Eduardo D MartÃ-nez

List of Publications by Year
in descending order

28	602	686830 13	610482 24
papers	citations	h-index	g-index

29	29	29	835
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hyperspectral imaging thermometry assisted by upconverting nanoparticles: Experimental artifacts and accuracy. Physica B: Condensed Matter, 2022, 629, 413639.	1.3	10
2	Thermal enhancement of upconversion emission in nanocrystals: a comprehensive summary. Physical Chemistry Chemical Physics, 2021, 23, 20-42.	1.3	43
3	Controlling the thermal switching in upconverting nanoparticles through surface chemistry. Nanoscale, 2021, 13, 16267-16276.	2.8	7
4	Recent Advances on Nanocomposite Resists With Design Functionality for Lithographic Microfabrication. Frontiers in Materials, 2021, 8, .	1.2	7
5	Integrating photoluminescent nanomaterials with photonic nanostructures. Journal of Luminescence, 2021, 233, 117870.	1.5	10
6	Synthesis, characterization, and incorporation of upconverting nanoparticles into a dental adhesive. Brazilian Oral Research, 2021, 35, e120.	0.6	1
7	Probing Surface Effects on Î±-NaYF₄ Nanoparticles by Nuclear Magnetic Resonance. Journal of Physical Chemistry C, 2020, 124, 9523-9535.	1.5	4
8	Thermoplasmonic Maskless Lithography on Upconverting Nanocomposites Assisted by Gold Nanostars. ACS Applied Nano Materials, 2019, 2, 6889-6897.	2.4	10
9	Upconversion Nanocomposite Materials With Designed Thermal Response for Optoelectronic Devices. Frontiers in Chemistry, 2019, 7, 83.	1.8	22
10	Self-Calibrated Double Luminescent Thermometers Through Upconverting Nanoparticles. Frontiers in Chemistry, 2019, 7, 267.	1.8	34
11	Electrochromic Switch Devices Mixing Smallâ€•and Largeâ€Sized Upconverting Nanocrystals. Advanced Functional Materials, 2019, 29, 1807758.	7.8	69
12	Microscopic Electrochemical Control of Ag Nanoparticles into Mesoporous TiO₂ Thin Films. Journal of Physical Chemistry C, 2019, 123, 3579-3587.	1.5	6
13	Electrothermal silver nanowire thin films for In-Situ observation of thermally-driven chemical processes. Sensors and Actuators B: Chemical, 2018, 259, 475-483.	4.0	12
14	Thermoplasmonic enhancement of upconversion in small-size doped NaGd(Y)F₄ nanoparticles coupled to gold nanostars. Nanoscale, 2018, 10, 14687-14696.	2.8	17
15	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
16	Crystal-field effects in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:mi>Er</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math> - and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:mi>Yb</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math> -doped hexagonal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>NaYF</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>. Physical Revie	3.7	12
17	Tethering Luminescent Thermometry and Plasmonics: Light Manipulation to Assess Real-Time Thermal Flow in Nanoarchitectures. Nano Letters, 2017, 17, 4746-4752.	4.5	50
18	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

#	Article	IF	Citations
19	Silver nanowires in poly(methyl methacrylate) as a conductive nanocomposite for microfabrication. Flexible and Printed Electronics, 2016, 1, 035003.	1.5	16
20	Three-Dimensional Electrochemical Lithography in Mesoporous TiO₂ Thin Films. Journal of Physical Chemistry C, 2015, 119, 28954-28960.	1.5	5
21	Confinement-Induced Growth of Au Nanoparticles Entrapped in Mesoporous TiO2 Thin Films Evidenced by in Situ Thermo-Ellipsometry. Journal of Physical Chemistry C, 2014, 118, 13137-13151.	1.5	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.	4.0	54
23	Optical Properties of Au Nanoparticles Included in Mesoporous TiO₂ Thin Films: A Dual Experimental and Modeling Study. Journal of Physical Chemistry C, 2013, 117, 7246-7259.	1.5	39
24	Mesoporous Thin Films of TiO2 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.	1.5	11
25	Time evolution of surface speciation during heterogeneous photocatalysis: Gallic acid on titanium dioxide. Applied Catalysis B: Environmental, 2012, 125, 215-221.	10.8	10
26	Mesoporous hybrid and nanocomposite thin films. A solâ€“gel toolbox to create nanoconfined systems with localized chemical properties. Journal of Sol-Gel Science and Technology, 2011, 57, 299-312.	1.1	49
27	Electrical conductivity in patterned silverâ€“mesoporous titania nanocomposite thin films: towards robust 3D nano-electrodes. Physical Chemistry Chemical Physics, 2010, 12, 14445.	1.3	21
28	Patterned Production of Silverâ^'Mesoporous Titania Nanocomposite Thin Films Using Lithography-Assisted Metal Reduction. ACS Applied Materials & Interfaces, 2009, 1, 746-749.	4.0	43