

# Limin Guo

## List of Publications by Year in descending order

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46  
papers

2,065  
citations

279778

23  
h-index

243610

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g-index

48  
all docs

48  
docs citations

48  
times ranked

3159  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneously Achieved Ultrastable Dielectric and Energy Storage Properties in Lead-Free Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -Based Ceramics. ACS Applied Energy Materials, 2022, 5, 1560-1570.	5.1	25
2	Grain size engineered high-performance nanograined BaTiO <sub>3</sub> -based ceramics: Experimental and numerical prediction. Journal of the American Ceramic Society, 2021, 104, 273-283.	3.8	36
3	Crystallization investigation of BaTiO <sub>3</sub> coating layer on Ni nanoparticles. Micro and Nano Letters, 2021, 16, 299-303.	1.3	0
4	Multiphase Engineered BNT-Based Ceramics with Simultaneous High Polarization and Superior Breakdown Strength for Energy Storage Applications. ACS Applied Materials & Interfaces, 2021, 13, 28484-28492.	8.0	52
5	KNN based high dielectric constant X9R ceramics with fine grain structure and energy storage ability. Journal of the American Ceramic Society, 2021, 104, 5815-5825.	3.8	22
6	Excellent energy storage performance of NaNbO <sub>3</sub> -based antiferroelectric ceramics with ultrafast charge/discharge rate. Journal of the European Ceramic Society, 2021, 41, 6465-6473.	5.7	34
7	High temperature lead-free BNT-based ceramics with stable energy storage and dielectric properties. Journal of Materials Chemistry A, 2020, 8, 683-692.	10.3	167
8	Ultra-high energy storage performance in lead-free multilayer ceramic capacitors <i>via</i> a multiscale optimization strategy. Energy and Environmental Science, 2020, 13, 4882-4890.	30.8	88
9	Controlling spin current polarization through non-collinear antiferromagnetism. Nature Communications, 2020, 11, 4671.	12.8	103
10	Coating of Crystalline BaTiO <sub>3</sub> Layer on Ni Nanoparticles for Multilayer Ceramic Capacitor Electrode. Advanced Engineering Materials, 2020, 22, 1901483.	3.5	2
11	Piezotronic Effect Enhanced Plasmonic Photocatalysis by AuNPs/BaTiO <sub>3</sub> Heterostructures. Advanced Functional Materials, 2019, 29, 1808737.	14.9	157
12	Enhanced photocatalytic H <sub>2</sub> evolution by plasmonic and piezotronic effects based on periodic Al/BaTiO <sub>3</sub> heterostructures. Nano Energy, 2019, 62, 513-520.	16.0	127
13	Piezotronics enhanced photocatalytic activities of Ag-BaTiO <sub>3</sub> plasmonic photocatalysts. Journal of Alloys and Compounds, 2019, 801, 483-488.	5.5	73
14	Photoelectrochemical CO <sub>2</sub> reduction by Cu <sub>2</sub> O/Cu <sub>2</sub> S hybrid catalyst immobilized in TiO <sub>2</sub> nanocavity arrays. Journal of Materials Science, 2019, 54, 10379-10388.	3.7	16
15	High-Sensitivity Dielectric Resonator-Based Waveguide Sensor for Crack Detection on Metallic Surfaces. IEEE Sensors Journal, 2019, 19, 5470-5474.	4.7	25
16	Large-scale uniform fabrication and morphology control of ultrafine perovskite nanocrystals. Micro and Nano Letters, 2019, 14, 289-292.	1.3	0
17	Phase and Defect Engineering of MoS <sub>2</sub> Stabilized in Periodic TiO <sub>2</sub> Nanoporous Film for Enhanced Solar Water Splitting. Advanced Optical Materials, 2019, 7, 1801403.	7.3	25
18	Photocatalytic glycerol oxidation on Au <sub>x</sub> Cu@CuS@TiO <sub>2</sub> plasmonic heterostructures. Journal of Materials Chemistry A, 2018, 6, 22005-22012.	10.3	41

