
in descending order

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51 papers	3,069 citations	201575 27 h-index	206029 48 g-index
52 all docs	52 docs citations	52 times ranked	5032 citing authors

#	Article	IF	Citations
1	Fast Activation of Graphene with a Highly Distorted Surface and Its Role in Improved Aqueous Electrochemical Capacitors. ACS Applied Energy Materials, 2022, 5, 8004-8014.	2.5	6
2	In situ simultaneous encapsulation of defective MoS2 nanolayers and sulfur nanodots into SPAN fibers for high rate sodium-ion batteries. Chemical Engineering Journal, 2021, 404, 126430.	6.6	90
3	First-principles calculations of stability of graphene-like BC3 monolayer and its high-performance potassium storage. Chinese Chemical Letters, 2021, 32, 900-905.	4.8	32
4	Two-dimensional blue-phase CX (X = S, Se) monolayers with high carrier mobility and tunable photocatalytic water splitting capability. Chinese Chemical Letters, 2021, 32, 1977-1982.	4.8	31
5	Unzipping chemical bonds of non-layered bulk structures to form ultrathin nanocrystals. Matter, 2021, 4, 955-968.	5.0	10
6	Mn-Fe3O4 nanoparticles anchored on the urushiol functionalized 3D-graphene for the electrochemical detection of 4-nitrophenol. Journal of Hazardous Materials, 2021, 409, 124926.	6.5	47
7	Engineering Carbon Materials for Electrochemical Oxygen Reduction Reactions. Advanced Energy Materials, 2021, 11, 2100695.	10.2	63
8	The Dual Functions of Defectâ€Rich Carbon Nanotubes as Both Conductive Matrix and Efficient Mediator for Liï£¿S Batteries. Small, 2021, 17, e2103535.	5.2	23
9	Engineering 2D Materials: A Viable Pathway for Improved Electrochemical Energy Storage. Advanced Energy Materials, 2020, 10, 2002621.	10.2	45
10	Controllable S-Vacancies of monolayered Moâ€“S nanocrystals for highly harvesting lithium storage. Nano Energy, 2020, 78, 105235.	8.2	41
11	Engineered 2D Transition Metal Dichalcogenidesâ€”A Vision of Viable Hydrogen Evolution Reaction Catalysis. Advanced Energy Materials, 2020, 10, 1903870.	10.2	169
12	Improved charge injection of edge aligned MoS₂/MoO₂ hybrid nanosheets for highly robust and efficient electrocatalysis of H₂ production. Nanoscale, 2020, 12, 5003-5013.	2.8	26
13	Effects of Boron Content on Microstructure and Wear Properties of FeCoCrNiBx High-Entropy Alloy Coating by Laser Cladding. Applied Sciences (Switzerland), 2020, 10, 49.	1.3	25
14	Fabrication of nitrogen and sulfur co-doped carbon nanofibers with three-dimensional architecture for high performance supercapacitors. Applied Surface Science, 2019, 495, 143572.	3.1	29
15	Transition Metal Dichalcogenides for Energy Storage Applications. , 2019, , 173-201.		2
16	Two-dimensional transition metal dichalcogenides in supercapacitors and secondary batteries. Energy Storage Materials, 2019, 19, 408-423.	9.5	189
17	Moss-Derived Mesoporous Carbon as Bi-Functional Electrode Materials for Lithiumâ€“Sulfur Batteries and Supercapacitors. Nanomaterials, 2019, 9, 84.	1.9	25
18	Nitrogen/sulfur dual-doping of reduced graphene oxide harvesting hollow ZnSnS3 nano-microcubes with superior sodium storage. Nano Energy, 2019, 57, 414-423.	8.2	194

