Roberto Sorrentino

List of Publications by Year
in descending order

19 papers	1,504 citations	687335 13 h-index	839512 18 g-index
19 all docs	19 docs citations	19 times ranked	3271 citing authors

#	Article	IF	Citations
1	Highâ€Sensitivity Flexible Xâ€Ray Detectors based on Printed Perovskite Inks. Advanced Functional Materials, 2021, 31, 2009072.	14.9	55
2	Hybrid MoS2/PEDOT:PSS transporting layers for interface engineering of nanoplatelet-based light-emitting diodes. Dalton Transactions, 2021, 50, 9208-9214.	3.3	2
3	An N-type Naphthalene Diimide Ionene Polymer as Cathode Interlayer for Organic Solar Cells. Energies, 2021, 14, 454.	3.1	7
4	Moisture resistance in perovskite solar cells attributed to a water-splitting layer. Communications Materials, 2021, 2, .	6.9	29
5	Interlayers for non-fullerene based polymer solar cells: distinctive features and challenges. Energy and Environmental Science, 2021, 14, 180-223.	30.8	165
6	CsPbBr₃ nanocrystal inks for printable light harvesting devices. Sustainable Energy and Fuels, 2020, 4, 171-176.	4.9	4
7	Lanthanide-Induced Photoluminescence in Lead-Free Cs₂AgBiBr₆ Bulk Perovskite: Insights from Optical and Theoretical Investigations. Journal of Physical Chemistry Letters, 2020, 11, 8893-8900.	4.6	38
8	Electro-responsivity in electrolyte-free and solution processed Bragg stacks. Journal of Materials Chemistry C, 2020, 8, 13019-13024.	5.5	12
9	Coupling halide perovskites with different materials: From doping to nanocomposites, beyond photovoltaics. Progress in Materials Science, 2020, 110, 100639.	32.8	38
10	Defect Activity in Lead Halide Perovskites. Advanced Materials, 2019, 31, e1901183.	21.0	191
11	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
12	High-Detectivity Perovskite Light Detectors Printed in Air from Benign Solvents. CheM, 2019, 5, 868-880.	11.7	25
13	A film-forming graphene/diketopyrrolopyrrole covalent hybrid with far-red optical features: Evidence of photo-stability. Synthetic Metals, 2019, 258, 116201.	3.9	7
14	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
15	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
16	Fully Solutionâ€Processed nâ€“iâ€“pâ€Like Perovskite Solar Cells with Planar Junction: How the Charge Extracting Layer Determines the Openâ€Circuit Voltage. Advanced Materials, 2017, 29, 1604493.	21.0	50
17	Water-based and biocompatible 2D crystal inks for all-inkjet-printed heterostructures. Nature Nanotechnology, 2017, 12, 343-350.	31.5	440
18	Highâ€Quality, Ligandsâ€Free, Mixedâ€Halide Perovskite Nanocrystals Inks for Optoelectronic Applications. Advanced Energy Materials, 2017, 7, 1601703.	19.5	29

#	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