

# Li Na Quan

## List of Publications by Citations

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57  
papers

12,533  
citations

35  
h-index

59  
g-index

59  
ext. papers

14,877  
ext. citations

18.9  
avg, IF

6.3  
L-index

#	Paper	IF	Citations
57	Perovskite light-emitting diodes with external quantum efficiency exceeding 20 per cent. <i>Nature</i> , <b>2018</b> , 562, 245-248	50.4	1802
56	Efficient and stable solution-processed planar perovskite solar cells via contact passivation. <i>Science</i> , <b>2017</b> , 355, 722-726	33.3	1667
55	Perovskite energy funnels for efficient light-emitting diodes. <i>Nature Nanotechnology</i> , <b>2016</b> , 11, 872-877	28.7	1484
54	Ligand-Stabilized Reduced-Dimensionality Perovskites. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 2649-55	16.4	889
53	Perovskite-fullerene hybrid materials suppress hysteresis in planar diodes. <i>Nature Communications</i> , <b>2015</b> , 6, 7081	17.4	815
52	Highly Efficient Perovskite-Quantum-Dot Light-Emitting Diodes by Surface Engineering. <i>Advanced Materials</i> , <b>2016</b> , 28, 8718-8725	24	700
51	Highly Oriented Low-Dimensional Tin Halide Perovskites with Enhanced Stability and Photovoltaic Performance. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 6693-6699	16.4	558
50	Perovskites for Next-Generation Optical Sources. <i>Chemical Reviews</i> , <b>2019</b> , 119, 7444-7477	68.1	391
49	Color-stable highly luminescent sky-blue perovskite light-emitting diodes. <i>Nature Communications</i> , <b>2018</b> , 9, 3541	17.4	370
48	Tailoring the Energy Landscape in Quasi-2D Halide Perovskites Enables Efficient Green-Light Emission. <i>Nano Letters</i> , <b>2017</b> , 17, 3701-3709	11.5	309
47	Perovskites for Light Emission. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801996	24	270
46	Highly Emissive Green Perovskite Nanocrystals in a Solid State Crystalline Matrix. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605945	24	252
45	Plasmonic Solar Cells: From Rational Design to Mechanism Overview. <i>Chemical Reviews</i> , <b>2016</b> , 116, 14982-15034	68.1	350
44	State of the Art and Prospects for Halide Perovskite Nanocrystals. <i>ACS Nano</i> , <b>2021</b> , 15, 10775-10981	16.7	222
43	Perovskite seeding growth of formamidinium-lead-iodide-based perovskites for efficient and stable solar cells. <i>Nature Communications</i> , <b>2018</b> , 9, 1607	17.4	218
42	Bright colloidal quantum dot light-emitting diodes enabled by efficient chlorination. <i>Nature Photonics</i> , <b>2018</b> , 12, 159-164	33.9	206
41	Spin control in reduced-dimensional chiral perovskites. <i>Nature Photonics</i> , <b>2018</b> , 12, 528-533	33.9	205

40	2D matrix engineering for homogeneous quantum dot coupling in photovoltaic solids. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 456-462	28.7	196
39	Highly Efficient Visible Colloidal Lead-Halide Perovskite Nanocrystal Light-Emitting Diodes. <i>Nano Letters</i> , <b>2018</b> , 18, 3157-3164	11.5	160
38	Pure Cubic-Phase Hybrid Iodobismuthates AgBi <sub>2</sub> I <sub>7</sub> for Thin-Film Photovoltaics. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 9586-90	16.4	156
37	2D Metal Oxyhalide-Derived Catalysts for Efficient CO Electroreduction. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802858	24	123
36	Chloride Passivation of ZnO Electrodes Improves Charge Extraction in Colloidal Quantum Dot Photovoltaics. <i>Advanced Materials</i> , <b>2017</b> , 29, 1702350	24	97
35	Nanowires for Photonics. <i>Chemical Reviews</i> , <b>2019</b> , 119, 9153-9169	68.1	95
34	Efficient near-infrared light-emitting diodes based on quantum dots in layered perovskite. <i>Nature Photonics</i> , <b>2020</b> , 14, 227-233	33.9	91
33	Ultrafast narrowband exciton routing within layered perovskite nanoplatelets enables low-loss luminescent solar concentrators. <i>Nature Energy</i> , <b>2019</b> , 4, 197-205	62.3	87
32	Edge stabilization in reduced-dimensional perovskites. <i>Nature Communications</i> , <b>2020</b> , 11, 170	17.4	79
31	A two-step route to planar perovskite cells exhibiting reduced hysteresis. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 143902	3.4	74
30	Amide-Catalyzed Phase-Selective Crystallization Reduces Defect Density in Wide-Bandgap Perovskites. <i>Advanced Materials</i> , <b>2018</b> , 30, e1706275	24	62
29	Lead-free Cesium Europium Halide Perovskite Nanocrystals. <i>Nano Letters</i> , <b>2020</b> , 20, 3734-3739	11.5	54
28	Structural and spectral dynamics of single-crystalline Ruddlesden-Popper phase halide perovskite blue light-emitting diodes. <i>Science Advances</i> , <b>2020</b> , 6, eaay4045	14.3	53
27	Spectrally Resolved Ultrafast Exciton Transfer in Mixed Perovskite Quantum Wells. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 419-426	6.4	53
26	Quantitative imaging of anion exchange kinetics in halide perovskites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 12648-12653	11.5	52
25	Soft-template-carbonization route to highly textured mesoporous carbon-TiO <sub>2</sub> inverse opals for efficient photocatalytic and photoelectrochemical applications. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 9023-30	3.6	51
24	Enhanced photocatalytic activity of C, F-codoped TiO <sub>2</sub> loaded with AgCl. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 560, 20-26	5.7	50
23	Configuration-controlled Au nanocluster arrays on inverse micelle nano-patterns: versatile platforms for SERS and SPR sensors. <i>Nanoscale</i> , <b>2013</b> , 5, 12261-71	7.7	38

