

Pablo Romero-Gomez

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

914
citations

516710

16
h-index

580821

25
g-index

29
all docs

29
docs citations

29
times ranked

1835
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth of nanowire arrays from micron-feature templates. <i>Nanotechnology</i> , 2019, 30, 285302.	2.6	1
2	Oxide Layers in Organic Solar Cells for an Optimal Photon Management. , 2018, , 481-499.		0
3	Anisotropic-Strain-Induced Band Gap Engineering in Nanowire-Based Quantum Dots. <i>Nano Letters</i> , 2018, 18, 2393-2401.	9.1	10
4	Plasmonic Photodetectors. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018, 24, 1-13.	2.9	88
5	Photophysics behind highly luminescent two-dimensional hybrid perovskite (CH ₃ (CH ₂) ₂ NH ₃) ₂ (CH ₃ NH ₃) ₂ Pb ₃ Br ₁₀ thin films. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6216-6221.	5.5	12
6	Surface Defect Passivation of Silicon Micropillars. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800865.	3.7	7
7	A Two-Resonance Tapping Cavity for an Optimal Light Trapping in Thin-Film Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1700356.	19.5	29
8	Nanoparticle Assisted Mechanical Delamination for Freestanding High Performance Organic Devices. <i>Advanced Functional Materials</i> , 2017, 27, 1602969.	14.9	2
9	Intermittent chaos for ergodic light trapping in a photonic fiber plate. <i>Light: Science and Applications</i> , 2016, 5, e16216-e16216.	16.6	17
10	UV-Induced Oxygen Removal for Photostable, High-Efficiency PTB7-Th:PC ₇₁ BM Photovoltaic Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 28750-28756.	8.0	17
11	Monitoring degradation mechanisms in PTB7:PC ₇₁ BM photovoltaic cells by means of impedance spectroscopy. <i>Solar Energy Materials and Solar Cells</i> , 2016, 144, 422-428.	6.2	54
12	Enhanced stability in semi-transparent PTB7/PC ₇₁ BM photovoltaic cells. <i>Solar Energy Materials and Solar Cells</i> , 2015, 137, 44-49.	6.2	43
13	Semi-transparent polymer solar cells. <i>Journal of Photonics for Energy</i> , 2015, 5, 057212.	1.3	22
14	One-Dimensional Photonic Crystals for Light Management in Organic Solar Cells. , 2015, , 303-320.		2
15	4-Terminal Tandem Photovoltaic Cell Using Two Layers of PTB7:PC ₇₁ BM for Optimal Light Absorption. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 18435-18440.	8.0	9
16	Enhanced Light Harvesting in Semitransparent Organic Solar Cells using an Optical Metal Cavity Configuration. <i>Advanced Energy Materials</i> , 2015, 5, 1400614.	19.5	55
17	Plasma Deposition of Superhydrophobic Ag@TiO ₂ Core@shell Nanorods on Processable Substrates. <i>Plasma Processes and Polymers</i> , 2014, 11, 164-174.	3.0	8
18	Oxygen Optical Sensing in Gas and Liquids with Nanostructured ZnO Thin Films Based on Exciton Emission Detection. <i>Journal of Physical Chemistry C</i> , 2014, 118, 9852-9859.	3.1	48

#	ARTICLE	IF	CITATIONS
19	Light coupling into the Whispering Gallery Modes of a fiber array thin film solar cell for fixed partial Sun tracking. Scientific Reports, 2014, 4, .	3.3	29
20	Transparent polymer solar cells employing a layered light-trapping architecture. Nature Photonics, 2013, 7, 995-1000.	31.4	267
21	Enhancement of visible light-induced surface photo-activity of nanostructured Nâ€“TiO2 thin films modified by ion implantation. Chemical Physics Letters, 2013, 582, 95-99.	2.6	12
22	Superhydrophobic supported Ag-NPs@ZnO-nanorods with photoactivity in the visible range. Journal of Materials Chemistry, 2012, 22, 1341-1346.	6.7	41
23	Optical interference for the matching of the external and internal quantum efficiencies in organic photovoltaic cells. Solar Energy Materials and Solar Cells, 2012, 104, 87-91.	6.2	32
24	Supported plasma-made 1D heterostructures: perspectives and applications. Journal Physics D: Applied Physics, 2011, 44, 174016.	2.8	11
25	Enhanced Photoactivity in Bilayer Films with Buried Rutileâ€“Anatase Heterojunctions. ChemPhysChem, 2011, 12, 191-196.	2.1	23
26	Improved non-covalent biofunctionalization of multi-walled carbon nanotubes using carbohydrate amphiphiles with a butterfly-like polyaromatic tail. Nano Research, 2010, 3, 764-778.	10.4	44
27	Tunable Nanostructure and Photoluminescence of Columnar ZnO Films Grown by Plasma Deposition. Journal of Physical Chemistry C, 2010, 114, 20932-20940.	3.1	30
28	Plasma Deposition of N-TiO2 Thin Films. , 0, , 349-356.		1