Nicholas De Marco

List of Publications by Year
in descending order

22	7,581	331538 21	677027 22
papers	citations	h-index	g-index

23	23	23	10254
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Improved air stability of perovskite solar cells via solution-processed metal oxide transport layers. Nature Nanotechnology, 2016, 11, 75-81.	15.6	1,890
2	Under the spotlight: The organicâ€“inorganic hybrid halide perovskite for optoelectronic applications. Nano Today, 2015, 10, 355-396.	6.2	891
3	Recent Progress in Materials and Devices toward Printable and Flexible Sensors. Advanced Materials, 2016, 28, 4415-4440.	11.1	643
4	Polymer-modified halide perovskite films for efficient and stable planar heterojunction solar cells. Science Advances, 2017, 3, e1700106.	4.7	588
5	2D perovskite stabilized phase-pure formamidinium perovskite solar cells. Nature Communications, 2018, 9, 3021.	5.8	575
6	Guanidinium: A Route to Enhanced Carrier Lifetime and Open-Circuit Voltage in Hybrid Perovskite Solar Cells. Nano Letters, 2016, 16, 1009-1016.	4.5	479
7	Perovskite-polymer composite cross-linker approach for highly-stable and efficient perovskite solar cells. Nature Communications, 2019, 10, 520.	5.8	405
8	Tuning Molecular Interactions for Highly Reproducible and Efficient Formamidinium Perovskite Solar Cells via Adduct Approach. Journal of the American Chemical Society, 2018, 140, 6317-6324.	6.6	338
9	A Bifunctional Lewis Base Additive for Microscopic Homogeneity in Perovskite Solar Cells. CheM, 2017, 3, 290-302.	5.8	335
10	Tailoring the Interfacial Chemical Interaction for High-Efficiency Perovskite Solar Cells. Nano Letters, 2017, 17, 269-275.	4.5	307
11	The role of grain boundaries in perovskite solar cells. Materials Today Energy, 2018, 7, 149-160.	2.5	209
12	Multilayer Transparent Top Electrode for Solution Processed Perovskite/Cu(In,Ga)(Se,S)₂ Four Terminal Tandem Solar Cells. ACS Nano, 2015, 9, 7714-7721.	7.3	157
13	Steric Impediment of Ion Migration Contributes to Improved Operational Stability of Perovskite Solar Cells. Advanced Materials, 2020, 32, e1906995.	11.1	142
14	The Emergence of the Mixed Perovskites and Their Applications as Solar Cells. Advanced Energy Materials, 2017, 7, 1700491.	10.2	120
15	Improving the TiO₂ electron transport layer in perovskite solar cells using acetylacetonate-based additives. Journal of Materials Chemistry A, 2015, 3, 9108-9115.	5.2	104
16	Morphology Evolution of High Efficiency Perovskite Solar Cells via Vapor Induced Intermediate Phases. Journal of the American Chemical Society, 2016, 138, 15710-15716.	6.6	102
17	Low-Temperature TiO_x Compact Layer for Planar Heterojunction Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 11076-11083.	4.0	100
18	Working Mechanism for Flexible Perovskite Solar Cells with Simplified Architecture. Nano Letters, 2015, 15, 6514-6520.	4.5	91

#	Article	IF	Citations
19	Halide Perovskites for Tandem Solar Cells. Journal of Physical Chemistry Letters, 2017, 8, 1999-2011.	2.1	47
20	Rationally Induced Interfacial Dipole in Planar Heterojunction Perovskite Solar Cells for Reduced Jâ€“V Hysteresis. Advanced Energy Materials, 2018, 8, 1800568.	10.2	32
21	Electrohydrodynamically Assisted Deposition of Efficient Perovskite Photovoltaics. Advanced Materials Interfaces, 2016, 3, 1500762.	1.9	21
22	Electrohydrodynamic-assisted Assembly of Hierarchically Structured, 3D Crumpled Nanostructures for Efficient Solar Conversions. Scientific Reports, 2016, 6, 38701.	1.6	5