Xiaoning Li

List of Publications by Year in descending order

43 papers	1,412 citations	361413 20 h-index	330143 37 g-index
46 all docs	46 docs citations	46 times ranked	1805 citing authors

#	Article	IF	Citations
1	Regulating Na Occupation to Introduce Non-Fermi-Liquid States of NaxCoO2 for Enhanced Water Oxidation Activity. Journal of Physical Chemistry Letters, 2022, 13, 784-791.	4.6	3
2	Boosting electrocatalytic water splitting by magnetic fields. Chem Catalysis, 2022, 2, 2140-2149.	6.1	10
3	Understanding the Mechanism of the Oxygen Evolution Reaction with Consideration of Spin. Electrochemical Energy Reviews, 2021, 4, 136-145.	25.5	110
4	Smart oxygen vacancy engineering to enhance water oxidation efficiency by separating the different effects of bulk and surface vacancies. Materials Today Energy, 2021, 19, 100619.	4.7	12
5	Hydrogen Generation and Degradation of Organic Dyes by New Piezocatalytic 0.7BiFeO₃â€“0.3BaTiO₃ Nanoparticles with Proper Band Alignment. ACS Applied Materials & Interfaces, 2021, 13, 11050-11057.	8.0	48
6	Revealing the Correlation of OER with Magnetism: A New Descriptor of Curie/Neel Temperature for Magnetic Electrocatalysts. Advanced Science, 2021, 8, e2101000.	11.2	14
7	Vacancy-defect modulated pathway of photoreduction of CO2 on single atomically thin AgInP2S6 sheets into olefiant gas. Nature Communications, 2021, 12, 4747.	12.8	128
8	The ferrimagnetic super-exchange interactions in post-annealed Bi4Ti3O12-La0.5Sr0.5MnO3. Journal of Magnetism and Magnetic Materials, 2021, 539, 168386.	2.3	3
9	The nanoscale control of disorder-to-order layer-stacking boosts multiferroic responses in an Aurivillius-type layered oxide. Journal of Materials Chemistry C, 2021, 9, 4825-4837.	5.5	6
10	Processing Rusty Metals into Versatile Prussian Blue for Sustainable Energy Storage. Advanced Energy Materials, 2021, 11, 2102356.	19.5	41
11	Accelerating hydrogen evolution in Ru-doped FeCoP nanoarrays with lattice distortion toward highly efficient overall water splitting. Catalysis Science and Technology, 2020, 10, 8314-8324.	4.1	24
12	High Oxygen Evolution Activity of Tungsten Bronze Oxides Boosted by Anchoring of Co²⁺ at Nb⁵⁺ Sites Accompanied by Substantial Oxygen Vacancy. Advanced Science, 2020, 7, 2002242.	11.2	18
13	Quantitative correlations between photochemical performance and low-electron-density defect. Applied Surface Science, 2020, 527, 146688.	6.1	3
14	Activating the lattice oxygen in (Bi_{0.5}Co_{0.5})₂O₃ by vacancy modulation for efficient electrochemical water oxidation. Journal of Materials Chemistry A, 2020, 8, 13150-13159.	10.3	50
15	Flexible hybrid piezo/triboelectric energy harvester with high power density workable at elevated temperatures. Journal of Materials Chemistry A, 2020, 8, 12003-12012.	10.3	42
16	Superior adsorption capability and excellent photocatalytic activity derived from the ferroelectric external screening effect in Bi₃TiNbO₉single-crystal nanosheets. Catalysis Science and Technology, 2020, 10, 2864-2873.	4.1	17
17	Synergistic effect of electron transport layer and colloidal quantum dot solid enable PbSe quantum dot solar cell achieving over 10 % efficiency. Nano Energy, 2019, 64, 103922.	16.0	43
18	Optimized Electronic Configuration to Improve the Surface Absorption and Bulk Conductivity for Enhanced Oxygen Evolution Reaction. Journal of the American Chemical Society, 2019, 141, 3121-3128.	13.7	68

