

# Nicholas De Marco

## List of Publications by Citations

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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	Improved air stability of perovskite solar cells via solution-processed metal oxide transport layers. <i>Nature Nanotechnology</i> , <b>2016</b> , 11, 75-81	28.7	1614
21	Under the spotlight: The organic/inorganic hybrid halide perovskite for optoelectronic applications. <i>Nano Today</i> , <b>2015</b> , 10, 355-396	17.9	700
20	Recent Progress in Materials and Devices toward Printable and Flexible Sensors. <i>Advanced Materials</i> , <b>2016</b> , 28, 4415-40	24	487
19	Polymer-modified halide perovskite films for efficient and stable planar heterojunction solar cells. <i>Science Advances</i> , <b>2017</b> , 3, e1700106	14.3	443
18	2D perovskite stabilized phase-pure formamidinium perovskite solar cells. <i>Nature Communications</i> , <b>2018</b> , 9, 3021	17.4	407
17	Guanidinium: A Route to Enhanced Carrier Lifetime and Open-Circuit Voltage in Hybrid Perovskite Solar Cells. <i>Nano Letters</i> , <b>2016</b> , 16, 1009-16	11.5	400
16	Perovskite-polymer composite cross-linker approach for highly-stable and efficient perovskite solar cells. <i>Nature Communications</i> , <b>2019</b> , 10, 520	17.4	262
15	Tuning Molecular Interactions for Highly Reproducible and Efficient Formamidinium Perovskite Solar Cells via Adduct Approach. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 6317-6324	16.4	233
14	A Bifunctional Lewis Base Additive for Microscopic Homogeneity in Perovskite Solar Cells. <i>Chem</i> , <b>2017</b> , 3, 290-302	16.2	232
13	Tailoring the Interfacial Chemical Interaction for High-Efficiency Perovskite Solar Cells. <i>Nano Letters</i> , <b>2017</b> , 17, 269-275	11.5	223
12	The role of grain boundaries in perovskite solar cells. <i>Materials Today Energy</i> , <b>2018</b> , 7, 149-160	7	149
11	Multilayer Transparent Top Electrode for Solution Processed Perovskite/Cu(In,Ga)(Se,S) <sub>2</sub> Four Terminal Tandem Solar Cells. <i>ACS Nano</i> , <b>2015</b> , 9, 7714-21	16.7	139
10	The Emergence of the Mixed Perovskites and Their Applications as Solar Cells. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1700491	21.8	103
9	Improving the TiO <sub>2</sub> electron transport layer in perovskite solar cells using acetylacetonate-based additives. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 9108-9115	13	94
8	Morphology Evolution of High Efficiency Perovskite Solar Cells via Vapor Induced Intermediate Phases. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 15710-15716	16.4	91
7	Low-Temperature TiO <sub>x</sub> Compact Layer for Planar Heterojunction Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 11076-83	9.5	91
6	Working Mechanism for Flexible Perovskite Solar Cells with Simplified Architecture. <i>Nano Letters</i> , <b>2015</b> , 15, 6514-20	11.5	82

5	Steric Impediment of Ion Migration Contributes to Improved Operational Stability of Perovskite Solar Cells. <i>Advanced Materials</i> , <b>2020</b> , 32, e1906995	24	76
4	Halide Perovskites for Tandem Solar Cells. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 1999-2011	6.4	41
3	Rationally Induced Interfacial Dipole in Planar Heterojunction Perovskite Solar Cells for Reduced $J_{sc}$ Hysteresis. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1800568	21.8	19
2	Electrohydrodynamically Assisted Deposition of Efficient Perovskite Photovoltaics. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1500762	4.6	18
1	Electrohydrodynamic-assisted Assembly of Hierarchically Structured, 3D Crumpled Nanostructures for Efficient Solar Conversions. <i>Scientific Reports</i> , <b>2016</b> , 6, 38701	4.9	5