

# Min Lai

## List of Publications by Year in descending order

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41  
papers

1,540  
citations

331670

21  
h-index

315739

38  
g-index

41  
all docs

41  
docs citations

41  
times ranked

2690  
citing authors

#	ARTICLE	IF	CITATIONS
1	PVA/Tween 20 thin film based fiber optic humidity sensor with enhanced sensing performance. Applied Optics, 2022, 61, 1834-1840.	1.8	2
2	Fiber optic evanescent wave humidity sensor based on SiO <sub>2</sub> /TiO <sub>2</sub> bilayer films. Applied Optics, 2021, 60, 2158.	1.8	11
3	Bi5O7I/g-C3N4 Heterostructures With Enhanced Visible-Light Photocatalytic Performance for Degradation of Tetracycline Hydrochloride. Frontiers in Chemistry, 2021, 9, 781991.	3.6	8
4	Realization of a Buckled Antimonene Monolayer on Ag(111) via Surface Engineering. Journal of Physical Chemistry Letters, 2020, 11, 8976-8982.	4.6	23
5	Synthesis and photocatalytic properties of electrodeposited bismuth oxyiodide on rutile/anatase TiO <sub>2</sub> heterostructure. Materials Research Express, 2019, 6, 055905.	1.6	6
6	Polysulfide-driven low charge overpotential for aprotic lithium-oxygen batteries. Journal of Materials Chemistry A, 2019, 7, 8777-8784.	10.3	3
7	Promoting defective-Li <sub>2</sub> O formation via Na doping for Li-O <sub>2</sub> batteries with low charge overpotentials. Journal of Materials Chemistry A, 2019, 7, 10389-10396.	10.3	17
8	Nondestructive hole doping enabled photocurrent enhancement of layered tungsten diselenide. 2D Materials, 2019, 6, 024002.	4.4	7
9	Black phosphorus inverter devices enabled by in-situ aluminum surface modification. Nano Research, 2019, 12, 531-536.	10.4	33
10	Surface decoration of BiOCl with BiVO <sub>4</sub> particles towards enhanced visible-light-driven photocatalytic performance. Materials Research Express, 2019, 6, 045512.	1.6	4
11	HIERARCHICAL HETEROSTRUCTURE OF RUTILE TiO <sub>2</sub> NANOFLOWER ARRAY ON ANATASE TiO <sub>2</sub> SHEET WITH ENHANCED PHOTOCATALYTIC PERFORMANCE. Surface Review and Letters, 2019, 26, 1950040.	1.1	5
12	Ultra-smooth TiO <sub>2</sub> thin film based optical humidity sensor with a fast response and recovery. Applied Optics, 2019, 58, 9740.	1.8	3
13	Two-dimensional black phosphorus: its fabrication, functionalization and applications. Nanoscale, 2018, 10, 21575-21603.	5.6	73
14	Multiple-band enhanced light absorption of monolayer graphene with critical coupling to guided mode resonance. AIP Advances, 2018, 8, .	1.3	3
15	Synthesis and photocatalytic properties of ultra-smooth TiO <sub>2</sub> thin films with superhydrophilicity. International Journal for Innovation Education and Research, 2018, 6, 7-16.	0.1	1
16	Synthesis of porous CoMoO <sub>4</sub> nanorods as a bifunctional cathode catalyst for a Li-O <sub>2</sub> battery and superior anode for a Li-ion battery. Nanoscale, 2017, 9, 3898-3904.	5.6	60
17	RGO/TiO <sub>2</sub> nanosheets immobilized on magnetically actuated artificial cilia film: a new mode for efficient photocatalytic reaction. RSC Advances, 2017, 7, 10517-10523.	3.6	17
18	Hydrothermal synthesis of BiVO <sub>4</sub> /Bi <sub>2</sub> MoO <sub>6</sub> composites with enhanced photocatalytic activity. International Journal of Modern Physics B, 2017, 31, 1744059.	2.0	4

