Li Ji

List of Publications by Year in descending order

52 papers	1,961 citations	304743 22 h-index	254184 43 g-index
53 all docs	53 docs citations	53 times ranked	2984 citing authors

#	Article	IF	Citations
1	Integrated In-Sensor Computing Optoelectronic Device for Environment-Adaptable Artificial Retina Perception Application. Nano Letters, 2022, 22, 81-89.	9.1	104
2	Organic Optoelectronic Synaptic Devices for Energy-Efficient Neuromorphic Computing. IEEE Electron Device Letters, 2022, 43, 1089-1092.	3.9	14
3	Ultralow Power Wearable Organic Ferroelectric Device for Optoelectronic Neuromorphic Computing. Nano Letters, 2022, 22, 6435-6443.	9.1	32
4	Large-Scale Multilayer MoS₂ Nanosheets Grown by Atomic Layer Deposition for Sensitive Photodetectors. ACS Applied Nano Materials, 2022, 5, 10431-10440.	5.0	5
5	An integrated strategy towards the facile synthesis of core-shell SiC-derived carbon@N-doped carbon for high-performance supercapacitors. Journal of Energy Chemistry, 2021, 56, 512-521.	12.9	20
6	Scalable, highly stable Si-based metal-insulator-semiconductor photoanodes for water oxidation fabricated using thin-film reactions and electrodeposition. Nature Communications, 2021, 12, 3982.	12.8	23
7	Growth Mechanisms and Morphology Engineering of Atomic Layer-Deposited WS₂. ACS Applied Materials & Interfaces, 2021, 13, 43115-43122.	8.0	12
8	Molten salt synthesis of porous carbon and its application in supercapacitors: A review. Journal of Energy Chemistry, 2021, 61, 622-640.	12.9	94
9	Recent progress on post-synthetic treatments of photoelectrodes for photoelectrochemical water splitting. Journal of Materials Chemistry A, 2021, 9, 26628-26649.	10.3	14
10	Wafer-Scale Synthesis of WS ₂ Films with In Situ Controllable p-Type Doping by Atomic Layer Deposition. Research, 2021, 2021, 9862483.	5.7	10
11	Continuous electrodeposition of silicon and germanium microâ,nanowires from their oxides precursors in molten salt. Journal of Energy Chemistry, 2020, 44, 147-153.	12.9	23
12	Two-dimensional materials as photoelectrodes in water reduction devices for energy applications. , 2020, , 165-179.		0
13	Electrosynthesis of Ti3AlC2-Derived Porous Carbon in Molten Salt. Jom, 2020, 72, 3887-3894.	1.9	5
14	In Situ Formation of Bismuthâ€Based Perovskite Heterostructures for Highâ€Performance Cocatalystâ€Free Photocatalytic Hydrogen Evolution. Advanced Functional Materials, 2020, 30, 2006919.	14.9	58
15	Recent progress in surface modification and interfacial engineering for high-performance perovskite light-emitting diodes. Nano Energy, 2020, 73, 104752.	16.0	58
16	Molten Salt Electrosynthesis of Cr₂AlC-Derived Porous Carbon for Supercapacitors. ACS Sustainable Chemistry and Engineering, 2019, 7, 12938-12947.	6.7	11
17	Electrochemical Production of Si without Generation of CO₂ Based on the Use of a Dimensionally Stable Anode in Molten CaCl₂. Angewandte Chemie, 2019, 131, 16369-16374.	2.0	3
18	Electrochemical Production of Si without Generation of CO₂ Based on the Use of a Dimensionally Stable Anode in Molten CaCl₂. Angewandte Chemie - International Edition, 2019, 58, 16223-16228.	13.8	23

