

# Xiaoning Li

## List of Publications by Year in descending order

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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	Interface-coupling of CoFe-LDH on MXene as high-performance oxygen evolution catalyst. <i>Materials Today Energy</i> , 2019, 12, 453-462.	4.7	162
2	Vacancy-defect modulated pathway of photoreduction of CO <sub>2</sub> on single atomically thin AgInP <sub>2</sub> S <sub>6</sub> sheets into olefiant gas. <i>Nature Communications</i> , 2021, 12, 4747.	12.8	128
3	Understanding the Mechanism of the Oxygen Evolution Reaction with Consideration of Spin. <i>Electrochemical Energy Reviews</i> , 2021, 4, 136-145.	25.5	110
4	Visible light responsive Bi <sub>7</sub> Fe <sub>3</sub> Ti <sub>3</sub> O <sub>21</sub> nanoshelf photocatalysts with ferroelectricity and ferromagnetism. <i>Journal of Materials Chemistry A</i> , 2014, 2, 13366.	10.3	79
5	Enhancing oxygen evolution efficiency of multiferroic oxides by spintronic and ferroelectric polarization regulation. <i>Nature Communications</i> , 2019, 10, 1409.	12.8	76
6	Flexible piezoelectric energy harvester/sensor with high voltage output over wide temperature range. <i>Nano Energy</i> , 2019, 61, 337-345.	16.0	75
7	Realizing selective water splitting hydrogen/oxygen evolution on ferroelectric Bi <sub>3</sub> TiNbO <sub>9</sub> nanosheets. <i>Nano Energy</i> , 2018, 49, 489-497.	16.0	70
8	Optimized Electronic Configuration to Improve the Surface Absorption and Bulk Conductivity for Enhanced Oxygen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2019, 141, 3121-3128.	13.7	68
9	Activating the lattice oxygen in (Bi <sub>0.5</sub> Co <sub>0.5</sub> ) <sub>2</sub> O <sub>3</sub> by vacancy modulation for efficient electrochemical water oxidation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13150-13159.	10.3	50
10	Hydrogen Generation and Degradation of Organic Dyes by New Piezocatalytic 0.7BiFeO <sub>3</sub> •0.3BaTiO <sub>3</sub> Nanoparticles with Proper Band Alignment. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 11050-11057.	8.0	48
11	Enhanced Photocatalytic Activities of g-C <sub>3</sub> N <sub>4</sub> via Hybridization with a Bi-Fe-Nb-Containing Ferroelectric Pyrochlore. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 19908-19916.	8.0	43
12	Synergistic effect of electron transport layer and colloidal quantum dot solid enable PbSe quantum dot solar cell achieving over 10 % efficiency. <i>Nano Energy</i> , 2019, 64, 103922.	16.0	43
13	Flexible hybrid piezo/triboelectric energy harvester with high power density workable at elevated temperatures. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12003-12012.	10.3	42
14	Processing Rusty Metals into Versatile Prussian Blue for Sustainable Energy Storage. <i>Advanced Energy Materials</i> , 2021, 11, 2102356.	19.5	41
15	Nanosheet array assembled by TiO <sub>2</sub> nanocrystallites with {116} facets parallel to the nanosheet surface. <i>Journal of Materials Chemistry A</i> , 2013, 1, 225-228.	10.3	32
16	Multifunctional Single-Phase Photocatalysts: Extended Near Infrared Photoactivity and Reliable Magnetic Recyclability. <i>Scientific Reports</i> , 2015, 5, 15511.	3.3	28
17	Influence of annealing temperature on the crystallization and ferroelectricity of perovskite CH <sub>3</sub> NH <sub>3</sub> Pb <sub>3</sub> film. <i>Applied Surface Science</i> , 2015, 357, 391-396.	6.1	27
18	Enzyme-catalysed room temperature and atmospheric pressure synthesis of metal carbonate hydroxides for energy storage. <i>Nano Energy</i> , 2018, 54, 200-208.	16.0	24

