

Yang Michael Yang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49
papers

8,243
citations

28
h-index

60
g-index

60
ext. papers

9,733
ext. citations

14.9
avg, IF

6.68
L-index

#	Paper	IF	Citations
49	In Situ Fabrication of CsCuI: Tl Nanocrystal Films for High-Resolution and Ultrastable X-ray Imaging.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 2862-2870	6.4	10
48	Seed-Assisted Growth of Methylammonium-Free Perovskite for Efficient Inverted Perovskite Solar Cells.. <i>Small Methods</i> , 2022 , e2200048	12.8	1
47	Top-Emitting Microcavity Light-Emitting Diodes Based on All-Thermally Evaporated Lead-Free Copper Halide Self-Trapped-Exciton Emitters.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 3431-3437	6.4	2
46	Thermally activated delayed fluorescence (TADF) organic molecules for efficient X-ray scintillation and imaging. <i>Nature Materials</i> , 2021 ,	27	31
45	PbI-TiO Bulk Heterojunctions with Long-Range Ordering for X-ray Detectors. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 11176-11181	6.4	2
44	Highly Emissive and Stable Five-Coordinated Manganese(II) Complex for X-Ray Imaging. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2100309	8.3	9
43	Highly Resolved and Robust Dynamic X-Ray Imaging Using Perovskite Glass-Ceramic Scintillator with Reduced Light Scattering. <i>Advanced Science</i> , 2021 , 8, e2003728	13.6	39
42	Characterizations and Understanding of Additives Induced Passivation Effects in Narrow-Bandgap SnBb Alloyed Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 12560-12567	3.8	5
41	Highly Efficient and Thickness Insensitive Inverted Triple-Cation Perovskite Solar Cells Fabricated by Gas Pumping Method. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 5580-5586	6.4	3
40	Triplet exciton formation for non-radiative voltage loss in high-efficiency nonfullerene organic solar cells. <i>Joule</i> , 2021 , 5, 1832-1844	27.8	30
39	Understanding of the Nearly Linear Tunable Open-Circuit Voltages in Ternary Organic Solar Cells Based on Two Non-fullerene Acceptors. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 151-156	6.4	9
38	Lanthanide-doping enables kinetically controlled growth of deep-blue two-monolayer halide perovskite nanoplatelets. <i>Nanoscale</i> , 2021 , 13, 11552-11560	7.7	5
37	Organic phosphors with bright triplet excitons for efficient X-ray-excited luminescence. <i>Nature Photonics</i> , 2021 , 15, 187-192	33.9	83
36	1934 cm ² large-area quaternary organic photovoltaic module with 1236% certified efficiency. <i>Photonics Research</i> , 2021 , 9, 324	6	7
35	High-Performance All-Polymer Solar Cells with a Pseudo-Bilayer Configuration Enabled by a Stepwise Optimization Strategy. <i>Advanced Functional Materials</i> , 2021 , 31, 2010411	15.6	46
34	Reproducible X-ray Imaging with a Perovskite Nanocrystal Scintillator Embedded in a Transparent Amorphous Network Structure. <i>Advanced Materials</i> , 2021 , 33, e2102529	24	47
33	Highly Efficient NaGdF:Ce/Tb Nanoscintillator with Reduced Afterglow and Light Scattering for High-Resolution X-ray Imaging. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 44596-44603	9.5	8

