

Laura M Maestro

List of Publications by Citations

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31
papers

4,406
citations

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h-index

32
g-index

32
ext. papers

4,893
ext. citations

7.4
avg, IF

4.96
L-index

#	Paper	IF	Citations
31	Nanoparticles for photothermal therapies. <i>Nanoscale</i> , 2014 , 6, 9494-530	7.7	1205
30	Temperature sensing using fluorescent nanothermometers. <i>ACS Nano</i> , 2010 , 4, 3254-8	16.7	1082
29	NIR-to-NIR two-photon excited CaF ₂ :Tm ³⁺ ,Yb ³⁺ nanoparticles: multifunctional nanoprobes for highly penetrating fluorescence bio-imaging. <i>ACS Nano</i> , 2011 , 5, 8665-71	16.7	342
28	Subtissue thermal sensing based on neodymium-doped LaF ₃ nanoparticles. <i>ACS Nano</i> , 2013 , 7, 1188-99	16.7	290
27	CdSe quantum dots for two-photon fluorescence thermal imaging. <i>Nano Letters</i> , 2010 , 10, 5109-15	11.5	239
26	Fluorescent nanothermometers for intracellular thermal sensing. <i>Nanomedicine</i> , 2014 , 9, 1047-62	5.6	104
25	CdTe quantum dots as nanothermometers: towards highly sensitive thermal imaging. <i>Small</i> , 2011 , 7, 1774-8	11	102
24	High-sensitivity fluorescence lifetime thermal sensing based on CdTe quantum dots. <i>Small</i> , 2012 , 8, 2652-8	10.1	101
23	Heating efficiency of multi-walled carbon nanotubes in the first and second biological windows. <i>Nanoscale</i> , 2013 , 5, 7882-9	7.7	89
22	Large-Area, Highly Uniform Evaporated Formamidinium Lead Triiodide Thin Films for Solar Cells. <i>ACS Energy Letters</i> , 2017 , 2, 2799-2804	20.1	86
21	Water (H ₂ O and D ₂ O) Dispersible NIR-to-NIR Upconverting Yb ³⁺ /Tm ³⁺ Doped MF ₂ (M = Ca, Sr) Colloids: Influence of the Host Crystal. <i>Crystal Growth and Design</i> , 2013 , 13, 4906-4913	3.5	85
20	Deep tissue bio-imaging using two-photon excited CdTe fluorescent quantum dots working within the biological window. <i>Nanoscale</i> , 2012 , 4, 298-302	7.7	75
19	Quantum dot thermometry evaluation of geometry dependent heating efficiency in gold nanoparticles. <i>Langmuir</i> , 2014 , 30, 1650-8	4	72
18	Nanoparticles for highly efficient multiphoton fluorescence bioimaging. <i>Optics Express</i> , 2010 , 18, 23544-53	3.3	70
17	Quantum dot-based thermal spectroscopy and imaging of optically trapped microspheres and single cells. <i>Small</i> , 2013 , 9, 2162-70	11	63
16	Optical trapping of NaYF ₄ :Er ³⁺ ,Yb ³⁺ upconverting fluorescent nanoparticles. <i>Nanoscale</i> , 2013 , 5, 12192-7	7.7	50
15	Fluorescent nanothermometers provide controlled plasmonic-mediated intracellular hyperthermia. <i>Nanomedicine</i> , 2013 , 8, 379-88	5.6	47

14	Near-Infrared and Short-Wavelength Infrared Photodiodes Based on DyePerovskite Composites. <i>Advanced Functional Materials</i> , 2017 , 27, 1702485	15.6	43
13	Fluorescent nano-particles for multi-photon thermal sensing. <i>Journal of Luminescence</i> , 2013 , 133, 249-2538	3.8	37
12	Anisotropic lattice changes in femtosecond laser inscribed Nd ³⁺ :MgO:LiNbO ₃ optical waveguides. <i>Journal of Applied Physics</i> , 2009 , 106, 013110	2.5	37
11	Absorption efficiency of gold nanorods determined by quantum dot fluorescence thermometry. <i>Applied Physics Letters</i> , 2012 , 100, 201110	3.4	34
10	On the existence of two states in liquid water: impact on biological and nanoscopic systems. <i>International Journal of Nanotechnology</i> , 2016 , 13, 667	1.5	26
9	Gold nanorods for optimized photothermal therapy: the influence of irradiating in the first and second biological windows. <i>RSC Advances</i> , 2014 , 4, 54122-54129	3.7	23
8	Optimum quantum dot size for highly efficient fluorescence bioimaging. <i>Journal of Applied Physics</i> , 2012 , 111, 023513	2.5	23
7	Quantum-dot based nanothermometry in optical plasmonic recording media. <i>Applied Physics Letters</i> , 2014 , 105, 181110	3.4	22
6	Evaluation of rare earth doped silica sub-micrometric spheres as optically controlled temperature sensors. <i>Journal of Applied Physics</i> , 2012 , 112, 054702	2.5	22
5	Dielectric anomalous response of water at 60 °C. <i>Philosophical Magazine</i> , 2015 , 95, 683-690	1.6	11
4	Ultrafast laser inscription of bistable and reversible waveguides in strontium barium niobate crystals. <i>Applied Physics Letters</i> , 2010 , 96, 191104	3.4	10
3	Extended Wavelength Responsivity of a Germanium Photodetector Integrated With a Silicon Waveguide Exploiting the Indirect Transition. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2020 , 26, 1-7	3.8	8
2	Response to "Critical growth temperature of aqueous CdTe quantum dots is non-negligible for their application as nanothermometers". <i>Small</i> , 2013 , 9, 3198-200	11	5
1	Heat in optical tweezers 2013 ,		3