

# Jianlin Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3233121/publications.pdf>

Version: 2024-02-01

18  
papers

1,160  
citations

1040056

9  
h-index

839539

18  
g-index

18  
all docs

18  
docs citations

18  
times ranked

1336  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rational design of layered oxide materials for sodium-ion batteries. <i>Science</i> , 2020, 370, 708-711.	12.6	616
2	Revealing High Na-Content P2-Type Layered Oxides as Advanced Sodium-Ion Cathodes. <i>Journal of the American Chemical Society</i> , 2020, 142, 5742-5750.	13.7	206
3	The stabilities and electronic structures of single-layer bismuth oxyhalides for photocatalytic water splitting. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 25854-25861.	2.8	105
4	Ti Substitution Facilitating Oxygen Oxidation in Na <sub>2</sub> /3Mg <sub>1</sub> /3Ti <sub>1</sub> /6Mn <sub>1</sub> /2O <sub>2</sub> Cathode. <i>CheM</i> , 2019, 5, 2913-2925.	11.7	75
5	Unraveling nanoscale electrochemical dynamics of graphite fluoride by <i>in situ</i> electron microscopy: key difference between lithiation and sodiation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6105-6111.	10.3	40
6	Regulation of phase transition and magnetocaloric effect by ferroelectric domains in FeRh/PMN-PT heterojunctions. <i>Acta Materialia</i> , 2020, 191, 51-59.	7.9	31
7	Constructing Na <sup>+</sup> Cathodes via Alkali Site Substitution. <i>Advanced Functional Materials</i> , 2020, 30, 1910840.	14.9	28
8	Enhanced Performance of $\hat{T}$ upon Frequent Alternating Magnetic Fields in FeRh Alloys by Introducing Second Phases. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 18293-18301.	8.0	11
9	Atomic-Scale Observation of Structure Transition from Brownmillerite to Infinite Layer in SrFeO <sub>2.5</sub> Thin Films. <i>Chemistry of Materials</i> , 2021, 33, 3113-3120.	6.7	10
10	Nanoplasmonic zirconium nitride photocatalyst for direct overall water splitting. <i>Chinese Chemical Letters</i> , 2022, 33, 1271-1274.	9.0	10
11	Effect of single point defect on local properties in BiFeO <sub>3</sub> thin film. <i>Acta Materialia</i> , 2019, 170, 132-137.	7.9	5
12	Broadband Plasmonic NbN Photocatalysts for Enhanced Hydrogen Generation from Ammonia Borane under Visible-Near-Infrared Illumination. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 4220-4226.	4.6	5
13	Atomic-scale visualization of metallic lead leak related fine structure in CsPbBr <sub>3</sub> quantum dots. <i>Nanoscale</i> , 2021, 13, 124-130.	5.6	4
14	Perpendicular magnetic anisotropy induced by La <sub>2/3</sub> Sr <sub>1/3</sub> MnO <sub>3</sub> –YBaCo <sub>2</sub> O <sub>5+<math>\delta</math></sub> interlayer coupling. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 185302.	2.8	4
15	Insight into long-period pattern by depth sectioning using aberration-corrected scanning transmission electron microscope. <i>Ultramicroscopy</i> , 2020, 209, 112885.	1.9	3
16	The Lightest 2D Nanomaterial: Freestanding Ultrathin Li Nanosheets by In Situ Nanoscale Electrochemistry. <i>Small</i> , 2021, 17, e2101641.	10.0	3
17	Edge-Enriched Large-Area Hexagonal BN Ultrathin Films with Enhanced Optical Second Harmonic Generation. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9475-9480.	4.6	3
18	Theoretical study of the rutile based semiconductor with visible-light responsive photocatalytic activity for water splitting. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 6131-6137.	7.1	1