Emma MartÃ-n RodrÃ-guez

List of Publications by Year
in descending order

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54 papers	5,370 citations	201385 27 h-index	168136 53 g-index
56 all docs	56 docs citations	56 times ranked	7398 citing authors

#	Article	IF	Citations
1	Bismuth Selenide Nanostructured Clusters as Optical Coherence Tomography Contrast Agents: Beyond Gold-Based Particles. ACS Photonics, 2022, 9, 559-566.	3.2	4
2	Molecular Imaging of Infarcted Heart by Biofunctionalized Gold Nanoshells. Advanced Healthcare Materials, 2021, 10, e2002186.	3.9	6
3	The role of tissue fluorescence in in vivo optical bioimaging. Journal of Applied Physics, 2020, 128, .	1.1	23
4	Magnetic Nanoplatelets for High Contrast Cardiovascular Imaging by Magnetically Modulated Optical Coherence Tomography. ChemPhotoChem, 2019, 3, 503-503.	1.5	0
5	Perspectives for Ag₂S NIR-II nanoparticles in biomedicine: from imaging to multifunctionality. Nanoscale, 2019, 11, 19251-19264.	2.8	69
6	Infrared fluorescence imaging of infarcted hearts with Ag2S nanodots. Nano Research, 2019, 12, 749-757.	5.8	35
7	Magnetic Nanoplatelets for High Contrast Cardiovascular Imaging by Magnetically Modulated Optical Coherence Tomography. ChemPhotoChem, 2019, 3, 529-539.	1.5	16
8	Lifetime-Encoded Infrared-Emitting Nanoparticles for in Vivo Multiplexed Imaging. ACS Nano, 2018, 12, 4362-4368.	7.3	138
9	Gold nanoshells: Contrast agents for cell imaging by cardiovascular optical coherence tomography. Nano Research, 2018, 11, 676-685.	5.8	38
10	Coreâ€“shell rare-earth-doped nanostructures in biomedicine. Nanoscale, 2018, 10, 12935-12956.	2.8	63
11	Invited Article: Experimental evaluation of gold nanoparticles as infrared scatterers for advanced cardiovascular optical imaging. APL Photonics, 2018, 3, .	3.0	17
12	Rare-earth-doped fluoride nanoparticles with engineered long luminescence lifetime for time-gated in vivo optical imaging in the second biological window. Nanoscale, 2018, 10, 17771-17780.	2.8	87
13	Optical Nanoparticles for Cardiovascular Imaging. Advanced Optical Materials, 2018, 6, 1800626.	3.6	27
14	Nd 3+ ions in nanomedicine: Perspectives and applications. Optical Materials, 2017, 63, 185-196.	1.7	59
15	Dynamic single gold nanoparticle visualization by clinical intracoronary optical coherence tomography. Journal of Biophotonics, 2017, 10, 674-682.	1.1	19
16	Quantum Dots Emitting in the Third Biological Window as Bimodal Contrast Agents for Cardiovascular Imaging. Advanced Functional Materials, 2017, 27, 1703276.	7.8	29
17	Persistent luminescence nanothermometers. Applied Physics Letters, 2017, 111, .	1.5	32
18	Overcoming Autofluorescence: Longâ€Lifetime Infrared Nanoparticles for Timeâ€Gated In Vivo Imaging. Advanced Materials, 2016, 28, 10188-10193.	11.1	108