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19	Rationally-designed configuration of directly-coated Ni3S2/Ni electrode by RGO providing superior sodium storage. Carbon, 2018, 133, 14-22.	5.4	67
20	A strong and compressible three dimensional graphene/polyurushiol composite for efficient water cleanup. Chemical Engineering Journal, 2018, 333, 153-161.	6.6	43
21	Synthesis of hierarchically porous mullite ceramics with improved thermal insulation via foam-gelcasting combined with pore former addition. Advances in Applied Ceramics, 2018, 117, 493-499.	0.6	22
22	One-Pot Solvothermal Preparation of Fe₃O₄â€“Urushiolâ€“Graphene Hybrid Nanocomposites for Highly Improved Fenton Reactions. ACS Applied Nano Materials, 2018, 1, 2754-2762.	2.4	28
23	Facile in-situ formation of high efficiency nanocarbon supported tungsten carbide nanocatalysts for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2018, 43, 15650-15658.	3.8	15
24	Investigating the bioavailability of graphene quantum dots in lung tissues via Fourier transform infrared spectroscopy. Interface Focus, 2018, 8, 20170054.	1.5	26
25	Biocompatibility and toxicity of graphene quantum dots for potential application in photodynamic therapy. Nanomedicine, 2018, 13, 1923-1937.	1.7	150
26	Superior sodium storage of novel VO₂nano-microspheres encapsulated into crumpled reduced graphene oxide. Journal of Materials Chemistry A, 2017, 5, 4850-4860.	5.2	79
27	Controllable nanoscale engineering of vertically aligned MoS2 ultrathin nanosheets by nitrogen doping of 3D graphene hydrogel for improved electrocatalytic hydrogen evolution. Carbon, 2017, 116, 223-231.	5.4	92
28	A photocatalyst of sulphur depleted monolayered molybdenum sulfide nanocrystals for dye degradation and hydrogen evolution reaction. Nano Energy, 2017, 38, 544-552.	8.2	90
29	Green synthesis of a Se/HPCFâ€“rGO composite for Liâ€“Se batteries with excellent long-term cycling performance. Journal of Materials Chemistry A, 2017, 5, 22997-23005.	5.2	61
30	Effective surface disorder engineering of metal oxide nanocrystals for improved photocatalysis. Applied Catalysis B: Environmental, 2017, 203, 615-624.	10.8	51
31	Low-temperature synthesis of calcium hexaboride nanoparticles via magnesiothermic reduction in molten salt. Journal of the Ceramic Society of Japan, 2017, 125, 866-871.	0.5	3
32	Bio-imaging of lung diseases using luminescent graphene nanocrystals. , 2016, , .		0
33	Solvent-Assisted Oxygen Incorporation of Vertically Aligned MoS₂ Ultrathin Nanosheets Decorated on Reduced Graphene Oxide for Improved Electrocatalytic Hydrogen Evolution. ACS Applied Materials & Interfaces, 2016, 8, 25210-25218.	4.0	103
34	Sulfur-Depleted Monolayered Molybdenum Disulfide Nanocrystals for Superelectrochemical Hydrogen Evolution Reaction. ACS Nano, 2016, 10, 8929-8937.	7.3	140
35	Formation of tunable graphene oxide coating with high adhesion. Physical Chemistry Chemical Physics, 2016, 18, 5086-5090.	1.3	24
36	Preparation of SiC/SiO2 coreâ€“shell nanowires via molten salt mediated carbothermal reduction route. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 80, 19-24.	1.3	22

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37	Synthesis and characterization of water soluble self-passivated graphene quantum dots for biological applications. , 2015, , .		1
38	Simple growth of BCNO@C core shell fibres and luminescent BCNO tubes. CrystEngComm, 2015, 17, 1491-1495.	1.3	10
39	Molten salt assisted synthesis of 3Câ€“SiC nanowire and its photoluminescence properties. Ceramics International, 2015, 41, 12614-12620.	2.3	43
40	Fabrication and Luminescence of Monolayered Boron Nitride Quantum Dots. Small, 2014, 10, 60-65.	5.2	196
41	Surface Energy Engineering in the Solvothermal Deoxidation of Graphene Oxide. Advanced Materials Interfaces, 2014, 1, 1300078.	1.9	30
42	Fabrication of Luminescent Monolayered Tungsten Dichalcogenides Quantum Dots with Giant Spin-Valley Coupling. ACS Nano, 2013, 7, 8214-8223.	7.3	181
43	Effective solvothermal deoxidization of graphene oxide using solid sulphur as a reducing agent. Journal of Materials Chemistry, 2012, 22, 14385.	6.7	40
44	Creating high yield water soluble luminescent graphene quantum dots via exfoliating and disintegrating carbon nanotubes and graphite flakes. Chemical Communications, 2012, 48, 10177.	2.2	383
45	Size-dependent oriented attachment in the growth of pure and defect-free hexagonal boron nitride nanocrystals. Nanotechnology, 2011, 22, 215603.	1.3	8
46	Synthesis and Application in the CO Oxidation Conversion Reaction of Hexagonal Boron Nitride with High Surface Area. Journal of the American Ceramic Society, 2009, 92, 1347-1349.	1.9	29
47	Synthesis of novel acetabuliform boron nitride nanoparticles with high surface area. Scripta Materialia, 2008, 59, 1151-1154.	2.6	17
48	Facile synthesis of hexagonal boron nitride fibers and flowers. Materials Letters, 2007, 61, 1735-1737.	1.3	21
49	A simple method to synthesize polyhedral hexagonal boron nitride nanofibers. Solid State Sciences, 2007, 9, 1099-1104.	1.5	14
50	Synthesis of a novel mesoporous silicon carbide with a thorn-ball-like shape. Scripta Materialia, 2006, 55, 883-886.	2.6	16
51	Synthesis and characterization of Feâ€“Ceâ€“MCM-41. Materials Letters, 2006, 60, 3221-3223.	1.3	17