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19	MoS <sub>2</sub> /TiO <sub>2</sub> heterostructures as nonmetal plasmonic photocatalysts for highly efficient hydrogen evolution. <i>Energy and Environmental Science</i> , 2018, 11, 106-114.	30.8	326
20	Zn-Air Batteries: N, P-doped CoS <sub>2</sub> Embedded in TiO <sub>2</sub> Nanoporous Films for Zn-Air Batteries ( <i>Adv. Funct. Mater.</i> )	14.9	90
21	N, P-doped CoS <sub>2</sub> Embedded in TiO <sub>2</sub> Nanoporous Films for Zn-Air Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1804540.	14.9	93
22	Enhanced photoluminescence properties of SrTiO <sub>3</sub> :Pr <sup>3+</sup> nanocrystals by the TEG-sol method. <i>APL Materials</i> , 2018, 6, 086102.	5.1	6
23	Green photoluminescence in Tb <sup>3+</sup> -doped ZrO <sub>2</sub> nanotube arrays. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 7253-7258.	2.2	9
24	Strained W(S <sub>2</sub> ) <sub>2</sub> Nanoporous Films for Highly Efficient Hydrogen Evolution. <i>ACS Energy Letters</i> , 2017, 2, 1315-1320.	17.4	64
25	Periodically Patterned Au-TiO <sub>2</sub> Heterostructures for Photoelectrochemical Sensor. <i>ACS Sensors</i> , 2017, 2, 621-625.	7.8	86
26	A freestanding NiS porous film as a binder-free electrode for Mg-ion batteries. <i>Chemical Communications</i> , 2017, 53, 7608-7611.	4.1	54
27	Overall Water Splitting with Room-Temperature Synthesized NiFe Oxyfluoride Nanoporous Films. <i>ACS Catalysis</i> , 2017, 7, 8406-8412.	11.2	91
28	Enhanced Photoelectrocatalytic Reduction of Oxygen Using Au@TiO <sub>2</sub> Plasmonic Film. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 34970-34977.	8.0	52
29	Sol-gel based synthesis of ultrafine tetragonal BaTiO <sub>3</sub> . <i>Journal of Sol-Gel Science and Technology</i> , 2013, 67, 182-187.	2.4	7
30	Low Temperature Sintering and Enhanced Piezoelectricity of Lead-Free (Na <sub>0.52</sub> K <sub>0.4425</sub> Li <sub>0.0375</sub> ) <sub>2</sub> Ceramics Prepared from Nano-Powders. <i>Journal of the American Ceramic Society</i> , 2013, 96, 3470-3475.	3.8	17
31	Photoelectrochemical properties of TiO <sub>2</sub> /SrTiO <sub>3</sub> combined nanotube arrays. <i>Ceramics International</i> , 2013, 39, S633-S636.	4.8	16
32	Effect of Yttrium addition on microstructure and mechanical properties of Mg-Zn-Ca alloy. <i>Materials Research Innovations</i> , 2013, 17, 33-38.	2.3	12
33	Template-based synthesis and magnetic properties of Mn-Zn ferrite nanotube and nanowire arrays. <i>Journal of Applied Physics</i> , 2012, 111, 026104.	2.5	6
34	Synthesis and photoluminescence properties of Er <sup>3+</sup> -doped BaZrO <sub>3</sub> nanotube arrays. <i>Journal of Alloys and Compounds</i> , 2012, 530, 22-25.	5.5	13
35	Magnetic properties of TiO <sub>2</sub> /Ni hybrid nanotube arrays by electrophoretic deposition. <i>Journal of Alloys and Compounds</i> , 2012, 534, 6-8.	5.5	10
36	The photoluminescence properties of Er <sup>3+</sup> -doped ZrO <sub>2</sub> nanotube arrays prepared by anodization. <i>Materials Research Bulletin</i> , 2012, 47, 3916-3919.	5.2	11

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37	Magnetic and electrical properties of PbTiO <sub>3</sub> /Mn-Zn ferrite multiphase nanotube arrays by electro-deposition. Journal of Applied Physics, 2012, 112, 104310.	2.5	4
38	Fabrication and Properties of High Curie Temperature BiZn <sub>1/2</sub> Ti <sub>1/2</sub> O <sub>3</sub> Piezoelectric Films by a Sol-Gel Process. Journal of the American Ceramic Society, 2012, 95, 473-475.		
39	Investigation on high temperature compression behaviour of hydrogenated Ti6Al4V alloy. Materials Science and Technology, 2011, 27, 1547-1550.	1.6	4
40	Synthesis and photoluminescence of CdS QDs in ZrO <sub>2</sub> nanotubes by sequential chemical bath deposition. Journal Physics D: Applied Physics, 2011, 44, 165403.	2.8	4
41	Preparation and Photoluminescence Properties of Eu <sup>3+</sup> -Doped BaZrO <sub>3</sub> Nanotube Arrays. Journal of the American Ceramic Society, 2011, 94, 3175-3177.	3.8	15
42	Effect of alkalinity on the hydrothermal synthesis of Li <sub>2</sub> ZrO <sub>3</sub> nanotube arrays. Journal of Materials Science, 2011, 46, 6960-6963.	3.7	9
43	Synthesis and CO <sub>2</sub> capture property of high aspect-ratio Li <sub>2</sub> ZrO <sub>3</sub> nanotubes arrays. Applied Surface Science, 2011, 257, 8106-8109.	6.1	19
44	Synthesis and growth mechanism of zirconia nanotubes by anodization in electrolyte containing Cl <sup>-</sup> . Journal of Solid State Electrochemistry, 2009, 13, 1321-1326.	2.5	25
45	Structure and Bioactivity of Zirconia Nanotube Arrays Fabricated by Anodization. International Journal of Applied Ceramic Technology, 2009, 6, 636-641.	2.1	42
46	Fabrication of high aspect ratio zirconia nanotube arrays by anodization of zirconium foils. Materials Letters, 2008, 62, 4428-4430.	2.6	66