

Huilin Li

List of Publications by Year in descending order

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36
papers

1,688
citations

331259

21
h-index

344852

36
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36
all docs

36
docs citations

36
times ranked

2388
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong Electronic Interaction in Dual-Cation-Incorporated NiSe ₂ Nanosheets with Lattice Distortion for Highly Efficient Overall Water Splitting. <i>Advanced Materials</i> , 2018, 30, e1802121.	11.1	361
2	Mo doped Ni ₂ P nanowire arrays: an efficient electrocatalyst for the hydrogen evolution reaction with enhanced activity at all pH values. <i>Nanoscale</i> , 2017, 9, 16674-16679.	2.8	179
3	Periodic Porous Alloyed Au-Ag Nanosphere Arrays and Their Highly Sensitive SERS Performance with Good Reproducibility and High Density of Hotspots. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 9792-9801.	4.0	138
4	Fully photon modulated heterostructure for neuromorphic computing. <i>Nano Energy</i> , 2019, 65, 104000.	8.2	110
5	A self-powered artificial retina perception system for image preprocessing based on photovoltaic devices and memristive arrays. <i>Nano Energy</i> , 2020, 78, 105246.	8.2	91
6	Ferroelectric polymers for non-volatile memory devices: a review. <i>Polymer International</i> , 2020, 69, 533-544.	1.6	62
7	Photoferroelectric perovskite solar cells: Principles, advances and insights. <i>Nano Today</i> , 2021, 37, 101062.	6.2	54
8	Rapid and Efficient Self-Assembly of Au@ZnO Core-Shell Nanoparticle Arrays with an Enhanced and Tunable Plasmonic Absorption for Photoelectrochemical Hydrogen Generation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31897-31906.	4.0	53
9	Multifunctional CNT-TiO ₂ additives in spiro-OMeTAD layer for highly efficient and stable perovskite solar cells. <i>EcoMat</i> , 2021, 3, e12099.	6.8	53
10	Ru-Doping Enhanced Electrocatalysis of Metal-Organic Framework Nanosheets toward Overall Water Splitting. <i>Chemistry - A European Journal</i> , 2020, 26, 17091-17096.	1.7	51
11	Ultrasensitive and Stable Au Dimer-Based Colorimetric Sensors Using the Dynamically Tunable Gap-Dependent Plasmonic Coupling Optical Properties. <i>Advanced Functional Materials</i> , 2018, 28, 1707392.	7.8	48
12	Controlled synthesis of sponge-like porous Au-Ag alloy nanocubes for surface-enhanced Raman scattering properties. <i>Journal of Materials Chemistry C</i> , 2017, 5, 11039-11045.	2.7	45
13	Functionalized periodic Au@MOFs nanoparticle arrays as biosensors for dual-channel detection through the complementary effect of SPR and diffraction peaks. <i>Nano Research</i> , 2017, 10, 2257-2270.	5.8	44
14	Near-Infrared-Irradiation-Mediated Synaptic Behavior from Tunable Charge-Trapping Dynamics. <i>Advanced Electronic Materials</i> , 2020, 6, 1900765.	2.6	37
15	Toward high-efficiency stable 2D/3D perovskite solar cells by incorporating multifunctional CNT-TiO ₂ additives into 3D perovskite layer. <i>EcoMat</i> , 2022, 4, e12166.	6.8	31
16	Spiro-OMeTAD:Sb ₂ S ₃ Hole Transport Layer with Triple Functions of Overcoming Lithium Salt Aggregation, Long-Term High Conductivity, and Defect Passivation for Perovskite Solar Cells. <i>Solar Rrl</i> , 2021, 5, 2100622.	3.1	30
17	Tannic Acid-Mediated <i>In Situ</i> Controlled Assembly of NiFe Alloy Nanoparticles on Pristine Graphene as a Superior Oxygen Evolution Catalyst. <i>ACS Applied Energy Materials</i> , 2020, 3, 3966-3977.	2.5	29
18	Strategies for high-performance perovskite solar cells from materials, film engineering to carrier dynamics and photon management. <i>Informa-Materially</i> , 2022, 4, .	8.5	27

