

# Fang Yuan

## List of Publications by Year in descending order

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41  
papers

1,744  
citations

304743

22  
h-index

276875

41  
g-index

43  
all docs

43  
docs citations

43  
times ranked

2643  
citing authors

#	ARTICLE	IF	CITATIONS
1	Near-unity blue luminance from lead-free copper halides for light-emitting diodes. <i>Nano Energy</i> , 2022, 91, 106664.	16.0	23
2	Highly efficient and stable perovskite solar cells enabled by low-dimensional perovskitoids. <i>Science Advances</i> , 2022, 8, eabk2722.	10.3	53
3	Hole Transport Layer Free Perovskite Light-Emitting Diodes With High-Brightness and Air-Stability Based on Solution-Processed CsPbBr <sub>3</sub> -Cs <sub>4</sub> PbBr <sub>6</sub> Composites Films. <i>Frontiers in Chemistry</i> , 2022, 10, 828322.	3.6	2
4	Bright and efficient sky-blue perovskite light-emitting diodes via doping of $\pi$ -conjugated molecule tetraphenylethylene. <i>Organic Electronics</i> , 2022, 102, 106441.	2.6	2
5	Complementary Triple-Ligand Engineering Approach to Methylamine Lead Bromide Nanocrystals for High-Performance Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 10508-10516.	8.0	10
6	Harvesting the Triplet Excitons of Quasi-Two-Dimensional Perovskite toward Highly Efficient White Light-Emitting Diodes. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 3674-3681.	4.6	3
7	Photoinduced Cross Linkable Polymerization of Flexible Perovskite Solar Cells and Modules by Incorporating Benzyl Acrylate. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	32
8	Exploiting a Multiphase Pure Formamidinium Lead Perovskite for Efficient Green-Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 23067-23073.	8.0	11
9	Enhanced performance of spectra stable blue perovskite light-emitting diodes through Poly(9-vinylcarbazole) interlayer incorporation. <i>Organic Electronics</i> , 2021, 96, 106259.	2.6	5
10	High efficient and stable Tin-based perovskite solar cells via short-chain ligand modification. <i>Organic Electronics</i> , 2021, 96, 106198.	2.6	5
11	High Triplet Energy Level Molecule Enables Highly Efficient Sky-Blue Perovskite Light-Emitting Diodes. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11723-11729.	4.6	11
12	Surface mediated ligands addressing bottleneck of room-temperature synthesized inorganic perovskite nanocrystals toward efficient light-emitting diodes. <i>Nano Energy</i> , 2020, 70, 104467.	16.0	56
13	Flexible and Transparent Ferroferric Oxide-Modified Silver Nanowire Film for Efficient Electromagnetic Interference Shielding. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 2826-2834.	8.0	62
14	Vacuum Dual-Source Thermal-Deposited Lead-Free Cs <sub>3</sub> Cu <sub>2</sub> I <sub>5</sub> Films with High Photoluminescence Quantum Yield for Deep-Blue Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 52967-52975.	8.0	50
15	Suppressing Ion Migration Enables Stable Perovskite Light-Emitting Diodes with All-Inorganic Strategy. <i>Advanced Functional Materials</i> , 2020, 30, 2001834.	14.9	76
16	A Cocktail of Multiple Cations in Inorganic Halide Perovskite toward Efficient and Highly Stable Blue Light-Emitting Diodes. <i>ACS Energy Letters</i> , 2020, 5, 1062-1069.	17.4	79
17	Random lasing based on a nanoplasmonic hybrid structure composed of (Au core)-(Ag shell) nanorods with Ag film. <i>Optical Materials Express</i> , 2020, 10, 1204.	3.0	6
18	Ultra-stable CsPbBr <sub>3</sub> nanocrystals with near-unity photoluminescence quantum yield via postsynthetic surface engineering. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26116-26122.	10.3	50

