

# Rui Su

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6635689/publications.pdf>

Version: 2024-02-01

18  
papers

3,618  
citations

430754

18  
h-index

839398

18  
g-index

18  
all docs

18  
docs citations

18  
times ranked

4332  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced photovoltage for inverted planar heterojunction perovskite solar cells. <i>Science</i> , 2018, 360, 1442-1446.	6.0	1,221
2	Minimizing non-radiative recombination losses in perovskite solar cells. <i>Nature Reviews Materials</i> , 2020, 5, 44-60.	23.3	754
3	Halide Perovskite Semiconductor Lasers: Materials, Cavity Design, and Low Threshold. <i>Nano Letters</i> , 2021, 21, 1903-1914.	4.5	220
4	Buried Interfaces in Halide Perovskite Photovoltaics. <i>Advanced Materials</i> , 2021, 33, e2006435.	11.1	214
5	Low-dimensional perovskite interlayer for highly efficient lead-free formamidinium tin iodide perovskite solar cells. <i>Nano Energy</i> , 2018, 49, 411-418.	8.2	184
6	Superior Carrier Lifetimes Exceeding 6 $\mu$ s in Polycrystalline Halide Perovskites. <i>Advanced Materials</i> , 2020, 32, e2002585.	11.1	151
7	Diboron-Assisted Interfacial Defect Control Strategy for Highly Efficient Planar Perovskite Solar Cells. <i>Advanced Materials</i> , 2018, 30, e1805085.	11.1	128
8	High-Performance CsPbI <sub>3</sub> Br <sub>3</sub> All-Inorganic Perovskite Solar Cells with Efficiency over 18% via Spontaneous Interfacial Manipulation. <i>Advanced Functional Materials</i> , 2020, 30, 2000457.	7.8	118
9	Mixed-cation perovskite solar cells in space. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	2.0	116
10	Depth-dependent defect manipulation in perovskites for high-performance solar cells. <i>Energy and Environmental Science</i> , 2021, 14, 6526-6535.	15.6	114
11	Dielectric screening in perovskite photovoltaics. <i>Nature Communications</i> , 2021, 12, 2479.	5.8	88
12	Surface modification induced by perovskite quantum dots for triple-cation perovskite solar cells. <i>Nano Energy</i> , 2020, 67, 104189.	8.2	81
13	Perovskite solar cell towards lower toxicity: a theoretical study of physical lead reduction strategy. <i>Science Bulletin</i> , 2019, 64, 1255-1261.	4.3	54
14	Mechanochemistry Advances High-Performance Perovskite Solar Cells. <i>Advanced Materials</i> , 2022, 34, e2107420.	11.1	51
15	Plasma Oxidized Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene as Electron Transport Layer for Efficient Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 32495-32502.	4.0	41
16	Perovskite Single-Crystal Microarrays for Efficient Photovoltaic Devices. <i>Chemistry of Materials</i> , 2018, 30, 4590-4596.	3.2	33
17	Low-Dimensional Contact Layers for Enhanced Perovskite Photodiodes. <i>Advanced Functional Materials</i> , 2020, 30, 2001692.	7.8	30
18	Green Solution-Bathing Process for Efficient Large-Area Planar Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 24905-24912.	4.0	20