

# Roberto Sorrentino

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8554889/publications.pdf>

Version: 2024-02-01

19  
papers

1,504  
citations

687363

13  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

3271  
citing authors

#	ARTICLE	IF	CITATIONS
1	Water-based and biocompatible 2D crystal inks for all-inkjet-printed heterostructures. Nature Nanotechnology, 2017, 12, 343-350.	31.5	440
2	Enhanced solar cell stability by hygroscopic polymer passivation of metal halide perovskite thin film. Energy and Environmental Science, 2018, 11, 2609-2619.	30.8	276
3	Defect Activity in Lead Halide Perovskites. Advanced Materials, 2019, 31, e1901183.	21.0	191
4	Interlayers for non-fullerene based polymer solar cells: distinctive features and challenges. Energy and Environmental Science, 2021, 14, 180-223.	30.8	165
5	Evidence of Spiro-OMeTAD De-doping by tert-Butylpyridine Additive in Hole-Transporting Layers for Perovskite Solar Cells. Chem, 2019, 5, 1806-1817.	11.7	100
6	High-Sensitivity Flexible X-Ray Detectors based on Printed Perovskite Inks. Advanced Functional Materials, 2021, 31, 2009072.	14.9	55
7	Fully Solution-Processed "Like Perovskite Solar Cells with Planar Junction: How the Charge Extracting Layer Determines the Open-Circuit Voltage. Advanced Materials, 2017, 29, 1604493.	21.0	50
8	Lanthanide-Induced Photoluminescence in Lead-Free Cs <sub>2</sub> AgBiBr <sub>6</sub> Bulk Perovskite: Insights from Optical and Theoretical Investigations. Journal of Physical Chemistry Letters, 2020, 11, 8893-8900.	4.6	38
9	Coupling halide perovskites with different materials: From doping to nanocomposites, beyond photovoltaics. Progress in Materials Science, 2020, 110, 100639.	32.8	38
10	Interfacial Morphology Addresses Performance of Perovskite Solar Cells Based on Composite Hole Transporting Materials of Functionalized Reduced Graphene Oxide and P3HT. Solar Rrl, 2018, 2, 1800013.	5.8	36
11	High-Quality, Ligand-Free, Mixed-Halide Perovskite Nanocrystals Inks for Optoelectronic Applications. Advanced Energy Materials, 2017, 7, 1601703.	19.5	29
12	Moisture resistance in perovskite solar cells attributed to a water-splitting layer. Communications Materials, 2021, 2, .	6.9	29
13	High-Detectivity Perovskite Light Detectors Printed in Air from Benign Solvents. Chem, 2019, 5, 868-880.	11.7	25
14	Electro-responsivity in electrolyte-free and solution processed Bragg stacks. Journal of Materials Chemistry C, 2020, 8, 13019-13024.	5.5	12
15	A film-forming graphene/diketopyrrolopyrrole covalent hybrid with far-red optical features: Evidence of photo-stability. Synthetic Metals, 2019, 258, 116201.	3.9	7
16	An N-type Naphthalene Diimide Ionene Polymer as Cathode Interlayer for Organic Solar Cells. Energies, 2021, 14, 454.	3.1	7
17	CsPbBr <sub>3</sub> nanocrystal inks for printable light harvesting devices. Sustainable Energy and Fuels, 2020, 4, 171-176.	4.9	4
18	Hybrid MoS <sub>2</sub> /PEDOT:PSS transporting layers for interface engineering of nanoplatelet-based light-emitting diodes. Dalton Transactions, 2021, 50, 9208-9214.	3.3	2

#	ARTICLE	IF	CITATIONS
19	Evidences of De-Doped Spiro-OMeTAD Employing Tert-Butyl Pyridine As Additive in Hole-Transporting Layers for n-i-p Perovskite Photovoltaics. SSRN Electronic Journal, 0, , .	0.4	0