

# Xiaolong Li

## List of Publications by Year in descending order

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53  
papers

1,808  
citations

257450

24  
h-index

276875

41  
g-index

53  
all docs

53  
docs citations

53  
times ranked

2756  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrahigh Piezoelectric Properties in Textured (K,Na)NbO <sub>3</sub> -Based Lead-Free Ceramics. <i>Advanced Materials</i> , 2018, 30, 1705171.	21.0	361
2	Switching of morphotropic phase boundary and large strain response in lead-free ternary (Bi <sub>0.5</sub> Na <sub>0.5</sub> )TiO <sub>3</sub> -(K <sub>0.5</sub> Bi <sub>0.5</sub> )TiO <sub>3</sub> -(K <sub>0.5</sub> Na <sub>0.5</sub> )NbO <sub>3</sub> system. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	143
3	Bandgap tuning of two-dimensional materials by sphere diameter engineering. <i>Nature Materials</i> , 2020, 19, 528-533.	27.5	80
4	The Origin of Oxygen Vacancies Controlling La <sub>2/3</sub> Sr <sub>1/3</sub> MnO <sub>3</sub> Electronic and Magnetic Properties. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500753.	3.7	73
5	Facile renewable synthesis of nitrogen/oxygen co-doped graphene-like carbon nanocages as general lithium-ion and potassium-ion batteries anode. <i>Carbon</i> , 2020, 167, 685-695.	10.3	69
6	A Superlattice-Stabilized Layered CuS Anode for High-Performance Aqueous Zinc-Ion Batteries. <i>ACS Nano</i> , 2021, 15, 17748-17756.	14.6	62
7	Direct Growth of Graphene on Silicon by Metal-Free Chemical Vapor Deposition. <i>Nano-Micro Letters</i> , 2018, 10, 20.	27.0	57
8	In Situ Formation of Hierarchical Bismuth Nanodots/Graphene Nanoarchitectures for Ultrahigh-Rate and Durable Potassium-Ion Storage. <i>Small</i> , 2020, 16, e1905789.	10.0	57
9	In Situ Real-Time Study of the Dynamic Formation and Conversion Processes of Metal Halide Perovskite Films. <i>Advanced Materials</i> , 2018, 30, 1706401.	21.0	52
10	Large Strain Response in 0.99(xBi)Na <sub>0.5</sub> (K)Na <sub>0.4</sub> Lead-Free Ceramics Induced by the Change of (K)Na Ratio in (xK)Na <sub>1-x</sub> . <i>Journal of the American Ceramic Society</i> , 2013, 96, 3133-3140.	3.8	49
11	Water assisted formation of highly oriented CsPb <sub>2</sub> Br perovskite films with the solar cell efficiency exceeding 16%. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17670-17674.	10.3	40
12	Facile preparation of nitrogen-doped graphene sponge as a highly efficient oil absorption material. <i>Materials Letters</i> , 2016, 178, 95-99.	2.6	39
13	Facile synthesis the nitrogen and sulfur co-doped carbon dots for selective fluorescence detection of heavy metal ions. <i>Materials Letters</i> , 2017, 193, 236-239.	2.6	39
14	Synergistic Engineering of Sulfur Vacancies and Heterointerfaces in Copper Sulfide Anodes for Aqueous Zn-Ion Batteries with Fast Diffusion Kinetics and an Ultralong Lifespan. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	39
15	Proton-Dominated Reversible Aqueous Zinc Batteries with an Ultraflat Long Discharge Plateau. <i>ACS Nano</i> , 2021, 15, 14766-14775.	14.6	38
16	Reversible proton co-intercalation boosting zinc-ion adsorption and migration abilities in bismuth selenide nanoplates for advanced aqueous batteries. <i>Energy Storage Materials</i> , 2021, 42, 34-41.	18.0	37
17	Preparation of highly fluorescent sulfur doped graphene quantum dots for live cell imaging. <i>Journal of Luminescence</i> , 2018, 197, 147-152.	3.1	36
18	A Green and lower-temperature synthesis of two-color fluorescent nitrogen doped graphene quantum dots. <i>Dyes and Pigments</i> , 2018, 156, 379-385.	3.7	35

