

Lei Zhang

List of Publications by Year in descending order

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32
papers

1,129
citations

393982

19
h-index

395343

33
g-index

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all docs

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docs citations

33
times ranked

1817
citing authors

#	ARTICLE	IF	CITATIONS
1	In situ construction of Co/Co ₃ O ₄ with N-doped porous carbon as a bifunctional electrocatalyst for oxygen reduction and oxygen evolution reactions. <i>Catalysis Today</i> , 2020, 355, 286-294.	2.2	37
2	The construction of a 2D MoS ₂ -based binder-free electrode with a honeycomb structure for enhanced electrochemical performance. <i>Dalton Transactions</i> , 2020, 49, 8036-8040.	1.6	3
3	Enhanced NO ₂ Sensitivity in Schottky-Contacted n-Type SnS ₂ Gas Sensors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 26746-26754.	4.0	49
4	Photo-enhanced gas sensing of SnS ₂ with nanoscale defects. <i>RSC Advances</i> , 2019, 9, 626-635.	1.7	43
5	Strategy for Fabricating Wafer-Scale Platinum Disulfide. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 8202-8209.	4.0	37
6	Enhanced NO ₂ Sensing at Room Temperature with Graphene via Monodisperse Polystyrene Bead Decoration. <i>ACS Omega</i> , 2019, 4, 3812-3819.	1.6	33
7	Morphology tuning of porous CoO nanowall towards enhanced electrochemical performance as supercapacitors electrodes. <i>Catalysis Today</i> , 2019, 330, 240-245.	2.2	53
8	Dimensional construction and morphological tuning of heterogeneous MoS ₂ /NiS electrocatalysts for efficient overall water splitting. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9833-9838.	5.2	114
9	Bubble-supported engineering of hierarchical CuCo ₂ S ₄ hollow spheres for enhanced electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5265-5270.	5.2	103
10	Cross-linked Ni(OH) ₂ /CuCo ₂ S ₄ /Ni networks as binder-free electrodes for high performance supercapacities. <i>Nanoscale</i> , 2018, 10, 20526-20532.	2.8	41
11	Hollow spherical LaNiO ₃ supercapacitor electrode synthesized by a facile template-free method. <i>Materials Letters</i> , 2017, 201, 122-124.	1.3	54
12	H ₂ S + SO ₂ produces water-dispersed sulfur nanoparticles for lithium-sulfur batteries. <i>Nano Energy</i> , 2017, 41, 665-673.	8.2	12
13	Improved performance of Li-Se battery based on a novel dual functional CNTs@graphene/CNTs cathode construction. <i>Rare Metals</i> , 2017, 36, 425-433.	3.6	15
14	Polyvinylpyrrolidone-assisted Solvothermal Synthesis of Porous LaCoO ₃ Nanospheres as Supercapacitor Electrode. <i>International Journal of Electrochemical Science</i> , 2017, 12, 7121-7127.	0.5	21
15	Spatially Interlinked Graphene with Uniformly Loaded Sulfur for High Performance Li-S Batteries. <i>Chinese Journal of Chemistry</i> , 2016, 34, 41-45.	2.6	11
16	Covalent modification of graphite oxide with acetic anhydride to enhance dispersibility in organic solvents. <i>Functional Materials Letters</i> , 2016, 09, 1650044.	0.7	1
17	A highly efficient electrocatalyst of perovskite LaNiO ₃ for nonaqueous Li-O ₂ batteries with superior cycle stability. <i>Journal of Alloys and Compounds</i> , 2016, 664, 750-755.	2.8	28
18	Pr ₆ O ₁₁ -Coated High Capacity Layered Li _{0.17} Ni _{0.17} Co _{0.10} Mn _{0.56}]O ₂ as a Cathode Material for Lithium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2014, 161, A1564-A1571.	1.3	13

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19	An intermediate temperature fuel cell based on composite electrolyte of carbonate and doped barium cerate with SrFe _{0.7} Mn _{0.2} Mo _{0.1} O ₃ cathode. International Journal of Hydrogen Energy, 2013, 38, 16546-16551.	3.8	13
20	Electro-Responsive Polystyrene Shape Memory Polymer Nanocomposites. Nanoscience and Nanotechnology Letters, 2012, 4, 814-820.	0.4	26
21	Conductivity and stability of cobalt pyrovanadate. Journal of Alloys and Compounds, 2011, 509, 4117-4121.	2.8	11
22	Electrochemical synthesis of ammonia based on doped-ceria-carbonate composite electrolyte and perovskite cathode. Solid State Ionics, 2011, 201, 94-100.	1.3	89
23	Fabrication of solid oxide fuel cell based on doped ceria electrolyte by one-step sintering at 800Å°C. Solid State Ionics, 2011, 203, 47-51.	1.3	18
24	Study on conductivity and redox stability of iron orthovanadate. Materials Chemistry and Physics, 2011, 126, 614-618.	2.0	17
25	An intermediate temperature solid oxide fuel cell fabricated by one step co-press-sintering. International Journal of Hydrogen Energy, 2011, 36, 14643-14647.	3.8	18
26	A stable intermediate temperature fuel cell based on doped-ceria-carbonate composite electrolyte and perovskite cathode. Electrochemistry Communications, 2011, 13, 582-585.	2.3	45
27	Durability study of an intermediate temperature fuel cell based on an oxide-carbonate composite electrolyte. International Journal of Hydrogen Energy, 2010, 35, 6934-6940.	3.8	46
28	Cost-effective solid oxide fuel cell prepared by single step co-press-firing process with lithiated NiO cathode. Electrochemistry Communications, 2010, 12, 1589-1592.	2.3	27
29	A high performance intermediate temperature fuel cell based on a thick oxide-carbonate electrolyte. Journal of Power Sources, 2009, 194, 967-971.	4.0	47
30	Stability and conductivity study of NH ₄ PO ₃ -PTFE composites at intermediate temperatures. Journal of Alloys and Compounds, 2009, 480, 874-877.	2.8	9
31	Ferroelectric Aging and Recoverable Electrostrain in BaTi _{0.98} Ca _{0.02} O _{2.98} Ceramics. Journal of the American Ceramic Society, 2008, 91, 3101-3104.	1.9	10
32	Comment on the use of calcium as a dopant in X ₈ R BaTiO ₃ -based ceramics. Applied Physics Letters, 2007, 90, 142914.	1.5	81