

# Nan Li

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4134708/publications.pdf>

Version: 2024-02-01

45  
papers

2,571  
citations

279798

23  
h-index

243625

44  
g-index

45  
all docs

45  
docs citations

45  
times ranked

3953  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mixed Cation FA <sub>x</sub> PEA <sub>1-x</sub> Pbl <sub>3</sub> with Enhanced Phase and Ambient Stability toward High-Performance Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1601307.	19.5	298
2	Montmorillonite as bifunctional buffer layer material for hybrid perovskite solar cells with protection from corrosion and retarding recombination. <i>Journal of Materials Chemistry A</i> , 2014, 2, 13587-13592.	10.3	277
3	Direct Evidence of Ion Diffusion for the Silver-Electrode-Induced Thermal Degradation of Inverted Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1602922.	19.5	277
4	Graphene oxide as dual functional interface modifier for improving wettability and retarding recombination in hybrid perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20105-20111.	10.3	194
5	Inorganic CsPb <sub>1-x</sub> Sn <sub>x</sub> IBr <sub>2</sub> for Efficient Wide-Bandgap Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2018, 8, 1800525.	19.5	192
6	Phenylalkylammonium passivation enables perovskite light emitting diodes with record high-radiance operational lifetime: the chain length matters. <i>Nature Communications</i> , 2021, 12, 644.	12.8	109
7	A self-powered organolead halide perovskite single crystal photodetector driven by a DVD-based triboelectric nanogenerator. <i>Journal of Materials Chemistry C</i> , 2016, 4, 630-636.	5.5	87
8	Ion Migration in Perovskite Light-Emitting Diodes: Mechanism, Characterizations, and Material and Device Engineering. <i>Advanced Materials</i> , 2022, 34, e2108102.	21.0	85
9	Multifunctional MgO Layer in Perovskite Solar Cells. <i>ChemPhysChem</i> , 2015, 16, 1727-1732.	2.1	70
10	How Far Are We from Achieving Self-Powered Flexible Health Monitoring Systems: An Energy Perspective. <i>Advanced Energy Materials</i> , 2021, 11, 2002646.	19.5	70
11	Improved Efficiency and Stability of Pb/Sn Binary Perovskite Solar Cells Fabricated by Galvanic Displacement Reaction. <i>Advanced Energy Materials</i> , 2019, 9, 1802774.	19.5	67
12	Enhanced Moisture Stability of Cesium-Containing Compositional Perovskites by a Feasible Interfacial Engineering. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700598.	3.7	65
13	Inkjet Printing Based Droplet Generation for Integrated Online Digital Polymerase Chain Reaction. <i>Analytical Chemistry</i> , 2018, 90, 5329-5334.	6.5	65
14	Stabilizing Perovskite Light-Emitting Diodes by Incorporation of Binary Alkali Cations. <i>Advanced Materials</i> , 2020, 32, e1907786.	21.0	64
15	Multifunctional perovskite capping layers in hybrid solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 14973.	10.3	57
16	Role of Excess FAI in Formation of High-Efficiency FAPb <sub>3</sub> -Based Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2020, 30, 1906875.	14.9	44
17	Efficient and UV-stable perovskite solar cells enabled by side chain-engineered polymeric hole-transporting layers. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12999-13004.	10.3	43
18	Degradation Mechanism of Perovskite Light-Emitting Diodes: An In Situ Investigation via Electroabsorption Spectroscopy and Device Modelling. <i>Advanced Functional Materials</i> , 2020, 30, 1910464.	14.9	41

