

Laura M Maestro

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

5,339
citations

236612

25
h-index

433756

31
g-index

32
all docs

32
docs citations

32
times ranked

7504
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoparticles for photothermal therapies. <i>Nanoscale</i> , 2014, 6, 9494-9530.	2.8	1,562
2	Temperature Sensing Using Fluorescent Nanothermometers. <i>ACS Nano</i> , 2010, 4, 3254-3258.	7.3	1,284
3	NIR-to-NIR Two-Photon Excited $\text{CaF}_2:\text{Tm}^{3+}, \text{Yb}^{3+}$ Nanoparticles: Multifunctional Nanoprobes for Highly Penetrating Fluorescence Bio-Imaging. <i>ACS Nano</i> , 2011, 5, 8665-8671.	7.3	381
4	Subtissue Thermal Sensing Based on Neodymium-Doped LaF_3 Nanoparticles. <i>ACS Nano</i> , 2013, 7, 1188-1199.	7.3	338
5	CdSe Quantum Dots for Two-Photon Fluorescence Thermal Imaging. <i>Nano Letters</i> , 2010, 10, 5109-5115.	4.5	276
6	High-Sensitivity Fluorescence Lifetime Thermal Sensing Based on CdTe Quantum Dots. <i>Small</i> , 2012, 8, 2652-2658.	5.2	130
7	CdTe Quantum Dots as Nanothermometers: Towards Highly Sensitive Thermal Imaging. <i>Small</i> , 2011, 7, 1774-1778.	5.2	127
8	Fluorescent nanothermometers for intracellular thermal sensing. <i>Nanomedicine</i> , 2014, 9, 1047-1062.	1.7	117
9	Large-Area, Highly Uniform Evaporated Formamidinium Lead Triiodide Thin Films for Solar Cells. <i>ACS Energy Letters</i> , 2017, 2, 2799-2804.	8.8	116
10	Heating efficiency of multi-walled carbon nanotubes in the first and second biological windows. <i>Nanoscale</i> , 2013, 5, 7882.	2.8	106
11	Water (H_2O and D_2O) Dispersible NIR-to-NIR Upconverting $\text{Yb}^{3+}/\text{Tm}^{3+}$ Doped MF_2 (M = Ca, Sr) Colloids: Influence of the Host Crystal. <i>Crystal Growth and Design</i> , 2013, 13, 4906-4913.	1.4	93
12	Quantum Dot Thermometry Evaluation of Geometry Dependent Heating Efficiency in Gold Nanoparticles. <i>Langmuir</i> , 2014, 30, 1650-1658.	1.6	85
13	Deep tissue bio-imaging using two-photon excited CdTe fluorescent quantum dots working within the biological window. <i>Nanoscale</i> , 2012, 4, 298-302.	2.8	84
14	Nanoparticles for highly efficient multiphoton fluorescence bioimaging. <i>Optics Express</i> , 2010, 18, 23544.	1.7	77
15	Quantum Dot-Based Thermal Spectroscopy and Imaging of Optically Trapped Microspheres and Single Cells. <i>Small</i> , 2013, 9, 2162-2170.	5.2	67
16	Optical trapping of $\text{NaYF}_4:\text{Er}^{3+}, \text{Yb}^{3+}$ upconverting fluorescent nanoparticles. <i>Nanoscale</i> , 2013, 5, 12192.	2.8	66
17	Near-Infrared and Short-Wavelength Infrared Photodiodes Based on Dye-Perovskite Composites. <i>Advanced Functional Materials</i> , 2017, 27, 1702485.	7.8	59
18	Fluorescent nanothermometers provide controlled plasmonic-mediated intracellular hyperthermia. <i>Nanomedicine</i> , 2013, 8, 379-388.	1.7	49

#	ARTICLE	IF	CITATIONS
19	Anisotropic lattice changes in femtosecond laser inscribed Nd ³⁺ :MgO:LiNbO ₃ optical waveguides. Journal of Applied Physics, 2009, 106, .	1.1	41
20	Fluorescent nano-particles for multi-photon thermal sensing. Journal of Luminescence, 2013, 133, 249-253.	1.5	40
21	Absorption efficiency of gold nanorods determined by quantum dot fluorescence thermometry. Applied Physics Letters, 2012, 100, 201110.	1.5	38
22	On the existence of two states in liquid water: impact on biological and nanoscopic systems. International Journal of Nanotechnology, 2016, 13, 667.	0.1	38
23	Quantum-dot based nanothermometry in optical plasmonic recording media. Applied Physics Letters, 2014, 105, 181110.	1.5	30
24	Gold nanorods for optimized photothermal therapy: the influence of irradiating in the first and second biological windows. RSC Advances, 2014, 4, 54122-54129.	1.7	29
25	Optimum quantum dot size for highly efficient fluorescence bioimaging. Journal of Applied Physics, 2012, 111, 023513.	1.1	27
26	Evaluation of rare earth doped silica sub-micrometric spheres as optically controlled temperature sensors. Journal of Applied Physics, 2012, 112, 054702.	1.1	23
27	Dielectric anomalous response of water at 60°C. Philosophical Magazine, 2015, 95, 683-690.	0.7	18
28	Extended Wavelength Responsivity of a Germanium Photodetector Integrated With a Silicon Waveguide Exploiting the Indirect Transition. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-7.	1.9	15
29	Ultrafast laser inscription of bistable and reversible waveguides in strontium barium niobate crystals. Applied Physics Letters, 2010, 96, .	1.5	10
30	Response to "Critical Growth Temperature of Aqueous CdTe Quantum Dots is Non-negligible for their Application as Nanothermometers". Small, 2013, 9, 3198-3200.	5.2	8
31	Heat in optical tweezers. Proceedings of SPIE, 2013, , .	0.8	5
32	Co-evaporated Formamidinium Lead Iodide Solar Cells. , 0, , .		0