Nicholas De Marco

List of Publications by Year in Descending Order

22 papers	5,909 citations	19 h-index	23 g-index
23 ext. papers	6,706 ext. citations	14.8 avg, IF	5.7 L-index

#	Paper	IF	Citations
22	Steric Impediment of Ion Migration Contributes to Improved Operational Stability of Perovskite Solar Cells. *Advanced Materials*, **2020**, 32, e1906995	24	76
21	Perovskite-polymer composite cross-linker approach for highly-stable and efficient perovskite solar cells. *Nature Communications*, **2019**, 10, 520	17.4	262
20	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	16.4	233
19	2D perovskite stabilized phase-pure formamidinium perovskite solar cells. *Nature Communications*, **2018**, 9, 3021	17.4	407
18	The role of grain boundaries in perovskite solar cells. *Materials Today Energy*, **2018**, 7, 149-160	7	149
17	Rationally Induced Interfacial Dipole in Planar Heterojunction Perovskite Solar Cells for Reduced JV Hysteresis. *Advanced Energy Materials*, **2018**, 8, 1800568	21.8	19
16	Halide Perovskites for Tandem Solar Cells. *Journal of Physical Chemistry Letters*, **2017**, 8, 1999-2011	6.4	41
15	The Emergence of the Mixed Perovskites and Their Applications as Solar Cells. *Advanced Energy Materials*, **2017**, 7, 1700491	21.8	103
14	Tailoring the Interfacial Chemical Interaction for High-Efficiency Perovskite Solar Cells. *Nano Letters* , **2017**, 17, 269-275	11.5	223
13	Polymer-modified halide perovskite films for efficient and stable planar heterojunction solar cells. *Science Advances*, **2017**, 3, e1700106	14.3	443
12	A Bifunctional Lewis Base Additive for Microscopic Homogeneity in Perovskite Solar Cells. *CheM*, **2017**, 3, 290-302	16.2	232
11	Improved air stability of perovskite solar cells via solution-processed metal oxide transport layers. *Nature Nanotechnology*, **2016**, 11, 75-81	28.7	1614
10	Morphology Evolution of High Efficiency Perovskite Solar Cells via Vapor Induced Intermediate Phases. *Journal of the American Chemical Society*, **2016**, 138, 15710-15716	16.4	91
9	Guanidinium: A Route to Enhanced Carrier Lifetime and Open-Circuit Voltage in Hybrid Perovskite Solar Cells. *Nano Letters*, **2016**, 16, 1009-16	11.5	400
8	Recent Progress in Materials and Devices toward Printable and Flexible Sensors. *Advanced Materials*, **2016**, 28, 4415-40	24	487
7	Electrohydrodynamically Assisted Deposition of Efficient Perovskite Photovoltaics. *Advanced Materials Interfaces*, **2016**, 3, 1500762	4.6	18
6	Electrohydrodynamic-assisted Assembly of Hierarchically Structured, 3D Crumpled Nanostructures for Efficient Solar Conversions. *Scientific Reports*, **2016**, 6, 38701	4.9	5

5	Low-Temperature TiOx Compact Layer for Planar Heterojunction Perovskite Solar Cells. *ACS Applied Materials & Interfaces*, **2016**, 8, 11076-83	9.5	91
4	Improving the TiO2 electron transport layer in perovskite solar cells using acetylacetonate-based additives. *Journal of Materials Chemistry A*, **2015**, 3, 9108-9115	13	94
3	Under the spotlight: The organic–inorganic hybrid halide perovskite for optoelectronic applications. *Nano Today*, **2015**, 10, 355-396	17.9	700
2	Multilayer Transparent Top Electrode for Solution Processed Perovskite/Cu(In,Ga)(Se,S)2 Four Terminal Tandem Solar Cells. *ACS Nano*, **2015**, 9, 7714-21	16.7	139
1	Working Mechanism for Flexible Perovskite Solar Cells with Simplified Architecture. *Nano Letters*, **2015**, 15, 6514-20	11.5	82