

Miguel Andrés Hernández Rodríguez

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

604
citations

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times ranked

774
citing authors

#	ARTICLE	IF	CITATIONS
1	Synergistic use of Raman and photoluminescence signals for optical thermometry with large temperature sensitivity. <i>Physica B: Condensed Matter</i> , 2022, 626, 413455.	1.3	4
2	Reprogrammable and Reconfigurable Photonic Molecular Logic Gates Based on Ln ³⁺ Ions. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	6
3	Optical Temperature Sensor Capabilities of the Green Upconverted Luminescence of Er ³⁺ in La ₃ NbO ₇ Ceramic Powders. <i>Crystals</i> , 2022, 12, 455.	1.0	3
4	A perspective on sustainable luminescent solar concentrators. <i>Journal of Applied Physics</i> , 2022, 131, .	1.1	13
5	Through-space hopping transport in an iodine-doped perylene-based metal-organic framework. <i>Molecular Systems Design and Engineering</i> , 2022, 7, 1065-1072.	1.7	2
6	1000Å optical ratiometric thermometer based on Er ³⁺ luminescence in yttrium gallium garnet. <i>Journal of Alloys and Compounds</i> , 2021, 886, 161188.	2.8	12
7	Protein Cohabitation: Improving the Photochemical Stability of R-Phycocerythrin in the Solid State. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6249-6255.	2.1	14
8	[Ga ₃ 8 Sm ₃ 2, Ga ₃ 8 Tb ₃ 2] Metallacrowns are Highly Promising Ratiometric Luminescent Molecular Nanothermometers Operating at Physiologically Relevant Temperatures. <i>Chemistry - A European Journal</i> , 2020, 26, 13792-13796.	1.7	12
9	Molecular Logic Devices: Lanthanide Luminescence to Mimic Molecular Logic and Computing through Physical Inputs (<i>Advanced Optical Materials</i> 12/2020). <i>Advanced Optical Materials</i> , 2020, 8, 2070050.	3.6	1
10	Lanthanide Luminescence to Mimic Molecular Logic and Computing through Physical Inputs. <i>Advanced Optical Materials</i> , 2020, 8, 2000312.	3.6	20
11	Bi-functional carbon-based catalysts for unitized regenerative fuel cells. <i>Journal of Catalysis</i> , 2020, 387, 138-144.	3.1	14
12	Upconversion and luminescence temperature sensitivity of Er ³⁺ ions in yttrium oxysulfate nanophosphor. <i>Optical Materials</i> , 2019, 95, 109197.	1.7	15
13	High pressure luminescence of Nd ³⁺ in YAlO ₃ perovskite nanocrystals: A crystal-field analysis. <i>Journal of Chemical Physics</i> , 2018, 148, 044201.	1.2	21
14	High pressure sensitivity of anti-Stokes fluorescence in Nd ³⁺ doped yttrium orthoaluminate nano-perovskites. <i>Journal of Luminescence</i> , 2018, 196, 20-24.	1.5	5
15	Carbon dots as temperature nanosensors in the physiological range. <i>Journal of Luminescence</i> , 2018, 196, 313-315.	1.5	18
16	Comparison of the sensitivity as optical temperature sensor of nano-perovskite doped with Nd ³⁺ ions in the first and second biological windows. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 970-976.	4.0	110
17	Lanthanide-doped Y ₃ Ga ₅ O ₁₂ garnets for nanoheating and nanothermometry in the first biological window. <i>Optical Materials</i> , 2018, 84, 46-51.	1.7	25
18	Analysis of the upconversion emission of yttrium orthoaluminate nano-perovskite co-doped with Er ³⁺ /Yb ³⁺ ions for thermal sensing applications. <i>Journal of Luminescence</i> , 2018, 202, 316-321.	1.5	14

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19	Nanoperovskite doped with Yb ³⁺ and Tm ³⁺ ions used as an optical upconversion temperature sensor. <i>Optical Materials</i> , 2018, 83, 187-191.	1.7	9
20	Spectroscopic properties of Nd ³⁺ ions in YAP nano-perovskites. <i>Journal of Luminescence</i> , 2017, 188, 204-208.	1.5	9
21	Er ³⁺ -doped tellurite glasses for enhancing a solar cell photocurrent through photon upconversion upon 1500 nm excitation. <i>Materials Chemistry and Physics</i> , 2017, 199, 67-72.	2.0	49
22	Structural, Vibrational, and Elastic Properties of Yttrium Orthoaluminate Nanoperovskite at High Pressures. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15353-15367.	1.5	13
23	Liquid whispering-gallery-mode resonator as a humidity sensor. <i>Optics Express</i> , 2017, 25, 1165.	1.7	38
24	Yttrium orthoaluminate nanoperovskite doped with Tm ³⁺ ions as upconversion optical temperature sensor in the near-infrared region. <i>Optics Express</i> , 2017, 25, 27845.	1.7	22
25	Blue up-conversion emission of Yb ³⁺ -doped langbeinite salts. <i>Optical Materials</i> , 2016, 53, 190-194.	1.7	13
26	Synthesis, structural characterization and optical study of Dy ³⁺ -doped langbeinite salts. <i>Journal of Luminescence</i> , 2016, 177, 160-165.	1.5	12
27	Synthesis, characterization and spectroscopic properties of a new Nd ³⁺ -doped Co-picromerite-type Tutton salt. <i>Journal of Luminescence</i> , 2016, 177, 93-98.	1.5	14
28	Carbon supported Ag and Ag-Co catalysts tolerant to methanol and ethanol for the oxygen reduction reaction in alkaline media. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 19789-19798.	3.8	38
29	Chemical pressure effects on the spectroscopic properties of Nd ³⁺ -doped gallium nano-garnets. <i>Optical Materials Express</i> , 2015, 5, 1661.	1.6	34
30	Experimental enhancement of the photocurrent in a solar cell using upconversion process in fluoroindate glasses exciting at 1480 nm. <i>Solar Energy Materials and Solar Cells</i> , 2013, 116, 171-175.	3.0	44