32	Influence of Isomerism on Radioluminescence of Purely Organic Phosphorescence Scintillators. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	6
31	Highly Efficient and Tunable Emission of Lead-Free Manganese Halides toward White Light-Emitting Diode and X-Ray Scintillation Applications. <i>Advanced Functional Materials</i> , 2021 , 31, 2009973	15.6	49
30	Dopant-free hole transporting materials with supramolecular interactions and reverse diffusion for efficient and modular p-i-n perovskite solar cells. <i>Science China Chemistry</i> , 2020 , 63, 987-996	7.9	25
29	Enhanced thermal stability of inverted perovskite solar cells by interface modification and additive strategy.. <i>RSC Advances</i> , 2020 , 10, 18400-18406	3.7	6
28	Perovskite semiconductors for direct X-ray detection and imaging. <i>Journal of Semiconductors</i> , 2020 , 41, 051204	2.3	30
27	Low-dose real-time X-ray imaging with nontoxic double perovskite scintillators. <i>Light: Science and Applications</i> , 2020 , 9, 112	16.7	127
26	Efficient and Reproducible Monolithic Perovskite/Organic Tandem Solar Cells with Low-Loss Interconnecting Layers. <i>Joule</i> , 2020 , 4, 1594-1606	27.8	57
25	Large-area perovskite solar cells. <i>Science Bulletin</i> , 2020 , 65, 872-875	10.6	29
24	Ultrafast Hole Transfer and Carrier Transport Controlled by Nanoscale-Phase Morphology in Nonfullerene Organic Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 3226-3233	6.4	42
23	Perovskite Quantum Dots for Photovoltaic Applications. <i>Springer Series in Materials Science</i> , 2020 , 243-254	25.4	0
22	Efficiency breakthrough for all-perovskite tandem solar cells. <i>Science China Chemistry</i> , 2020 , 63, 294-295	7.9	2
21	Shining Emitter in a Stable Host: Design of Halide Perovskite Scintillators for X-ray Imaging from Commercial Concept. <i>ACS Nano</i> , 2020 , 14, 5183-5193	16.7	110
20	Realizing High Efficiency over 20% of Low-Bandgap PbSn-Alloyed Perovskite Solar Cells by In Situ Reduction of Sn ⁴⁺ . <i>Solar Rrl</i> , 2020 , 4, 1900467	7.1	40
19	Colloidal Synthesis and Optical Properties of All-Inorganic Low-Dimensional Cesium Copper Halide Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16087-16091	16.4	104
18	Direct Observations of Surface Plasmon Polaritons in Highly Conductive Organic Thin Film. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 39132-39142	9.5	5
17	Ultrafast self-trapping of photoexcited carriers sets the upper limit on antimony trisulfide photovoltaic devices. <i>Nature Communications</i> , 2019 , 10, 4540	17.4	66
16	Enabling low voltage losses and high photocurrent in fullerene-free organic photovoltaics. <i>Nature Communications</i> , 2019 , 10, 570	17.4	260
15	Highly sensitive X-ray detector made of layered perovskite-like (NH ₄) ₃ Bi ₂ I ₉ single crystal with anisotropic response. <i>Nature Photonics</i> , 2019 , 13, 602-608	33.9	217

14	Power Conversion Efficiency Enhancement of Low-Bandgap Mixed PbSn Perovskite Solar Cells by Improved Interfacial Charge Transfer. <i>ACS Energy Letters</i> , 2019 , 4, 1784-1790	20.1	44
13	Next-generation organic photovoltaics based on non-fullerene acceptors. <i>Nature Photonics</i> , 2018 , 12, 131-142	33.9	1155
12	High-Performance Organic Bulk-Heterojunction Solar Cells Based on Multiple-Donor or Multiple-Acceptor Components. <i>Advanced Materials</i> , 2018 , 30, 1705706	24	124
11	Tailored Phase Conversion under Conjugated Polymer Enables Thermally Stable Perovskite Solar Cells with Efficiency Exceeding 21. <i>Journal of the American Chemical Society</i> , 2018 , 140, 17255-17262	16.4	162
10	High-performance perovskite/Cu(In,Ga)Se monolithic tandem solar cells. <i>Science</i> , 2018 , 361, 904-908	33.3	228
9	Ultra-bright and highly efficient inorganic based perovskite light-emitting diodes. <i>Nature Communications</i> , 2017 , 8, 15640	17.4	557
8	Make perovskite solar cells stable. <i>Nature</i> , 2017 , 544, 155-156	50.4	221
7	High-Efficiency Organic Tandem Solar Cells With Effective Transition Metal Chelates Interconnecting Layer. <i>Solar Rrl</i> , 2017 , 1, 1700139	7.1	15
6	Perovskite/polymer monolithic hybrid tandem solar cells utilizing a low-temperature, full solution process. <i>Materials Horizons</i> , 2015 , 2, 203-211	14.4	127
5	10.2% power conversion efficiency polymer tandem solar cells consisting of two identical sub-cells. <i>Advanced Materials</i> , 2013 , 25, 3973-8	24	403
4	Polymer solar cells. <i>Nature Photonics</i> , 2012 , 6, 153-161	33.9	3621
3	Mechanism study on organic ternary photovoltaics with 18.3% certified efficiency: from molecule to device. <i>Energy and Environmental Science</i> ,	35.4	13
2	Surface Reconstruction for Stable Monolithic All-Inorganic Perovskite/Organic Tandem Solar Cells with over 21% Efficiency. <i>Advanced Functional Materials</i> ,2109321	15.6	16
1	All-Inorganic Perovskite Polymer/Ceramics for Flexible and Refreshable X-Ray Imaging. <i>Advanced Functional Materials</i> ,2107424	15.6	18