Emma Martn Rodrguez

List of Publications by Year in Descending Order

54 papers	4,352 citations	26 h-index	56 g-index
56 ext. papers	4,901 ext. citations	6.6 avg, IF	5.08 L-index

#	Paper	IF	Citations
54	Bismuth Selenide Nanostructured Clusters as Optical Coherence Tomography Contrast Agents: Beyond Gold-Based Particles.. *ACS Photonics*, **2022**, 9, 559-566	6.3	1
53	Molecular Imaging of Infarcted Heart by Biofunctionalized Gold Nanoshells. *Advanced Healthcare Materials*, **2021**, 10, e2002186	10.1	2
52	The role of tissue fluorescence in in vivo optical bioimaging. *Journal of Applied Physics*, **2020**, 128, 171101	2.5	7
51	Perspectives for AgS NIR-II nanoparticles in biomedicine: from imaging to multifunctionality. *Nanoscale*, **2019**, 11, 19251-19264	7.7	47
50	Infrared fluorescence imaging of infarcted hearts with Ag2S nanodots. *Nano Research*, **2019**, 12, 749-757	10	31
49	Magnetic Nanoplatelets for High Contrast Cardiovascular Imaging by Magnetically Modulated Optical Coherence Tomography. *ChemPhotoChem*, **2019**, 3, 529-539	3.3	9
48	Magnetic Nanoplatelets for High Contrast Cardiovascular Imaging by Magnetically Modulated Optical Coherence Tomography. *ChemPhotoChem*, **2019**, 3, 503-503	3.3	
47	Lifetime-Encoded Infrared-Emitting Nanoparticles for in Vivo Multiplexed Imaging. *ACS Nano*, **2018**, 12, 4362-4368	16.7	88
46	Invited Article: Experimental evaluation of gold nanoparticles as infrared scatterers for advanced cardiovascular optical imaging. *APL Photonics*, **2018**, 3, 080803	5.2	12
45	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	7.7	57
44	Optical Nanoparticles for Cardiovascular Imaging. *Advanced Optical Materials*, **2018**, 6, 1800626	8.1	16
43	Gold nanoshells: Contrast agents for cell imaging by cardiovascular optical coherence tomography. *Nano Research*, **2018**, 11, 676-685	10	28
42	Core-shell rare-earth-doped nanostructures in biomedicine. *Nanoscale*, **2018**, 10, 12935-12956	7.7	46
41	Nd 3+ ions in nanomedicine: Perspectives and applications. *Optical Materials*, **2017**, 63, 185-196	3.3	45
40	Dynamic single gold nanoparticle visualization by clinical intracoronary optical coherence tomography. *Journal of Biophotonics*, **2017**, 10, 674-682	3.1	14
39	Quantum Dots Emitting in the Third Biological Window as Bimodal Contrast Agents for Cardiovascular Imaging. *Advanced Functional Materials*, **2017**, 27, 1703276	15.6	21
38	Persistent luminescence nanothermometers. *Applied Physics Letters*, **2017**, 111, 081901	3.4	26

37	Subtissue Imaging and Thermal Monitoring of Gold Nanorods through Joined Encapsulation with Nd-Doped Infrared-Emitting Nanoparticles. *Small*, **2016**, 12, 5394-5400	11	31
36	In Vivo Deep Tissue Fluorescence and Magnetic Imaging Employing Hybrid Nanostructures. *ACS Applied Materials & Interfaces*, **2016**, 8, 1406-14	9.5	47
35	Self-monitored photothermal nanoparticles based on core-shell engineering. *Nanoscale*, **2016**, 8, 3057-66	7.7	92
34	Overcoming Autofluorescence: Long-Lifetime Infrared Nanoparticles for Time-Gated In Vivo Imaging. *Advanced Materials*, **2016**, 28, 10188-10193	24	83
33	Enhancing optical forces on fluorescent up-converting nanoparticles by surface charge tailoring. *Small*, **2015**, 11, 1555-61	11	16
32	Neodymium-doped nanoparticles for infrared fluorescence bioimaging: The role of the host. *Journal of Applied Physics*, **2015**, 118, 143104	2.5	86
31	Hybrid nanostructures for high-sensitivity luminescence nanothermometry in the second biological window. *Advanced Materials*, **2015**, 27, 4781-7	24	149
30	The near-IR photo-stimulated luminescence of CaS:Eu2+/Dy3+ nanophosphors. *Journal of Materials Chemistry C*, **2014**, 2, 228-231	7.1	60
29	Nanoparticles for photothermal therapies. *Nanoscale*, **2014**, 6, 9494-530	7.7	1205
28	Chemical modification of temoporfin--a second generation photosensitizer activated using upconverting nanoparticles for singlet oxygen generation. *Chemical Communications*, **2014**, 50, 12150-3	5.8	39
27	Fluorescent nanothermometers for intracellular thermal sensing. *Nanomedicine*, **2014**, 9, 1047-62	5.6	104
26	Gold nanorod assisted intracellular optical manipulation of silica microspheres. *Optics Express*, **2014** , 22, 19735-47	3.3	5
25	A highly sensitive luminescent lectin sensor based on an D-mannose substituted Tb3+ antenna complex. *Dalton Transactions*, **2013**, 42, 9453-61	4.3	12
24	Optical trapping of NaYF4:Er3+,Yb3+ upconverting fluorescent nanoparticles. *Nanoscale*, **2013**, 5, 12192-9	7.7	50
23	Fluorescent nano-particles for multi-photon thermal sensing. *Journal of Luminescence*, **2013**, 133, 249-253	3.8	37
22	High resolution fluorescence imaging of cancers using lanthanide ion-doped upconverting nanocrystals. *Cancers*, **2012**, 4, 1067-105	6.6	46
21	Bio-functionalization of ligand-free upconverting lanthanide doped nanoparticles for bio-imaging and cell targeting. *Nanoscale*, **2012**, 4, 3647-50	7.7	85
20	Non-linear niobate nanocrystals for two-photon imaging. *Optical Materials*, **2011**, 33, 258-266	3.3	16

