

Elisa Palacios-Lidon

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2771031/publications.pdf>

Version: 2024-02-01

48
papers

1,153
citations

471061

17
h-index

395343

33
g-index

48
all docs

48
docs citations

48
times ranked

1523
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical study of the pseudogap in thickness and orientation controlled artificial opals. Physical Review B, 2003, 68, .	1.1	188
2	Engineered Planar Defects Embedded in Opals. Advanced Materials, 2004, 16, 341-345.	11.1	143
3	The Role of Intermolecular and Molecule-Substrate Interactions in the Stability of Alkanethiol Nonsaturated Phases on Au(111). Journal of the American Chemical Society, 2004, 126, 385-395.	6.6	72
4	Polarity Effects on ZnO Films Grown along the Nonpolar[112̂0]Direction. Physical Review Letters, 2005, 95, 226105.	2.9	63
5	Self-assembly approach to optical metamaterials. Journal of Optics, 2005, 7, S244-S254.	1.5	56
6	Formation and Rupture of Schottky Nanocontacts on ZnO Nanocolumns. Nano Letters, 2007, 7, 1505-1511.	4.5	54
7	Optical and morphological study of disorder in opals. Journal of Applied Physics, 2005, 97, 063502.	1.1	53
8	Optical study of the full photonic band gap in silicon inverse opals. Applied Physics Letters, 2002, 81, 4925-4927.	1.5	49
9	Facets evolution and surface electrical properties of nonpolar m-plane ZnO thin films. Applied Physics Letters, 2006, 88, 261912.	1.5	45
10	Kelvin Probe Force Microscopy in Surface Chemistry: Reactivity of Pd Nanoparticles on Highly Oriented Pyrolytic Graphite. ACS Catalysis, 2014, 4, 1838-1844.	5.5	29
11	Quantitative electrostatic force microscopy on heterogeneous nanoscale samples. Applied Physics Letters, 2005, 87, 154106.	1.5	27
12	Domain formation by a Rhodococcus sp. biosurfactant trehalose lipid incorporated into phosphatidylcholine membranes. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 2596-2604.	1.4	27
13	Enhancing dynamic scanning force microscopy in air: as close as possible. Nanotechnology, 2009, 20, 085707.	1.3	27
14	Nanoscale Characterization of the Morphology and Electrostatic Properties of Poly(3-octylthiophene)/Graphite-Nanoparticle Blends. Advanced Functional Materials, 2006, 16, 1975-1984.	7.8	25
15	Contrast inversion in non-contact Dynamic Scanning Force Microscopy: What is high and what is low?. Ultramicroscopy, 2010, 110, 789-800.	0.8	22
16	Quantitative analysis of tip-sample interaction in non-contact scanning force spectroscopy. Nanotechnology, 2006, 17, 5491-5500.	1.3	19
17	Co-Solvent Effect in the Processing of the Perovskite:Fullerene Blend Films for Electron Transport Layer-Free Solar Cells. Journal of Physical Chemistry C, 2018, 122, 2512-2520.	1.5	19
18	Modification of the Natural Photonic Bandgap of Synthetic Opals via Infilling with Crystalline InP. Advanced Functional Materials, 2005, 15, 411-417.	7.8	18