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19	Subtissue Imaging and Thermal Monitoring of Gold Nanorods through Joined Encapsulation with Ndâ€Doped Infraredâ€Emitting Nanoparticles. Small, 2016, 12, 5394-5400.	5.2	37
20	In Vivo Deep Tissue Fluorescence and Magnetic Imaging Employing Hybrid Nanostructures. ACS Applied Materials & Interfaces, 2016, 8, 1406-1414.	4.0	52
21	Self-monitored photothermal nanoparticles based on coreâ€“shell engineering. Nanoscale, 2016, 8, 3057-3066.	2.8	107
22	Neodymium-doped nanoparticles for infrared fluorescence bioimaging: The role of the host. Journal of Applied Physics, 2015, 118, .	1.1	102
23	Hybrid Nanostructures for Highâ€Sensitivity Luminescence Nanothermometry in the Second Biological Window. Advanced Materials, 2015, 27, 4781-4787.	11.1	174
24	Enhancing Optical Forces on Fluorescent Upâ€Converting Nanoparticles by Surface Charge Tailoring. Small, 2015, 11, 1555-1561.	5.2	21
25	Gold nanorod assisted intracellular optical manipulation of silica microspheres. Optics Express, 2014, 22, 19735.	1.7	7
26	The near-IR photo-stimulated luminescence of CaS:Eu2+/Dy3+nanophosphors. Journal of Materials Chemistry C, 2014, 2, 228-231.	2.7	70
27	Nanoparticles for photothermal therapies. Nanoscale, 2014, 6, 9494-9530.	2.8	1,562
28	Chemical modification of temoporfin â€“ a second generation photosensitizer activated using upconverting nanoparticles for singlet oxygen generation. Chemical Communications, 2014, 50, 12150-12153.	2.2	47
29	Fluorescent nanothermometers for intracellular thermal sensing. Nanomedicine, 2014, 9, 1047-1062.	1.7	117
30	A highly sensitive luminescent lectin sensor based on an Î±-d-mannose substituted Tb3+ antenna complex. Dalton Transactions, 2013, 42, 9453.	1.6	13
31	Optical trapping of NaYF4:Er3+,Yb3+ upconverting fluorescent nanoparticles. Nanoscale, 2013, 5, 12192.	2.8	66
32	Fluorescent nano-particles for multi-photon thermal sensing. Journal of Luminescence, 2013, 133, 249-253.	1.5	40
33	High Resolution Fluorescence Imaging of Cancers Using Lanthanide Ion-Doped Upconverting Nanocrystals. Cancers, 2012, 4, 1067-1105.	1.7	53
34	Bio-functionalization of ligand-free upconverting lanthanide doped nanoparticles for bio-imaging and cell targeting. Nanoscale, 2012, 4, 3647.	2.8	94
35	Non-linear niobate nanocrystals for two-photon imaging. Optical Materials, 2011, 33, 258-266.	1.7	17
36	Spectroscopy of the Bi4Si3O12:Er3+ glass for optical amplification and laser application. Optical Materials, 2010, 32, 1266-1273.	1.7	36

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37	Temperature Sensing Using Fluorescent Nanothermometers. ACS Nano, 2010, 4, 3254-3258.	7.3	1,284
38	Optical Spectroscopy of YPO₄Single Crystals Doped with Ho³⁺. Spectroscopy Letters, 2010, 43, 382-388.	0.5	6
39	Micro-Raman characterization of Zn-diffused channel waveguides in Tm^3+:LiNbO_3. Optics Express, 2010, 18, 5449.	1.7	22
40	Nanoparticles for highly efficient multiphoton fluorescence bioimaging. Optics Express, 2010, 18, 23544.	1.7	77
41	CdSe Quantum Dots for Two-Photon Fluorescence Thermal Imaging. Nano Letters, 2010, 10, 5109-5115.	4.5	276
42	Intracellular imaging of HeLa cells by non-functionalized NaYF4â€‰:â€‰Er³⁺, Yb³⁺upconverting nanoparticles. Nanoscale, 2010, 2, 495-498.	2.8	179
43	Site location and crystal field ofNd3+ions in congruent strontium barium niobate. Physical Review B, 2009, 80, .	1.1	9
44	Suppression of Q-switching instabilities in a passively mode-locked Nd:Y3Al5O12 ceramic laser. Optical Materials, 2009, 31, 725-728.	1.7	4
45	Confocal micro-luminescence of Zn-diffused LiNbO3:Tm3+ channel waveguides. Journal of Luminescence, 2009, 129, 1698-1701.	1.5	2
46	Optical spectroscopy of neodymium-doped calcium barium niobate ferroelectric crystals. Journal of Luminescence, 2009, 129, 1658-1660.	1.5	6
47	Multicolour second harmonic generation by strontium barium niobate nanoparticles. Journal Physics D: Applied Physics, 2009, 42, 102003.	1.3	20
48	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mi mathvariant="normal">Nd</mml:mi><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup><mml:mo mathvariant="normal">Yb</mml:mi><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:mrow> energy transfer in the ferroelectric<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathv. Physical Review B, 2008, 77, .	1.1	26
49	Spectroscopy ofEu3+ions in congruent strontium barium niobate crystals. Physical Review B, 2008, 77, .	1.1	22
50	Laser action from Yb3+ ions in the ferroelectric and paraelectric phases of strontium barium niobate. Applied Physics Letters, 2008, 92, .	1.5	14
51	Improvement of laser gain by microdomain compensation effects in Nd:SrBa(Nb3O)2 lasers. Journal of Applied Physics, 2007, 102, 053101.	1.1	4
52	Time resolved confocal luminescence investigations on Reverse Proton Exchange Nd:LiNbO_3 channel waveguides. Optics Express, 2007, 15, 8805.	1.7	24
53	Phase transition induced gain depression in Nd[sup 3+]:SBN lasers. Journal of Applied Physics, 2006, 100, 113114.	1.1	1
54	Optical distortions through phase transition in the Nd3+:SBN laser crystal. Applied Physics Letters, 2006, 88, 161116.	1.5	9