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19	Peak splitting and locking behavior arising from Fano interference between localized surface plasmons and cavity modes. Physical Review B, 2019, 99, .	3.2	6
20	Electrodeposition of crystalline silicon films from silicon dioxide for low-cost photovoltaic applications. Nature Communications, 2019, 10, 5772.	12.8	70
21	High-Performance Photodetectors Based on Solution-Processed Epitaxial Grown Hybrid Halide Perovskites. Nano Letters, 2018, 18, 994-1000.	9.1	105
22	Production of low-cost silicon films via molten salt electrodeposition. , 2018, , .		0
23	Influence of the Substrate to the LSP Coupling Wavelength and Strength. Nanoscale Research Letters, 2018, 13, 280.	5.7	13
24	Ultra-stable 2D layered methylammonium cadmium trihalide perovskite photoelectrodes. Journal of Materials Chemistry C, 2018, 6, 11552-11560.	5.5	20
25	Asymmetric light reflectance by Fano resonance between Fresnel reflection and localized surface plasmons. Applied Physics Express, 2018, 11, 092001.	2.4	4
26	Crystalline SrZrO3 deposition on Ge (001) by atomic layer deposition for high-k dielectric applications. Journal of Applied Physics, 2018, 124, .	2.5	9
27	Designed synthesis of SiC nanowire-derived carbon with dual-scale nanostructures for supercapacitor applications. Journal of Materials Chemistry A, 2018, 6, 12724-12732.	10.3	49
28	A review on morphology engineering for highly efficient and stable hybrid perovskite solar cells. Journal of Materials Chemistry A, 2018, 6, 12842-12875.	10.3	168
29	Toward Costâ€Effective Manufacturing of Silicon Solar Cells: Electrodeposition of Highâ€Quality Si Films in a CaCl 2 â€based Molten Salt. Angewandte Chemie, 2017, 129, 15274-15278.	2.0	12
30	Toward Costâ€Effective Manufacturing of Silicon Solar Cells: Electrodeposition of Highâ€Quality Si Films in a CaCl₂â€based Molten Salt. Angewandte Chemie - International Edition, 2017, 56, 15078-15082.	13.8	66
31	Facile electrosynthesis of silicon carbide nanowires from silica/carbon precursors in molten salt. Scientific Reports, 2017, 7, 9978.	3.3	32
32	Electrochemical Formation of a pâ€“n Junction on Thin Film Silicon Deposited in Molten Salt. Journal of the American Chemical Society, 2017, 139, 16060-16063.	13.7	56
33	Localized dielectric breakdown and antireflection coating in metalâ€“oxideâ€“semiconductor photoelectrodes. Nature Materials, 2017, 16, 127-131.	27.5	60
34	Chemical-sensitive graphene modulator with a memory effect for internet-of-things applications. Microsystems and Nanoengineering, 2016, 2, 16018.	7.0	36
35	Photoelectrochemical characterization of p-type CH<inf>3</inf>NH<inf>3</inf>PM<inf>3</inf> perovskite. , 2016, , .		0
36	Optimization of PbI₂/MAPbI₃ Perovskite Composites by Scanning Electrochemical Microscopy. Journal of Physical Chemistry C, 2016, 120, 19890-19895.	3.1	50

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37	Optimization of Lead-free Organicâ€“inorganic Tin(II) Halide Perovskite Semiconductors by Scanning Electrochemical Microscopy. Electrochimica Acta, 2016, 220, 205-210.	5.2	47
38	Subwavelength nanostructures integrated with polymerâ€packaged iiiâ€“v solar cells for omnidirectional, broadâ€spectrum improvement of photovoltaic performance. Progress in Photovoltaics: Research and Applications, 2015, 23, 1398-1405.	8.1	16
39	Integration of subwavelength optical nanostructures for improved antireflection performance of mechanically flexible GaAs solar cells fabricated by epitaxial lift-off. Solar Energy Materials and Solar Cells, 2015, 143, 567-572.	6.2	7
40	A Liquid Junction Photoelectrochemical Solar Cell Based on p-Type MeNH₃PbI₃ Perovskite with 1.05 V Open-Circuit Photovoltage. Journal of the American Chemical Society, 2015, 137, 14758-14764.	13.7	52
41	A silicon-based photocathode for water reduction with an epitaxial SrTiO3 protection layer and a nanostructured catalyst. Nature Nanotechnology, 2015, 10, 84-90.	31.5	353
42	Integrated optical nanostructures for wide-angle antireflection and light trapping in III/V solar cells. , 2014, , .		0
43	Minimized open-circuit voltage reduction in GaAs/InGaAs quantum well solar cells with bandgap-engineered graded quantum well depths. Applied Physics Letters, 2014, 105, 123906.	3.3	4
44	Quantum state engineering with ultra-short-period (AlN)m/(GaN)nsuperlattices for narrowband deep-ultraviolet detection. Nanoscale, 2014, 6, 14733-14739.	5.6	16
45	Resistive switching of SiOX with one diode-one resistor nanopillar architecture fabricated via nanosphere lithography. , 2014, , .		3
46	The voltage-triggered SET mechanism and self-compliance characteristics in intrinsic unipolar SiO<inf>x</inf>-based resistive switching memory. , 2014, , .		3
47	Integrated One Diodeâ€“One Resistor Architecture in Nanopillar SiO_x Resistive Switching Memory by Nanosphere Lithography. Nano Letters, 2014, 14, 813-818.	9.1	97
48	Oxygen-induced bi-modal failure phenomenon in SiOx-based resistive switching memory. Applied Physics Letters, 2013, 103, 033521.	3.3	30
49	Electrochemical Monitoring of TiO₂ Atomic Layer Deposition by Chronoamperometry and Scanning Electrochemical Microscopy. Chemistry of Materials, 2013, 25, 4165-4172.	6.7	24
50	Investigation of edge- and bulk-related resistive switching behaviors and backward-scan effects in SiO_x-based resistive switching memory. Applied Physics Letters, 2013, 103, 193508.	3.3	26
51	Large-area self-ordered aluminium sub-micrometre dot arrays prepared by electropolishing on polycrystalline aluminium at constant current. Corrosion Science, 2011, 53, 2914-2917.	6.6	10
52	Porous Alumina Films with Width-Controllable Alumina Stripes. Nanoscale Research Letters, 2010, 5, 1977-1981.	5.7	8