

Eduardo D MartÃ- nez

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

602
citations

687363

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29
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29
docs citations

29
times ranked

835
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyperspectral imaging thermometry assisted by upconverting nanoparticles: Experimental artifacts and accuracy. <i>Physica B: Condensed Matter</i> , 2022, 629, 413639.	2.7	10
2	Thermal enhancement of upconversion emission in nanocrystals: a comprehensive summary. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 20-42.	2.8	43
3	Controlling the thermal switching in upconverting nanoparticles through surface chemistry. <i>Nanoscale</i> , 2021, 13, 16267-16276.	5.6	7
4	Recent Advances on Nanocomposite Resists With Design Functionality for Lithographic Microfabrication. <i>Frontiers in Materials</i> , 2021, 8, .	2.4	7
5	Integrating photoluminescent nanomaterials with photonic nanostructures. <i>Journal of Luminescence</i> , 2021, 233, 117870.	3.1	10
6	Synthesis, characterization, and incorporation of upconverting nanoparticles into a dental adhesive. <i>Brazilian Oral Research</i> , 2021, 35, e120.	1.4	1
7	Probing Surface Effects on Er^{3+} - NaYF_4 Nanoparticles by Nuclear Magnetic Resonance. <i>Journal of Physical Chemistry C</i> , 2020, 124, 9523-9535.	3.1	4
8	Thermoplasmonic Maskless Lithography on Upconverting Nanocomposites Assisted by Gold Nanostars. <i>ACS Applied Nano Materials</i> , 2019, 2, 6889-6897.	5.0	10
9	Upconversion Nanocomposite Materials With Designed Thermal Response for Optoelectronic Devices. <i>Frontiers in Chemistry</i> , 2019, 7, 83.	3.6	22
10	Self-Calibrated Double Luminescent Thermometers Through Upconverting Nanoparticles. <i>Frontiers in Chemistry</i> , 2019, 7, 267.	3.6	34
11	Electrochromic Switch Devices Mixing Small and Large Sized Upconverting Nanocrystals. <i>Advanced Functional Materials</i> , 2019, 29, 1807758.	14.9	69
12	Microscopic Electrochemical Control of Ag Nanoparticles into Mesoporous TiO_2 Thin Films. <i>Journal of Physical Chemistry C</i> , 2019, 123, 3579-3587.	3.1	6
13	Electrothermal silver nanowire thin films for In-Situ observation of thermally-driven chemical processes. <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 475-483.	7.8	12
14	Thermoplasmonic enhancement of upconversion in small-size doped NaGd(Y)F_4 nanoparticles coupled to gold nanostars. <i>Nanoscale</i> , 2018, 10, 14687-14696.	5.6	17
15	Magnetic Gold Confined in Ordered Mesoporous Titania Thin Films: A Noble Approach for Magnetic Devices. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 965-971.	8.0	7
16	Crystal-field effects in Er^{3+} - and Yb^{3+} -doped hexagonal NaYF_4 nanoparticles. <i>Physical Chemistry Letters</i> , 2017, 8, 111-114.	3.2	12
17	Tethering Luminescent Thermometry and Plasmonics: Light Manipulation to Assess Real-Time Thermal Flow in Nanoarchitectures. <i>Nano Letters</i> , 2017, 17, 4746-4752.	9.1	50
18	Topographical and Physicochemical Contrast in Photopatterned SU-8 Films for Microfabrication of Multilayer Structures. <i>Advances in Materials Science and Engineering</i> , 2016, 2016, 1-7.	1.8	2

#	ARTICLE	IF	CITATIONS
19	Silver nanowires in poly(methyl methacrylate) as a conductive nanocomposite for microfabrication. Flexible and Printed Electronics, 2016, 1, 035003.	2.7	16
20	Three-Dimensional Electrochemical Lithography in Mesoporous TiO ₂ Thin Films. Journal of Physical Chemistry C, 2015, 119, 28954-28960.	3.1	5
21	Confinement-Induced Growth of Au Nanoparticles Entrapped in Mesoporous TiO ₂ Thin Films Evidenced by in Situ Thermo-Ellipsometry. Journal of Physical Chemistry C, 2014, 118, 13137-13151.	3.1	30
22	Silver Nanoparticle-Mesoporous Oxide Nanocomposite Thin Films: A Platform for Spatially Homogeneous SERS-Active Substrates with Enhanced Stability. ACS Applied Materials & Interfaces, 2014, 6, 5263-5272.	8.0	54
23	Optical Properties of Au Nanoparticles Included in Mesoporous TiO ₂ Thin Films: A Dual Experimental and Modeling Study. Journal of Physical Chemistry C, 2013, 117, 7246-7259.	3.1	39
24	Mesoporous Thin Films of TiO ₂ on Attenuated Total Reflection Crystals. An In Situ Fourier-Transform Infrared Study of the Kinetics and Equilibrium of Adsorption and Photocatalysis of Carboxylic Acids. Journal of Physical Chemistry C, 2013, 117, 15026-15034.	3.1	11
25	Time evolution of surface speciation during heterogeneous photocatalysis: Gallic acid on titanium dioxide. Applied Catalysis B: Environmental, 2012, 125, 215-221.	20.2	10
26	Mesoporous hybrid and nanocomposite thin films. A sol-gel toolbox to create nanoconfined systems with localized chemical properties. Journal of Sol-Gel Science and Technology, 2011, 57, 299-312.	2.4	49
27	Electrical conductivity in patterned silver-mesoporous titania nanocomposite thin films: towards robust 3D nano-electrodes. Physical Chemistry Chemical Physics, 2010, 12, 14445.	2.8	21
28	Patterned Production of Silver-Mesoporous Titania Nanocomposite Thin Films Using Lithography-Assisted Metal Reduction. ACS Applied Materials & Interfaces, 2009, 1, 746-749.	8.0	43