

Roberto Sorrentino

List of Publications by Year in descending order

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Version: 2024-02-01

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	Water-based and biocompatible 2D crystal inks for all-inkjet-printed heterostructures. <i>Nature Nanotechnology</i> , 2017, 12, 343-350.	31.5	440
2	Enhanced solar cell stability by hygroscopic polymer passivation of metal halide perovskite thin film. <i>Energy and Environmental Science</i> , 2018, 11, 2609-2619.	30.8	276
3	Defect Activity in Lead Halide Perovskites. <i>Advanced Materials</i> , 2019, 31, e1901183.	21.0	191
4	Interlayers for non-fullerene based polymer solar cells: distinctive features and challenges. <i>Energy and Environmental Science</i> , 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. <i>CheM</i> , 2019, 5, 1806-1817.	11.7	100
6	High-Sensitivity Flexible X-Ray Detectors based on Printed Perovskite Inks. <i>Advanced Functional Materials</i> , 2021, 31, 2009072.	14.9	55
7	Fully Solution-Processed p^+n^- -Like Perovskite Solar Cells with Planar Junction: How the Charge Extracting Layer Determines the Open-Circuit Voltage. <i>Advanced Materials</i> , 2017, 29, 1604493.	21.0	50
8	Lanthanide-Induced Photoluminescence in Lead-Free $\text{Cs}_2\text{AgBiBr}_6$ Bulk Perovskite: Insights from Optical and Theoretical Investigations. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8893-8900.	4.6	38
9	Coupling halide perovskites with different materials: From doping to nanocomposites, beyond photovoltaics. <i>Progress in Materials Science</i> , 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. <i>Solar Rrl</i> , 2018, 2, 1800013.	5.8	36
11	High-Quality, Ligand-Free, Mixed-Halide Perovskite Nanocrystals Inks for Optoelectronic Applications. <i>Advanced Energy Materials</i> , 2017, 7, 1601703.	19.5	29
12	Moisture resistance in perovskite solar cells attributed to a water-splitting layer. <i>Communications Materials</i> , 2021, 2, .	6.9	29
13	High-Detectivity Perovskite Light Detectors Printed in Air from Benign Solvents. <i>CheM</i> , 2019, 5, 868-880.	11.7	25
14	Electro-responsivity in electrolyte-free and solution processed Bragg stacks. <i>Journal of Materials Chemistry C</i> , 2020, 8, 13019-13024.	5.5	12
15	A film-forming graphene/diketopyrrolopyrrole covalent hybrid with far-red optical features: Evidence of photo-stability. <i>Synthetic Metals</i> , 2019, 258, 116201.	3.9	7
16	An N-type Naphthalene Diimide Ionene Polymer as Cathode Interlayer for Organic Solar Cells. <i>Energies</i> , 2021, 14, 454.	3.1	7
17	CsPbBr_3 nanocrystal inks for printable light harvesting devices. <i>Sustainable Energy and Fuels</i> , 2020, 4, 171-176.	4.9	4
18	Hybrid MoS_2 /PEDOT:PSS transporting layers for interface engineering of nanoplatelet-based light-emitting diodes. <i>Dalton Transactions</i> , 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