22	Pure Cubic-Phase Hybrid Iodobismuthates AgBi <sub>2</sub> I <sub>7</sub> for Thin-Film Photovoltaics. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 9738-9742	3.6	35
21	Anchored Ligands Facilitate Efficient B-Site Doping in Metal Halide Perovskites. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 8296-8305	16.4	32
20	Self-powered reduced-dimensionality perovskite photodiodes with controlled crystalline phase and improved stability. <i>Nano Energy</i> , <b>2019</b> , 57, 761-770	17.1	31
19	Perovskite/Gold Nanorod Hybrid Photodetector with High Responsivity and Low Driving Voltage. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1701397	8.1	30
18	Biexciton Resonances Reveal Exciton Localization in Stacked Perovskite Quantum Wells. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 3895-3901	6.4	30
17	Copper(I)-Based Highly Emissive All-Inorganic Rare-Earth Halide Clusters. <i>Matter</i> , <b>2019</b> , 1, 180-191	12.7	27
16	Pressure-induced semiconductor-to-metal phase transition of a charge-ordered indium halide perovskite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 23404-23409	11.5	25
15	Towards efficient and stable perovskite solar cells employing non-hygroscopic F4-TCNQ doped TFB as the hole-transporting material. <i>Nanoscale</i> , <b>2019</b> , 11, 19586-19594	7.7	22
14	Layer-by-Layer Self-Assembled Graphene Multilayers as Pt-Free Alternative Counter Electrodes in Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 11488-98	9.5	20
13	Mesoporous carbon-TiO <sub>2</sub> beads with nanotextured surfaces as photoanodes in dye-sensitized solar cells. <i>ChemSusChem</i> , <b>2014</b> , 7, 2590-6	8.3	19
12	Polyethylenimine ethoxylated interlayer-mediated ZnO interfacial engineering for high-performance and low-temperature processed flexible perovskite solar cells: A simple and viable route for one-step processed CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> . <i>Journal of Power Sources</i> , <b>2019</b> , 438, 226956	8.9	17
11	Graphene Oxide Shells on Plasmonic Nanostructures Lead to High-Performance Photovoltaics: A Model Study Based on Dye-Sensitized Solar Cells. <i>ACS Energy Letters</i> , <b>2017</b> , 2, 117-123	20.1	16
10	Lead-free halide double perovskites: Toward stable and sustainable optoelectronic devices. <i>Materials Today</i> , <b>2021</b> ,	21.8	16
9	Infrared Cavity-Enhanced Colloidal Quantum Dot Photovoltaics Employing Asymmetric Multilayer Electrodes. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 2908-2913	20.1	12
8	Excitonic Creation of Highly Luminescent Defects In Situ in Working Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1700856	8.1	5
7	A soft-template-conversion route to fabricate nanopatterned hybrid Pt/carbon for potential use in counter electrodes of dye-sensitized solar cells. <i>Macromolecular Rapid Communications</i> , <b>2013</b> , 34, 1487-92	4.8	5
6	Lattice Dynamics and Optoelectronic Properties of Vacancy-Ordered Double Perovskite Cs <sub>2</sub> TeX <sub>6</sub> (X = Cl/Br/I) Single Crystals. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 25126-25139	3.8	5
5	Vibrational relaxation dynamics in layered perovskite quantum wells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	3

4	A New Perspective and Design Principle for Halide Perovskites: Ionic Octahedron Network (ION). <i>Nano Letters</i> , <b>2021</b> , 21, 5415-5421	11.5	3
3	Photonics for enhanced perovskite optoelectronics. <i>Nanophotonics</i> , <b>2021</b> , 10, 1941-1942	6.3	1
2	51.3: Invited Paper: Perovskite Light Emitters via Dimensional and Structural Control. <i>Digest of Technical Papers SID International Symposium</i> , <b>2019</b> , 50, 568-568	0.5	
1	Controll over the Au@Ag Core-shell Nanoparticle 2D Patterns via Diblock Copolymer Inverse Micelle Templates and Investigation of the Surface Plasmon Based Optical Property. <i>Journal of the Korean Chemical Society</i> , <b>2013</b> , 57, 618-624		