#	Article	IF	Citations
19	Structural modulation enables magneto-dielectric effect and enhanced photoactivity in ferroelectric bismuth iron niobate pyrochlore. Journal of Materials Chemistry C, 2019, 7, 1263-1272.	5.5	23
20	Interface-coupling of CoFe-LDH on MXene as high-performance oxygen evolution catalyst. Materials Today Energy, 2019, 12, 453-462.	4.7	162
21	Flexible piezoelectric energy harvester/sensor with high voltage output over wide temperature range. Nano Energy, 2019, 61, 337-345.	16.0	75
22	Self-limited ion-exchange grown Bi6Fe2Ti3O18-BiOBr ferroelectric heterostructure and the enhanced photocatalytic oxygen evolution. Applied Surface Science, 2019, 479, 137-147.	6.1	19
23	Enhancing oxygen evolution efficiency of multiferroic oxides by spintronic and ferroelectric polarization regulation. Nature Communications, 2019, 10, 1409.	12.8	76
24	Magnetocrystalline anisotropy in the Co/Fe codoped Aurivillius oxide with different perovskite layer number. Journal of the American Ceramic Society, 2018, 101, 2417-2427.	3.8	14
25	Morphology effect on photocatalytic activity in Bi₃Fe_{0.5}Nb_{1.5}O₉. Nanotechnology, 2018, 29, 265706.	2.6	9
26	Realizing selective water splitting hydrogen/oxygen evolution on ferroelectric Bi3TiNbO9 nanosheets. Nano Energy, 2018, 49, 489-497.	16.0	70
27	Enzyme-catalysed room temperature and atmospheric pressure synthesis of metal carbonate hydroxides for energy storage. Nano Energy, 2018, 54, 200-208.	16.0	24
28	Anisotropic electrical and magnetic properties in grain-oriented Bi₄Ti₃O₁₂â€“La_{0.5}Sr_{0.5}MnO₃. Journal of Materials Chemistry C, 2018, 6, 11272-11279.	5.5	14
29	Sonocatalysis of the magnetic recyclable layered perovskite oxides. Ultrasonics Sonochemistry, 2018, 49, 260-267.	8.2	11
30	Enhanced Photocatalytic Activities of g-C3N4 via Hybridization with a Biâ€“Feâ€“Nb-Containing Ferroelectric Pyrochlore. ACS Applied Materials & Interfaces, 2017, 9, 19908-19916.	8.0	43
31	Greatly improved dispersibility of Pt quantum dots in hematite nanoarray and enhanced photoelectrochemical performance. Nanotechnology, 2017, 28, 415603.	2.6	2
32	Thermal Behaviors of Methylammonium Lead Trihalide Perovskites with or without Chlorine Doping. Journal of Physical Chemistry C, 2016, 120, 15009-15016.	3.1	2
33	Enhanced magnetism and light absorption of Eu-doped BiFeO3. Journal of Materials Science: Materials in Electronics, 2016, 27, 7079-7083.	2.2	4
34	Improving photocatalysis and magnetic recyclability in Bi 5 Fe 0.95 Co 0.05 Ti 3 O 15 via europium doping. Journal of Alloys and Compounds, 2016, 686, 306-311.	5.5	9
35	Multifunctional Single-Phase Photocatalysts: Extended Near Infrared Photoactivity and Reliable Magnetic Recyclability. Scientific Reports, 2015, 5, 15511.	3.3	28
36	Optimizing the photocatalysis in ferromagnetic Bi₆Fe_{1.9}Co_{0.1}Ti₃O₁₈ nanocrystal by morphology control. RSC Advances, 2015, 5, 54165-54170.	3.6	13

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37	Facile route to prepare grain-oriented multiferroic Bi7Fe3â^'Co Ti3O21 ceramics. Journal of the European Ceramic Society, 2015, 35, 3437-3443.	5.7	19
38	Tailoring of {116} faceted single crystalline anatase nanosheet arrays and their improved electrochemical performance. CrystEngComm, 2015, 17, 4377-4382.	2.6	3
39	Influence of annealing temperature on the crystallization and ferroelectricity of perovskite CH3NH3PbI3 film. Applied Surface Science, 2015, 357, 391-396.	6.1	27
40	Visible light responsive Bi₇Fe₃Ti₃O₂₁nanoshelf photocatalysts with ferroelectricity and ferromagnetism. Journal of Materials Chemistry A, 2014, 2, 13366.	10.3	79
41	{116} faceted anatase single-crystalline nanosheet arrays: facile synthesis and enhanced electrochemical performances. Nanoscale, 2014, 6, 12434-12439.	5.6	8
42	Ethanol assisted synthesis of anatase nanobelts with improved crystallinity and photocatalytic activity. Applied Surface Science, 2013, 283, 175-180.	6.1	4
43	Nanosheet array assembled by TiO₂nanocrystallites with {116} facets parallel to the nanosheet surface. Journal of Materials Chemistry A, 2013, 1, 225-228.	10.3	32