

Eduardo D MartÃ- nez

List of Publications by Year in descending order

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28
papers

602
citations

686830

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29
all docs

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docs citations

29
times ranked

835
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochromic Switch Devices Mixing Small and Large Sized Upconverting Nanocrystals. <i>Advanced Functional Materials</i> , 2019, 29, 1807758.	7.8	69
2	Silver Nanoparticle-Mesoporous Oxide Nanocomposite Thin Films: A Platform for Spatially Homogeneous SERS-Active Substrates with Enhanced Stability. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 5263-5272.	4.0	54
3	Tethering Luminescent Thermometry and Plasmonics: Light Manipulation to Assess Real-Time Thermal Flow in Nanoarchitectures. <i>Nano Letters</i> , 2017, 17, 4746-4752.	4.5	50
4	Mesoporous hybrid and nanocomposite thin films. A sol-gel toolbox to create nanoconfined systems with localized chemical properties. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 57, 299-312.	1.1	49
5	Patterned Production of Silver Mesoporous Titania Nanocomposite Thin Films Using Lithography-Assisted Metal Reduction. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 746-749.	4.0	43
6	Thermal enhancement of upconversion emission in nanocrystals: a comprehensive summary. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 20-42.	1.3	43
7	Optical Properties of Au Nanoparticles Included in Mesoporous TiO ₂ Thin Films: A Dual Experimental and Modeling Study. <i>Journal of Physical Chemistry C</i> , 2013, 117, 7246-7259.	1.5	39
8	Self-Calibrated Double Luminescent Thermometers Through Upconverting Nanoparticles. <i>Frontiers in Chemistry</i> , 2019, 7, 267.	1.8	34
9	Confinement-Induced Growth of Au Nanoparticles Entrapped in Mesoporous TiO ₂ Thin Films Evidenced by in Situ Thermo-Ellipsometry. <i>Journal of Physical Chemistry C</i> , 2014, 118, 13137-13151.	1.5	30
10	Upconversion Nanocomposite Materials With Designed Thermal Response for Optoelectronic Devices. <i>Frontiers in Chemistry</i> , 2019, 7, 83.	1.8	22
11	Electrical conductivity in patterned silver mesoporous titania nanocomposite thin films: towards robust 3D nano-electrodes. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 14445.	1.3	21
12	Thermoplasmonic enhancement of upconversion in small-size doped NaGd(Y)F ₄ nanoparticles coupled to gold nanostars. <i>Nanoscale</i> , 2018, 10, 14687-14696.	2.8	17
13	Silver nanowires in poly(methyl methacrylate) as a conductive nanocomposite for microfabrication. <i>Flexible and Printed Electronics</i> , 2016, 1, 035003.	1.5	16
14	Crystal-field effects in Er^{3+} - and Yb^{3+} -doped hexagonal NaYF_4 nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 12111-12120.	1.2	12
15	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.	4.0	12
16	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. <i>Journal of Physical Chemistry C</i> , 2013, 117, 15026-15034.	1.5	11
17	Time evolution of surface speciation during heterogeneous photocatalysis: Gallic acid on titanium dioxide. <i>Applied Catalysis B: Environmental</i> , 2012, 125, 215-221.	10.8	10
18	Thermoplasmonic Maskless Lithography on Upconverting Nanocomposites Assisted by Gold Nanostars. <i>ACS Applied Nano Materials</i> , 2019, 2, 6889-6897.	2.4	10

#	ARTICLE	IF	CITATIONS
19	Integrating photoluminescent nanomaterials with photonic nanostructures. Journal of Luminescence, 2021, 233, 117870.	1.5	10
20	Hyperspectral imaging thermometry assisted by upconverting nanoparticles: Experimental artifacts and accuracy. Physica B: Condensed Matter, 2022, 629, 413639.	1.3	10
21	Magnetic Gold Confined in Ordered Mesoporous Titania Thin Films: A Noble Approach for Magnetic Devices. ACS Applied Materials & Interfaces, 2017, 9, 965-971.	4.0	7
22	Controlling the thermal switching in upconverting nanoparticles through surface chemistry. Nanoscale, 2021, 13, 16267-16276.	2.8	7
23	Recent Advances on Nanocomposite Resists With Design Functionality for Lithographic Microfabrication. Frontiers in Materials, 2021, 8, .	1.2	7
24	Microscopic Electrochemical Control of Ag Nanoparticles into Mesoporous TiO ₂ Thin Films. Journal of Physical Chemistry C, 2019, 123, 3579-3587.	1.5	6
25	Three-Dimensional Electrochemical Lithography in Mesoporous TiO ₂ Thin Films. Journal of Physical Chemistry C, 2015, 119, 28954-28960.	1.5	5
26	Probing Surface Effects on NaYF_4 Nanoparticles by Nuclear Magnetic Resonance. Journal of Physical Chemistry C, 2020, 124, 9523-9535.	1.5	4
27	Topographical and Physicochemical Contrast in Photopatterned SU-8 Films for Microfabrication of Multilayer Structures. Advances in Materials Science and Engineering, 2016, 2016, 1-7.	1.0	2
28	Synthesis, characterization, and incorporation of upconverting nanoparticles into a dental adhesive. Brazilian Oral Research, 2021, 35, e120.	0.6	1