Laura M Maestro

List of Publications by Year in Descending Order

31 papers	4,406 citations	23 h-index	32 g-index
32 ext. papers	4,893 ext. citations	7.4 avg, IF	4.96 L-index

#	Paper	IF	Citations
31	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	3.8	8
30	Near-Infrared and Short-Wavelength Infrared Photodiodes Based on Dye Perovskite Composites. *Advanced Functional Materials*, **2017**, 27, 1702485	15.6	43
29	Large-Area, Highly Uniform Evaporated Formamidinium Lead Triiodide Thin Films for Solar Cells. *ACS Energy Letters*, **2017**, 2, 2799-2804	20.1	86
28	On the existence of two states in liquid water: impact on biological and nanoscopic systems. *International Journal of Nanotechnology*, **2016**, 13, 667	1.5	26
27	Dielectric anomalous response of water at 60 °C. *Philosophical Magazine*, **2015**, 95, 683-690	1.6	11
26	Quantum dot thermometry evaluation of geometry dependent heating efficiency in gold nanoparticles. *Langmuir*, **2014**, 30, 1650-8	4	72
25	Gold nanorods for optimized photothermal therapy: the influence of irradiating in the first and second biological windows. *RSC Advances*, **2014**, 4, 54122-54129	3.7	23
24	Nanoparticles for photothermal therapies. *Nanoscale*, **2014**, 6, 9494-530	7.7	1205
23	Fluorescent nanothermometers for intracellular thermal sensing. *Nanomedicine*, **2014**, 9, 1047-62	5.6	104
22	Quantum-dot based nanothermometry in optical plasmonic recording media. *Applied Physics Letters* , **2014**, 105, 181110	3.4	22
21	Heating efficiency of multi-walled carbon nanotubes in the first and second biological windows. *Nanoscale*, **2013**, 5, 7882-9	7.7	89
20	Water (H2O and D2O) Dispersible NIR-to-NIR Upconverting Yb3+/Tm3+Doped MF2(M = Ca, Sr) Colloids: Influence of the Host Crystal. *Crystal Growth and Design*, **2013**, 13, 4906-4913	3.5	85
19	Heat in optical tweezers **2013**,		3
18	Optical trapping of NaYF4:Er3+,Yb3+ upconverting fluorescent nanoparticles. *Nanoscale*, **2013**, 5, 12192-9	7.7	50
17	Fluorescent nanothermometers provide controlled plasmonic-mediated intracellular hyperthermia. *Nanomedicine*, **2013**, 8, 379-88	5.6	47
16	Subtissue thermal sensing based on neodymium-doped LaF nanoparticles. *ACS Nano*, **2013**, 7, 1188-99	16.7	290
15	Fluorescent nano-particles for multi-photon thermal sensing. *Journal of Luminescence*, **2013**, 133, 249-253	3.8	37

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14	Quantum dot-based thermal spectroscopy and imaging of optically trapped microspheres and single cells. *Small*, **2013**, 9, 2162-70	11	63
13	Response to "Critical growth temperature of aqueous CdTe quantum dots is non-negligible for their application as nanothermometers". *Small*, **2013**, 9, 3198-200	11	5
12	Evaluation of rare earth doped silica sub-micrometric spheres as optically controlled temperature sensors. *Journal of Applied Physics*, **2012**, 112, 054702	2.5	22
11	Deep tissue bio-imaging using two-photon excited CdTe fluorescent quantum dots working within the biological window. *Nanoscale*, **2012**, 4, 298-302	7.7	75
10	Absorption efficiency of gold nanorods determined by quantum dot fluorescence thermometry. *Applied Physics Letters*, **2012**, 100, 201110	3.4	34
9	High-sensitivity fluorescence lifetime thermal sensing based on CdTe quantum dots. *Small*, **2012**, 8, 2652-8	11	101
8	Optimum quantum dot size for highly efficient fluorescence bioimaging. *Journal of Applied Physics*, **2012**, 111, 023513	2.5	23
7	NIR-to-NIR two-photon excited CaF2:Tm3+,Yb3+ nanoparticles: multifunctional nanoprobes for highly penetrating fluorescence bio-imaging. *ACS Nano*, **2011**, 5, 8665-71	16.7	342
6	CdTe quantum dots as nanothermometers: towards highly sensitive thermal imaging. *Small*, **2011**, 7, 1774-8	11	102
5	Ultrafast laser inscription of bistable and reversible waveguides in strontium barium niobate crystals. *Applied Physics Letters*, **2010**, 96, 191104	3.4	10
4	Temperature sensing using fluorescent nanothermometers. *ACS Nano*, **2010**, 4, 3254-8	16.7	1082
3	Nanoparticles for highly efficient multiphoton fluorescence bioimaging. *Optics Express*, **2010**, 18, 23544-53	3.5	70
2	CdSe quantum dots for two-photon fluorescence thermal imaging. *Nano Letters*, **2010**, 10, 5109-15	11.5	239
1	Anisotropic lattice changes in femtosecond laser inscribed Nd3+:MgO:LiNbO3 optical waveguides. *Journal of Applied Physics*, **2009**, 106, 013110	2.5	37