#	ARTICLE	IF	CITATIONS
19	Pristineâ€Grapheneâ€Supported Nitrogenâ€Doped Carbon Selfâ€Assembled from Glucaminiumâ€Based Ionic Liquids as Metalâ€Free Catalyst for Oxygen Evolution. <i>ChemSusChem</i> , 2019, 12, 5041-5050.	3.6	25
20	Graphitic carbon nitride nanosheets for solution processed non-volatile memory devices. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10203-10210.	2.7	24
21	Surface enhanced Raman scattering properties of dynamically tunable nanogaps between Au nanoparticles self-assembled on hydrogel microspheres controlled by pH. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 467-475.	5.0	23
22	Periodic nanostructured Au arrays on an Si electrode for high-performance electrochemical detection of hydrogen peroxide without an enzyme. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9864-9871.	2.7	21
23	Perovskite Solar Cells Employing a PbSO ₄ (PbO) ₄ Quantum Dot-Doped Spiro-OMeTAD Hole Transport Layer with an Efficiency over 22%. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 2989-2999.	4.0	19
24	Physical process-aided fabrication of periodic Auâ€M (M = Ag, Cu, Agâ€Cu) alloyed nanoparticle arrays with tunable localized surface plasmon resonance and diffraction peaks. <i>RSC Advances</i> , 2018, 8, 9134-9140.	1.7	18
25	A solution processed metalâ€oxo cluster for rewritable resistive memory devices. <i>Journal of Materials Chemistry C</i> , 2019, 7, 843-852.	2.7	18
26	Crystal structure and properties of K _{0.5} Na _{0.5} NbO ₃ â€Bi _{0.5} Na _{0.5} TiO ₃ â€LiSbO ₃ lead-free piezoelectric ceramics. <i>Journal of Alloys and Compounds</i> , 2010, 506, 407-411.	2.8	16
27	Effects of the incorporation amounts of CdS and Cd(SCN ₂ H ₄) ₂ Cl ₂ on the performance of perovskite solar cells. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2022, 29, 283-291.	2.4	16
28	Bionic PDMS film with hybrid superhydrophilic/superhydrophobic arrays for water harvest. <i>Surface Innovations</i> , 2018, 6, 141-149.	1.4	15
29	Defect Passivation with Metal Cations toward Efficient and Stable Perovskite Solar Cells Exceeding 22.7% Efficiency. <i>ACS Applied Energy Materials</i> , 2021, 4, 11144-11150.	2.5	9
30	Effects of NaSbO ₃ on phase structure and electrical properties of K _{0.5} Na _{0.5} NbO ₃ â€LiTaO ₃ â€NaSbO ₃ piezoelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 855-860.	1.1	8
31	Gold nanoshell arrays-based visualized sensors of pH: Facile fabrication and high diffraction intensity. <i>Journal of Materials Research</i> , 2017, 32, 717-725.	1.2	8
32	Optical sensing properties of Au nanoparticle/hydrogel composite microbeads using droplet microfluidics. <i>Nanotechnology</i> , 2017, 28, 405502.	1.3	8
33	Effects of NaTaO ₃ additions on structure and electrical properties of K _{0.5} Na _{0.5} NbO ₃ â€Bi _{0.5} Na _{0.5} TiO ₃ â€LiSbO ₃ piezoelectric ceramics. <i>Ceramics International</i> , 2011, 37, 1959-1965.	2.3	7
34	Effect of (CH ₃) ₂ Sn(COOH) ₂ Electron Transport Layer Thickness on Device Performance in n-i-p Planar Heterojunction Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2021, 125, 7552-7559.	1.5	7
35	Highly efficient production of ordered wafer-scale gold nanoparticle arrays film by simple heat treatment based on colloidal monolayer. <i>International Journal of Modern Physics B</i> , 2018, 32, 1850192.	1.0	2
36	Artificial Synapses: Nearâ€Infraredâ€Irradiationâ€Mediated Synaptic Behavior from Tunable Chargeâ€Trapping Dynamics (<i>Adv. Electron. Mater.</i> 2/2020). <i>Advanced Electronic Materials</i> , 2020, 6, 2070007.	2.6	1