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19	Conjugated Molecules as Bridge Functional Ligand toward Highly Efficient and Long-Term Stable Perovskite Solar Cell. <i>Advanced Functional Materials</i> , 2019, 29, 1808119.	14.9	88
20	Chemical sintering reduced grain boundary defects for stable planar perovskite solar cells. <i>Nano Energy</i> , 2019, 56, 741-750.	16.0	65
21	Rubidium Doping for Enhanced Performance of Highly Efficient Formamidinium-Based Perovskite Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 9849-9857.	8.0	58
22	Bilateral Interface Engineering toward Efficient 2D/3D Bulk Heterojunction Tin Halide Lead-Free Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2018, 3, 713-721.	17.4	191
23	All-Inorganic Heterostructured Cesium Tin Halide Perovskite Light-Emitting Diodes With Current Density Over $900 \text{ A cm}^{-2}$ and Its Amplified Spontaneous Emission Behaviors. <i>Physica Status Solidi - Rapid Research Letters</i> , 2018, 12, 1800090.	3.4	47
24	One-Step Co-Evaporation of All-Inorganic Perovskite Thin Films with Room-Temperature Ultralow Amplified Spontaneous Emission Threshold and Air Stability. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 40661-40671.	8.0	76
25	Highly-efficient and low-temperature perovskite solar cells by employing a Bi-hole transport layer consisting of vanadium oxide and copper phthalocyanine. <i>Chemical Communications</i> , 2018, 54, 6177-6180.	4.1	37
26	Plasmonic enhancement for high efficient and stable perovskite solar cells by employing "hot spots" Au nanopyramids. <i>Organic Electronics</i> , 2018, 60, 1-8.	2.6	32
27	High performance organo-lead halide perovskite light-emitting diodes via surface passivation of phenethylamine. <i>Organic Electronics</i> , 2018, 60, 57-63.	2.6	20
28	A Strategy for Architecture Design of Crystalline Perovskite Light-Emitting Diodes with High Performance. <i>Advanced Materials</i> , 2018, 30, e1800251.	21.0	148
29	Construction of Compact Methylammonium Bismuth Iodide Film Promoting Lead-Free Inverted Planar Heterojunction Organohalide Solar Cells with Open-Circuit Voltage over 0.8 V. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 394-400.	4.6	151
30	High Stability and Ultralow Threshold Amplified Spontaneous Emission from Formamidinium Lead Halide Perovskite Films. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15318-15325.	3.1	50
31	Naphthyl-functionalized oligophenyls: Photophysical properties, film morphology, and amplified spontaneous emission. <i>Optical Materials</i> , 2016, 54, 37-44.	3.6	5
32	Formation of ultrasmooth perovskite films toward highly efficient inverted planar heterojunction solar cells by micro-flowing anti-solvent deposition in air. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6295-6303.	10.3	61
33	Initiating crystal growth kinetics of $\text{HC}(\text{NH}_2)_2\text{PbI}_3$ for flexible solar cells with long-term stability. <i>Nano Energy</i> , 2016, 26, 438-445.	16.0	35
34	Electric field-modulated amplified spontaneous emission in organo-lead halide perovskite $\text{CH}_3\text{NH}_3\text{PbI}_3$ . <i>Applied Physics Letters</i> , 2015, 107, .	3.3	19
35	The molecular picture of amplified spontaneous emission of star-shaped functionalized-truxene derivatives. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7004-7013.	5.5	12
36	Controlled thickness and morphology for highly efficient inverted planar heterojunction perovskite solar cells. <i>Nanoscale</i> , 2015, 7, 10699-10707.	5.6	21

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37	Modified deposition process of electron transport layer for efficient inverted planar perovskite solar cells. <i>Chemical Communications</i> , 2015, 51, 8986-8989.	4.1	28
38	Enhanced lasing assisted by the Ag-encapsulated Au plasmonic nanorods. <i>Optics Letters</i> , 2015, 40, 990.	3.3	12
39	Tunable lasing on silver island films by coupling to the localized surface plasmon. <i>Optical Materials Express</i> , 2015, 5, 629.	3.0	9
40	Enhancement of amplified spontaneous emission in organic gain media by the metallic film. <i>Organic Electronics</i> , 2014, 15, 2052-2058.	2.6	17
41	Theoretical insight into the deep-blue amplified spontaneous emission of new organic semiconductor molecules. <i>Organic Electronics</i> , 2014, 15, 3144-3153.	2.6	19