19	Temperature sensing using fluorescent nanothermometers. *ACS Nano*, **2010**, 4, 3254-8	16.7	1082
18	Optical Spectroscopy of YPO4 Single Crystals Doped with Ho3+. *Spectroscopy Letters*, **2010**, 43, 382-388	1.1	5
17	Micro-Raman characterization of Zn-diffused channel waveguides in Tm(3+):LiNbO(3). *Optics Express*, **2010**, 18, 5449-58	3.3	17
16	Nanoparticles for highly efficient multiphoton fluorescence bioimaging. *Optics Express*, **2010**, 18, 23544-53	3.3	70
15	CdSe quantum dots for two-photon fluorescence thermal imaging. *Nano Letters*, **2010**, 10, 5109-15	11.5	239
14	Intracellular imaging of HeLa cells by non-functionalized NaYF4 : Er3+, Yb3+ upconverting nanoparticles. *Nanoscale*, **2010**, 2, 495-8	7.7	165
13	Spectroscopy of the Bi4Si3O12:Er3+ glass for optical amplification and laser application. *Optical Materials*, **2010**, 32, 1266-1273	3.3	30
12	Site location and crystal field of Nd3+ ions in congruent strontium barium niobate. *Physical Review B*, **2009**, 80,	3.3	9
11	Suppression of Q-switching instabilities in a passively mode-locked Nd:Y3Al5O12 ceramic laser. *Optical Materials*, **2009**, 31, 725-728	3.3	4
10	Confocal micro-luminescence of Zn-diffused LiNbO3:Tm3+ channel waveguides. *Journal of Luminescence*, **2009**, 129, 1698-1701	3.8	2
9	Optical spectroscopy of neodymium-doped calcium barium niobate ferroelectric crystals. *Journal of Luminescence*, **2009**, 129, 1658-1660	3.8	6
8	Multicolour second harmonic generation by strontium barium niobate nanoparticles. *Journal Physics D: Applied Physics*, **2009**, 42, 102003	3	16
7	Nd3+-Yb3+ resonant energy transfer in the ferroelectric Sr0.6Ba0.4Nb2O6 laser crystal. *Physical Review B*, **2008**, 77,	3.3	24
6	Spectroscopy of Eu3+ ions in congruent strontium barium niobate crystals. *Physical Review B*, **2008**, 77,	3.3	21
5	Laser action from Yb3+ ions in the ferroelectric and paraelectric phases of strontium barium niobate. *Applied Physics Letters*, **2008**, 92, 181107	3.4	12
4	Improvement of laser gain by microdomain compensation effects in Nd:SrBa(Nb3O)2 lasers. *Journal of Applied Physics*, **2007**, 102, 053101	2.5	4
3	Time resolved confocal luminescence investigations on Reverse Proton Exchange Nd:LiNbO(3) channel waveguides. *Optics Express*, **2007**, 15, 8805-11	3.3	24
2	Phase transition induced gain depression in Nd[sup 3+]:SBN lasers. *Journal of Applied Physics*, **2006**, 100, 113114	2.5	0

1	Optical distortions through phase transition in the Nd3+:SBN laser crystal. *Applied Physics Letters*, **2006**, 88, 161116	3.4	9