

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	Transparent polymer solar cells employing a layered light-trapping architecture. <i>Nature Photonics</i> , 2013, 7, 995-1000.	31.4	267
2	Plasmonic Photodetectors. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018, 24, 1-13.	2.9	88
3	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
4	Monitoring degradation mechanisms in PTB7:PC71BM photovoltaic cells by means of impedance spectroscopy. <i>Solar Energy Materials and Solar Cells</i> , 2016, 144, 422-428.	6.2	54
5	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
6	Improved non-covalent biofunctionalization of multi-walled carbon nanotubes using carbohydrate amphiphiles with a butterfly-like polyaromatic tail. <i>Nano Research</i> , 2010, 3, 764-778.	10.4	44
7	Enhanced stability in semi-transparent PTB7/PC71BM photovoltaic cells. <i>Solar Energy Materials and Solar Cells</i> , 2015, 137, 44-49.	6.2	43
8	Superhydrophobic supported Ag-NPs@ZnO-nanorods with photoactivity in the visible range. <i>Journal of Materials Chemistry</i> , 2012, 22, 1341-1346.	6.7	41
9	Optical interference for the matching of the external and internal quantum efficiencies in organic photovoltaic cells. <i>Solar Energy Materials and Solar Cells</i> , 2012, 104, 87-91.	6.2	32
10	Tunable Nanostructure and Photoluminescence of Columnar ZnO Films Grown by Plasma Deposition. <i>Journal of Physical Chemistry C</i> , 2010, 114, 20932-20940.	3.1	30
11	Light coupling into the Whispering Gallery Modes of a fiber array thin film solar cell for fixed partial Sun tracking. <i>Scientific Reports</i> , 2014, 4, .	3.3	29
12	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
13	Enhanced Photoactivity in Bilayer Films with Buried Rutile-Anatase Heterojunctions. <i>ChemPhysChem</i> , 2011, 12, 191-196.	2.1	23
14	Semi-transparent polymer solar cells. <i>Journal of Photonics for Energy</i> , 2015, 5, 057212.	1.3	22
15	Intermittent chaos for ergodic light trapping in a photonic fiber plate. <i>Light: Science and Applications</i> , 2016, 5, e16216-e16216.	16.6	17
16	UV-Induced Oxygen Removal for Photostable, High-Efficiency PTB7-Th:PC71BM Photovoltaic Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 28750-28756.	8.0	17
17	Enhancement of visible light-induced surface photo-activity of nanostructured TiO_2 thin films modified by ion implantation. <i>Chemical Physics Letters</i> , 2013, 582, 95-99.	2.6	12
18	Photophysics behind highly luminescent two-dimensional hybrid perovskite $(\text{CH}_3(\text{CH}_2)_2\text{NH}_3)_2(\text{CH}_3\text{NH}_3)_2\text{Pb}_3\text{Br}_{10}$ thin films. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6216-6221.	5.5	12

#	ARTICLE	IF	CITATIONS
19	Supported plasma-made 1D heterostructures: perspectives and applications. Journal Physics D: Applied Physics, 2011, 44, 174016.	2.8	11
20	Anisotropic-Strain-Induced Band Gap Engineering in Nanowire-Based Quantum Dots. Nano Letters, 2018, 18, 2393-2401.	9.1	10
21	4-Terminal Tandem Photovoltaic Cell Using Two Layers of PTB7:PC ₇₁ BM for Optimal Light Absorption. ACS Applied Materials & Interfaces, 2015, 7, 18435-18440.	8.0	9
22	Plasma Deposition of Superhydrophobic Ag@TiO ₂ Core@shell Nanorods on Processable Substrates. Plasma Processes and Polymers, 2014, 11, 164-174.	3.0	8
23	Surface Defect Passivation of Silicon Micropillars. Advanced Materials Interfaces, 2018, 5, 1800865.	3.7	7
24	One-Dimensional Photonic Crystals for Light Management in Organic Solar Cells. , 2015, , 303-320.		2
25	Nanoparticle Assisted Mechanical Delamination for Freestanding High Performance Organic Devices. Advanced Functional Materials, 2017, 27, 1602969.	14.9	2
26	Growth of nanowire arrays from micron-feature templates. Nanotechnology, 2019, 30, 285302.	2.6	1
27	Plasma Deposition of N-TiO ₂ Thin Films. , 0, , 349-356.		1
28	Oxide Layers in Organic Solar Cells for an Optimal Photon Management. , 2018, , 481-499.		0