#	ARTICLE	IF	CITATIONS
19	Unravelling fullerene-perovskite interactions introduces advanced blend films for performance-improved solar cells. <i>Sustainable Energy and Fuels</i> , 2019, 3, 2779-2787.	2.5	16
20	Design of photonic bands for opal-based photonic crystals. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2004, 2, 117-125.	1.0	15
21	Layered self-organized structures on poly(3-octylthiophene) thin films studied by scanning probe microscopy. <i>European Polymer Journal</i> , 2008, 44, 2506-2515.	2.6	14
22	Surface potential domains on lamellar P3OT structures. <i>Nanotechnology</i> , 2008, 19, 065709.	1.3	14
23	Wavelength dependence of nanoscale photodegradation in poly(3-octylthiophene) thin films. <i>Polymer Degradation and Stability</i> , 2011, 96, 1279-1285.	2.7	14
24	Charge distribution from SKPM images. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 27299-27304.	1.3	14
25	Thermal frequency noise in dynamic scanning force microscopy. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	13
26	Anisotropic chemical etching of semipolar $\{10\bar{1}0\}$ ZnO crystallographic planes: polarity versus dangling bonds. <i>Nanotechnology</i> , 2009, 20, 065701.	1.3	11
27	Nanoscale surface photovoltage of organic semiconductors with two pass Kelvin probe microscopy. <i>Nanotechnology</i> , 2011, 22, 375704.	1.3	11
28	Conducting polymers as electron glasses: surface charge domains and slow relaxation. <i>Scientific Reports</i> , 2016, 6, 21647.	1.6	10
29	Localized charge imaging with scanning Kelvin probe microscopy. <i>Nanotechnology</i> , 2017, 28, 025703.	1.3	10
30	TEM-assisted dynamic scanning force microscope imaging of (001) antigorite: Surfaces and steps on a modulated silicate. <i>American Mineralogist</i> , 2010, 95, 673-685.	0.9	8
31	Photobleaching of MEH-PPV thin films: Correlation between optical properties and the nanoscale surface photovoltage. <i>Solar Energy Materials and Solar Cells</i> , 2013, 117, 15-21.	3.0	8
32	Nanoscale determination of surface orientation and electrostatic properties of ZnO thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 88, 77-82.	1.1	7
33	Nanoscale Electro-Optical Properties of Organic Semiconducting Thin Films: From Individual Materials to the Blend. <i>Journal of Physical Chemistry C</i> , 2012, 116, 17919-17927.	1.5	7
34	Face-Selective Etching of ZnO during Attachment of Dyes. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18414-18422.	1.5	7
35	Nanophotoactivity of Porphyrin Functionalized Polycrystalline ZnO Films. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 16783-16790.	4.0	7
36	Localized charges in thin films by Kelvin probe force microscopy: From single to multiple charges. <i>Physical Review B</i> , 2020, 101, .	1.1	6

#	ARTICLE	IF	CITATIONS
37	Nanogoniometry with Scanning Force Microscopy: A Model Study of CdTe Thin Films. <i>Small</i> , 2007, 3, 474-480.	5.2	5
38	Electronic and structural properties of poly-(3-octylthiophene) and graphitic nanoparticle blends. <i>EPJ Applied Physics</i> , 2007, 37, 283-286.	0.3	4
39	Nanoscale J-aggregates of poly(3-hexylthiophene): key to electronic interface interactions with graphene oxide as revealed by KPFM. <i>Nanoscale</i> , 2019, 11, 11202-11208.	2.8	4
40	Photonic band gap properties of GaP opals with a new topology. <i>Applied Physics B: Lasers and Optics</i> , 2005, 81, 205-208.	1.1	3
41	Charging of highly resistive granular metal films. <i>Physical Review B</i> , 2017, 95, .	1.1	3
42	Nanoscale Charge Density and Dynamics in Graphene Oxide. , 2021, 3, 1826-1831.		3
43	Photonic slab heterostructures based on opals. , 2004, 5450, 1.		1
44	Surface characterization of P3OT thin films by variable temperature scanning force microscopy. <i>Synthetic Metals</i> , 2011, 161, 1651-1659.	2.1	1
45	Response to the "Comment on "Thermal frequency noise in dynamic scanning force microscopy" [J. Appl. Phys. 110, 036107 (2011)]. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	1
46	Materials aspects of opals as photonic crystals. , 0, , .		0
47	Optical and morphological study of compound polymer opals. , 2004, , .		0
48	Kelvin Probe Microscopy Investigation of Poly-Octylthiophene Aggregates. <i>Materials</i> , 2022, 15, 1212.	1.3	0