#	ARTICLE	IF	CITATIONS
19	Concentrating Single Cells in Picoliter Droplets for Phospholipid Profiling on a Microfluidic System. <i>Small</i> , 2020, 16, e1903402.	10.0	36
20	Shear Stress-Enhanced Internalization of Cell Membrane Proteins Indicated by a Hairpin-Type DNA Probe. <i>Analytical Chemistry</i> , 2018, 90, 5540-5545.	6.5	35
21	Analysis of cellular biomolecules and behaviors using microfluidic chip and fluorescence method. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 117, 200-214.	11.4	33
22	Multifunctional Regulation of 3D Cell-Laden Microsphere Culture on an Integrated Microfluidic Device. <i>Analytical Chemistry</i> , 2019, 91, 12283-12289.	6.5	31
23	Excess Ion-Induced Efficiency Roll-Off in High-Efficiency Perovskite Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 28546-28554.	8.0	27
24	MoS <sub>2</sub> -LA-PEI nanocomposite carrier for real-time imaging of ATP metabolism in glioma stem cells co-cultured with endothelial cells on a microfluidic system. <i>Biosensors and Bioelectronics</i> , 2018, 99, 142-149.	10.1	24
25	A Specific Mass-Tag Approach for Detection of Foodborne Pathogens Using MALDI-TOF Mass Spectrometry. <i>Analytical Chemistry</i> , 2022, 94, 3963-3969.	6.5	23
26	Diammonium <sup>+</sup> -Mediated Perovskite Film Formation for High <sup>+</sup> -Luminescence Red Perovskite Light <sup>+</sup> -Emitting Diodes. <i>Advanced Materials</i> , 2022, 34, .	21.0	23
27	Inkjet Printing Based Separation of Mammalian Cells by Capillary Electrophoresis. <i>Analytical Chemistry</i> , 2017, 89, 8674-8677.	6.5	20
28	ATP-responsive mitochondrial probes for monitoring metabolic processes of glioma stem cells in a 3D model. <i>Chemical Science</i> , 2020, 11, 2744-2749.	7.4	20
29	Enhanced performance in hybrid perovskite solar cell by modification with spinel lithium titanate. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8882-8889.	10.3	19
30	The role of interface between electron transport layer and perovskite in halogen migration and stabilizing perovskite solar cells with Cs <sub>4</sub> SnO <sub>4</sub> . <i>Journal of Materials Chemistry A</i> , 2018, 6, 23797-23804.	10.3	19
31	Metabolism-Based Capture and Analysis of Circulating Tumor Cells in an Open Space. <i>Analytical Chemistry</i> , 2021, 93, 6955-6960.	6.5	19
32	Nongenetically Encoded and Erasable Imaging Strategy for Receptor-Specific Glycans on Live Cells. <i>Analytical Chemistry</i> , 2019, 91, 2600-2604.	6.5	18
33	Improved charge transport and injection in a meso-superstructured solar cell by a tractable pre-spin-coating process. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 24092-24097.	2.8	14
34	Enhanced efficiency and stability of inverted perovskite solar cells by interfacial engineering with alkyl bisphosphonic molecules. <i>RSC Advances</i> , 2017, 7, 42105-42112.	3.6	13
35	Tailoring electrical property of the low-temperature processed SnO <sub>2</sub> for high-performance perovskite solar cells. <i>Science China Materials</i> , 2019, 62, 173-180.	6.3	13
36	Alkali-cation-enhanced benzylammonium passivation for efficient and stable perovskite solar cells fabricated through sequential deposition. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19357-19366.	10.3	13

#	ARTICLE	IF	CITATIONS
37	A DNA-directed covalent conjugation fluorescence probe for in vitro detection of functional matrix metalloproteinases. <i>Analyst</i> , 2017, 142, 634-640.	3.5	12
38	Visual detection of high-risk HPV16 and HPV18 based on loop-mediated isothermal amplification. <i>Talanta</i> , 2020, 217, 121015.	5.5	12
39	Di-4-ANEPPDHQ probes the response of lipid packing to the membrane tension change in living cells. <i>Chinese Chemical Letters</i> , 2022, 33, 1377-1380.	9.0	11
40	Live imaging of cell membrane-localized MT1-MMP activity on a microfluidic chip. <i>Chemical Communications</i> , 2018, 54, 11435-11438.	4.1	10
41	Improved performance of pure formamidinium lead iodide perovskite light-emitting diodes by moisture treatment. <i>Journal of Materials Chemistry C</i> , 2017, 5, 11121-11127.	5.5	8
42	Cell Heterogeneity Revealed by On-Chip Angiogenic Endothelial Cell Migration. <i>ACS Omega</i> , 2020, 5, 3857-3862.	3.5	6
43	Effect of Dai-Bai-Jie on the proliferation and migration of the A549 cells. <i>Chinese Chemical Letters</i> , 2020, 31, 476-478.	9.0	4
44	Shell microparticles of morphology controlled and inner-modified hole from sequential inkjet-printed double emulsions. <i>Science China Chemistry</i> , 2018, 61, 1465-1469.	8.2	3
45	Cell manipulation and cellular analysis. , 2022, , 145-179.		0