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19	Recent advances in understanding of the mechanism and control of $\text{Li}_2\text{O}_2$ formation in aprotic $\text{Li}^+\text{O}_2$ batteries. <i>Chemical Society Reviews</i> , 2017, 46, 6046-6072.	38.1	314
20	$\text{Co}_3\text{O}_4$ functionalized porous carbon nanotube oxygen-cathodes to promote $\text{Li}_2\text{O}_2$ surface growth for improved cycling stability of $\text{Li}^+\text{O}_2$ batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25501-25508.	10.3	31
21	Formulae for secondary electron yield from insulators and semiconductors. <i>Nuclear Science and Techniques/Hewuli</i> , 2017, 28, 1.	3.4	8
22	Monodispersed Ru Nanoparticles Functionalized Graphene Nanosheets as Efficient Cathode Catalysts for $\text{O}_2$ -Assisted $\text{CO}_2$ Battery. <i>ACS Omega</i> , 2017, 2, 9280-9286.	3.5	63
23	Facile synthesis of hierarchical porous $\text{Co}_3\text{O}_4$ nanoboxes as efficient cathode catalysts for $\text{Li}^+\text{O}_2$ batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6350-6356.	10.3	75
24	Facile synthesis of ultra-smooth and transparent $\text{TiO}_2$ thin films with superhydrophilicity. <i>Surface and Coatings Technology</i> , 2015, 265, 78-82.	4.8	28
25	Synthesis of hierarchical porous $\text{MnO}_2$ nanoboxes as an efficient catalyst for rechargeable $\text{Li}^+\text{O}_2$ batteries. <i>Nanoscale</i> , 2015, 7, 14881-14888.	5.6	82
26	Reversible Tuning of Interfacial and Intramolecular Charge Transfer in Individual MnPc Molecules. <i>Nano Letters</i> , 2015, 15, 8091-8098.	9.1	12
27	Palladium nanoparticle functionalized graphene nanosheets for $\text{Li}^+\text{O}_2$ batteries: enhanced performance by tailoring the morphology of the discharge product. <i>RSC Advances</i> , 2015, 5, 73451-73456.	3.6	35
28	Formula for the total stopping power from 2 keV to 10 keV for a metal. <i>Journal of the Korean Physical Society</i> , 2013, 62, 127-131.	0.7	3
29	Hybrid tin oxide-SWNT nanostructures based gas sensor. <i>Electrochimica Acta</i> , 2013, 92, 484-490.	5.2	57
30	Effect of Fabrication Parameters on Localized Surface Plasmon Resonance Property of Gold Nanorod. <i>Advanced Materials Research</i> , 2013, 756-759, 124-127.	0.3	0
31	Templated electrodeposition of single-crystal ZnO nanorods. , 2011, , .		0
32	Growth Mechanism of Amorphous Selenium Nanoparticles Synthesized by <i>Shewanella</i> sp. HN-41. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 696-700.	1.3	88
33	Synthesis of Sn doped CuO nanotubes from core-shell Cu/SnO <sub>2</sub> nanowires by the Kirkendall effect. <i>Nanotechnology</i> , 2010, 21, 295601.	2.6	24
34	Electrochemical synthesis of $\text{Fe}_x\text{Ni}_{1-x}$ nanostructures for environmental remediation. <i>Chemical Engineering Journal</i> , 2009, 151, 66-72.	12.7	29
35	Size-controlled electrochemical synthesis and properties of $\text{SnO}_2$ nanotubes. <i>Nanotechnology</i> , 2009, 20, 185602.	2.6	79
36	Templated electrosynthesis of nanomaterials and porous structures. <i>Journal of Colloid and Interface Science</i> , 2008, 323, 203-212.	9.4	101

#	ARTICLE	IF	CITATIONS
37	Profiting from nature: macroporous copper with superior mechanical properties. Chemical Communications, 2007, , 3547.	4.1	53
38	Preparation of tin dioxide nanotubes via electrosynthesis in a template. Journal of Materials Chemistry, 2006, 16, 2843-2845.	6.7	52
39	Templated Electrosynthesis of Zinc Oxide Nanorods. Chemistry of Materials, 2006, 18, 2233-2237.	6.7	101
40	Novel Coassembly Route to Cu <sup>+</sup> SiO <sub>2</sub> MCM-41-like Mesoporous Materials. Langmuir, 2004, 20, 2879-2882.	3.5	23
41	Template-Directed Electrodeposition of SnO <sub>2</sub> Nanotubes and 1D Zn/SnO <sub>2</sub> Core-Shell Nanostructures. Materials Science Forum, 0, 745-746, 275-280.	0.3	2