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19	Accelerating hydrogen evolution in Ru-doped FeCoP nanoarrays with lattice distortion toward highly efficient overall water splitting. <i>Catalysis Science and Technology</i> , 2020, 10, 8314-8324.	4.1	24
20	Structural modulation enables magneto-dielectric effect and enhanced photoactivity in ferroelectric bismuth iron niobate pyrochlore. <i>Journal of Materials Chemistry C</i> , 2019, 7, 1263-1272.	5.5	23
21	Facile route to prepare grain-oriented multiferroic Bi <sub>7</sub> Fe <sub>3</sub> ~Co Ti <sub>3</sub> O <sub>21</sub> ceramics. <i>Journal of the European Ceramic Society</i> , 2015, 35, 3437-3443.	5.7	19
22	Self-limited ion-exchange grown Bi <sub>6</sub> Fe <sub>2</sub> Ti <sub>3</sub> O <sub>18</sub> -BiOBr ferroelectric heterostructure and the enhanced photocatalytic oxygen evolution. <i>Applied Surface Science</i> , 2019, 479, 137-147.	6.1	19
23	High Oxygen Evolution Activity of Tungsten Bronze Oxides Boosted by Anchoring of Co <sup>2+</sup> at Nb <sup>5+</sup> Sites Accompanied by Substantial Oxygen Vacancy. <i>Advanced Science</i> , 2020, 7, 2002242.	11.2	18
24	Superior adsorption capability and excellent photocatalytic activity derived from the ferroelectric external screening effect in Bi <sub>3</sub> TiNbO <sub>9</sub> single-crystal nanosheets. <i>Catalysis Science and Technology</i> , 2020, 10, 2864-2873.	4.1	17
25	Magnetocrystalline anisotropy in the Co/Fe codoped Aurivillius oxide with different perovskite layer number. <i>Journal of the American Ceramic Society</i> , 2018, 101, 2417-2427.	3.8	14
26	Anisotropic electrical and magnetic properties in grain-oriented Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> ~La <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> . <i>Journal of Materials Chemistry C</i> , 2018, 6, 11272-11279.	5.5	14
27	Revealing the Correlation of OER with Magnetism: A New Descriptor of Curie/Neel Temperature for Magnetic Electrocatalysts. <i>Advanced Science</i> , 2021, 8, e2101000.	11.2	14
28	Optimizing the photocatalysis in ferromagnetic Bi <sub>6</sub> Fe <sub>1.9</sub> Co <sub>0.1</sub> Ti <sub>3</sub> O <sub>18</sub> nanocrystal by morphology control. <i>RSC Advances</i> , 2015, 5, 54165-54170.	3.6	13
29	Smart oxygen vacancy engineering to enhance water oxidation efficiency by separating the different effects of bulk and surface vacancies. <i>Materials Today Energy</i> , 2021, 19, 100619.	4.7	12
30	Sonocatalysis of the magnetic recyclable layered perovskite oxides. <i>Ultrasonics Sonochemistry</i> , 2018, 49, 260-267.	8.2	11
31	Boosting electrocatalytic water splitting by magnetic fields. <i>Chem Catalysis</i> , 2022, 2, 2140-2149.	6.1	10
32	Improving photocatalysis and magnetic recyclability in Bi <sub>5</sub> Fe <sub>0.95</sub> Co <sub>0.05</sub> Ti <sub>3</sub> O <sub>15</sub> via europium doping. <i>Journal of Alloys and Compounds</i> , 2016, 686, 306-311.	5.5	9
33	Morphology effect on photocatalytic activity in Bi <sub>3</sub> Fe <sub>0.5</sub> Nb <sub>1.5</sub> O <sub>9</sub> . <i>Nanotechnology</i> , 2018, 29, 265706.	2.6	9
34	{116} faceted anatase single-crystalline nanosheet arrays: facile synthesis and enhanced electrochemical performances. <i>Nanoscale</i> , 2014, 6, 12434-12439.	5.6	8
35	The nanoscale control of disorder-to-order layer-stacking boosts multiferroic responses in an Aurivillius-type layered oxide. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4825-4837.	5.5	6
36	Ethanol assisted synthesis of anatase nanobelts with improved crystallinity and photocatalytic activity. <i>Applied Surface Science</i> , 2013, 283, 175-180.	6.1	4

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37	Enhanced magnetism and light absorption of Eu-doped BiFeO <sub>3</sub> . Journal of Materials Science: Materials in Electronics, 2016, 27, 7079-7083.	2.2	4
38	Tailoring of {116} faceted single crystalline anatase nanosheet arrays and their improved electrochemical performance. CrystEngComm, 2015, 17, 4377-4382.	2.6	3
39	Quantitative correlations between photochemical performance and low-electron-density defect. Applied Surface Science, 2020, 527, 146688.	6.1	3
40	The ferrimagnetic super-exchange interactions in post-annealed Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> -La <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> . Journal of Magnetism and Magnetic Materials, 2021, 539, 168386.	2.3	3
41	Regulating Na Occupation to Introduce Non-Fermi-Liquid States of Na <sub>x</sub> CoO <sub>2</sub> for Enhanced Water Oxidation Activity. Journal of Physical Chemistry Letters, 2022, 13, 784-791.	4.6	3
42	Thermal Behaviors of Methylammonium Lead Trihalide Perovskites with or without Chlorine Doping. Journal of Physical Chemistry C, 2016, 120, 15009-15016.	3.1	2
43	Greatly improved dispersibility of Pt quantum dots in hematite nanoarray and enhanced photoelectrochemical performance. Nanotechnology, 2017, 28, 415603.	2.6	2