Alessandro Lorenzo Palma

List of Publications by Year
in descending order

24 papers	1,866 citations	448610 19 h-index	721071 23 g-index
25 all docs	25 docs citations	25 times ranked	3441 citing authors

#	Article	IF	Citations
1	A Comparative Evaluation of Sustainable Binders for Environmentally Friendly Carbon-Based Supercapacitors. Nanomaterials, 2022, 12, 46.	1.9	20
2	Graphene-Based Interconnects for Stable Dye-Sensitized Solar Modules. ACS Applied Energy Materials, 2021, 4, 98-110.	2.5	9
3	Perovskite solar cells. , 2020, , 163-228.		8
4	Solution-based heteroepitaxial growth of stable mixed cation/anion hybrid perovskite thin film under ambient condition via a scalable crystal engineering approach. Nano Energy, 2020, 69, 104441.	8.2	37
5	Laserâ€Processed Perovskite Solar Cells and Modules. Solar Rrl, 2020, 4, 1900432.	3.1	34
6	Improving the Performance of Printable Carbon Electrodes by Femtosecond Laser Treatment. Journal of Carbon Research, 2020, 6, 48.	1.4	3
7	Doping Strategy for Efficient and Stable Triple Cation Hybrid Perovskite Solar Cells and Module Based on Poly(3â€hexylthiophene) Hole Transport Layer. Small, 2019, 15, e1904399.	5.2	55
8	Fabrication and Morphological Characterization of High-Efficiency Blade-Coated Perovskite Solar Modules. ACS Applied Materials & Interfaces, 2019, 11, 25195-25204.	4.0	53
9	Two-Dimensional Material Interface Engineering for Efficient Perovskite Large-Area Modules. ACS Energy Letters, 2019, 4, 1862-1871.	8.8	125
10	CVD-graphene/graphene flakes dual-films as advanced DSSC counter electrodes. 2D Materials, 2019, 6, 035007.	2.0	23
11	Efficient fully laser-patterned flexible perovskite modules and solar cells based on low-temperature solution-processed SnO2/mesoporous-TiO2 electron transport layers. Nano Research, 2018, 11, 2669-2681.	5.8	116
12	Sprayed organic photovoltaic cells and mini-modules based on chemical vapor deposited graphene as transparent conductive electrode. Carbon, 2018, 129, 878-883.	5.4	41
13	Low temperature, solution-processed perovskite solar cells and modules with an aperture area efficiency of 11%. Solar Energy Materials and Solar Cells, 2018, 185, 136-144.	3.0	49
14	Graphene Interface Engineering for Perovskite Solar Modules: 12.6% Power Conversion Efficiency over 50 cm² Active Area. ACS Energy Letters, 2017, 2, 279-287.	8.8	196
15	Laser-Patterning Engineering for Perovskite Solar Modules With 95% Aperture Ratio. IEEE Journal of Photovoltaics, 2017, 7, 1674-1680.	1.5	116
16	Laser-patterned functionalized CVD-graphene as highly transparent conductive electrodes for polymer solar cells. Nanoscale, 2017, 9, 62-69.	2.8	50
17	High efficiency photovoltaic module based on mesoscopic organometal halide perovskite. Progress in Photovoltaics: Research and Applications, 2016, 24, 436-445.	4.4	112
18	Laser Processing in the Manufacture of Dyeâ€Sensitized and Perovskite Solar Cell Technologies. ChemElectroChem, 2016, 3, 9-30.	1.7	67

#	Article	IF	Citations
19	Mesoscopic Perovskite Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2016, 8, 26989-26997.	4.0	44
20	Hybrid perovskite as substituent of indium and gallium in light emitting diodes. Physica Status Solidi C: Current Topics in Solid State Physics, 2016, 13, 958-961.	0.8	5
21	Reduced graphene oxide as efficient and stable hole transporting material in mesoscopic perovskite solar cells. Nano Energy, 2016, 22, 349-360.	8.2	166
22	Vertical TiO₂ Nanorods as a Medium for Stable and High-Efficiency Perovskite Solar Modules. ACS Nano, 2015, 9, 8420-8429.	7.3	174
23	Solid state perovskite solar modules by vacuum-vapor assisted sequential deposition on Nd:YVO₄ laser patterned rutile TiO₂ nanorods. Nanotechnology, 2015, 26, 494002.	1.3	26
24	Perovskite solar cells and large area modules (100Âcm 2) based on an air flow-assisted PbI 2 blade coating deposition process. Journal of Power Sources, 2015, 277, 286-291.	4.0	332