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19	Thickness-dependent twinning evolution and ferroelectric behavior of epitaxial $\text{BiFeO}_3$ thin films. <i>Physical Review B</i> , 2010, 82, .	3.2	32
20	Interfacial-Strain-Induced Structural and Polarization Evolutions in Epitaxial Multiferroic $\text{BiFeO}_3$ (001) Thin Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 2944-2951.	8.0	32
21	Manipulating the Structural and Electronic Properties of Epitaxial $\text{SrCoO}_{2.5}$ Thin Films by Tuning the Epitaxial Strain. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 10211-10219.	8.0	31
22	The morphology and structure of crystals in Qing Dynasty purple-gold glaze excavated from the Forbidden City. <i>Journal of the American Ceramic Society</i> , 2018, 101, 5229-5240.	3.8	30
23	Electronic structure evolutions driven by oxygen vacancy in $\text{SrCoO}_{3-x}$ films. <i>Science China Materials</i> , 2019, 62, 1162-1168.	6.3	27
24	Large and stable piezoelectric response in $\text{Bi}_{0.97}\text{Nd}_{0.03}\text{FeO}_3$ thin film. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	26
25	Structure, Optical Absorption, and Performance of Organic Solar Cells Improved by Gold Nanoparticles in Buffer Layers. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 24430-24437.	8.0	24
26	Periodic elastic nanodomains in ultrathin tetragonal-like $\text{BiFeO}_3$ films. <i>Physical Review B</i> , 2013, 88, .	3.2	22
27	A novel multielement nanocomposite with ultrahigh rate capacity and durable performance for sodium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11598-11606.	10.3	21
28	The Structure-Property Investigation of $\text{Bi}_{1-x}\text{Ce}_x\text{FeO}_3$ ( $x = 0, 0.05$ ) Li Battery: In Situ XRD and XANES Studies. <i>Journal of Physical Chemistry C</i> , 2012, 116, 20230-20238.	3.1	19
29	Real-time observation of graphene layer growth: Coupling of the interlayer spacing with thickness. <i>Carbon</i> , 2015, 94, 775-780.	10.3	19
30	Facile Room-Temperature Synthesis of High-Chemical-Stability Nitrogen-Doped Graphene Quantum Dot/ $\text{CsPbBr}_3$ Composite. <i>ACS Applied Electronic Materials</i> , 2019, 1, 2244-2252.	4.3	19
31	Controllable synthesis of large-area free-standing amorphous carbon films and their potential application in supercapacitors. <i>RSC Advances</i> , 2014, 4, 63734-63740.	3.6	14
32	In situ observation of metal ion interactions with graphene oxide layers: From the growth of metal hydroxide to metal oxide formation. <i>Carbon</i> , 2021, 184, 721-727.	10.3	14
33	Improving polymer solar cell performances by manipulating the self-organization of polymer. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	12
34	Dehydration behaviour and structural evolution of graphene oxide membranes on silicon substrate. <i>Carbon</i> , 2017, 114, 23-30.	10.3	12
35	Facile Construction of Novel 3-Dimensional Graphene/Amorphous Porous Carbon Hybrids with Enhanced Lithium Storage Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 35191-35199.	8.0	12
36	Thickness-driven first-order phase transitions in manganite ultrathin films. <i>Physical Review B</i> , 2019, 99, .	3.2	12

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37	Manipulating magnetoelectric properties by interfacial coupling in La <sub>0.3</sub> Sr <sub>0.7</sub> MnO <sub>3</sub> /Ba <sub>0.7</sub> Sr <sub>0.3</sub> TiO <sub>3</sub> superlattices. <i>Scientific Reports</i> , 2017, 7, 7693.	3.3	11
38	Reversible potassium-ion alloying storage in crystalline silicene. <i>Chemical Engineering Journal</i> , 2022, 435, 134961.	12.7	11
39	Surface double-layer structure in (110) oriented BiFeO <sub>3</sub> thin film. <i>Applied Physics Letters</i> , 2014, 105, 202901.	3.3	9
40	The Evidence of Giant Surface Flexoelectric Field in (111) Oriented BiFeO <sub>3</sub> Thin Film. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 5600-5606.	8.0	9
41	<i>In Situ</i> Observation of Thermal Proton Transport through Graphene Layers. <i>ACS Nano</i> , 2017, 11, 8970-8977.	14.6	9
42	Tuning surface conductivity and stability for high-performance Li- and Mn-rich cathode materials. <i>New Journal of Chemistry</i> , 2019, 43, 18943-18950.	2.8	9
43	Synthesis of Tb <sub>4</sub> O <sub>7</sub> complexed with reduced graphene oxide for Rhodamine-B absorption. <i>Materials Research Bulletin</i> , 2016, 77, 111-114.	5.2	8
44	Microwave Hydrothermal Synthesis of Terbium Ions Complexed with Porous Graphene for Effective Absorbent for Organic Dye. <i>Nanoscale Research Letters</i> , 2017, 12, 204.	5.7	8
45	Oxygen vacancies effects on phase diagram of epitaxial La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> thin films. <i>Science China: Physics, Mechanics and Astronomy</i> , 2017, 60, 1.	5.1	8
46	Facile synthesis of the nitrogen-doped graphene quantum dots at low temperature for cellular labeling. <i>Materials Research Bulletin</i> , 2018, 104, 83-86.	5.2	8
47	Magnetic Augment in the Nitrogen Substituted Bismuth Ferrite. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-3.	2.1	7
48	Temperature-dependent evolution of surface charge screening and polarization at ferroelectric surfaces. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	5.1	7
49	Oriented inorganic perovskite absorbers processed by colloidal-phase fumigation. <i>Science China Materials</i> , 2021, 64, 2421-2429.	6.3	7
50	Coexistence of Superconductivity and Ferromagnetism in Ni-Doped Bi <sub>4-x</sub> Ni <sub>x</sub> O <sub>4</sub> S <sub>3</sub> (0.075 ≤ x ≤ 0.150). <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 879-884.	1.8	5
51	Surface protonation and oxygen evolution activity of epitaxial La <sub>1-x</sub> Sr <sub>x</sub> CoO <sub>3</sub> thin films. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020, 63, 1.	5.1	5
52	The preparation of a three dimensional terbium doped reduced graphene oxide aerogel with photoluminescence and paramagnetic properties. <i>RSC Advances</i> , 2018, 8, 9287-9292.	3.6	2
53	Novel phenomenon of magnetism and superconductivity in Fe-doped superconductor Bi <sub>4-x</sub> Fe <sub>x</sub> O <sub>4</sub> S <sub>3</sub> (0 ≤ x ≤ 1). <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 1079-1084.	1.1	1