

Emma Martn Rodrguez

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54
papers

4,352
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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	Nanoparticles for photothermal therapies. <i>Nanoscale</i> , 2014 , 6, 9494-530	7.7	1205
53	Temperature sensing using fluorescent nanothermometers. <i>ACS Nano</i> , 2010 , 4, 3254-8	16.7	1082
52	CdSe quantum dots for two-photon fluorescence thermal imaging. <i>Nano Letters</i> , 2010 , 10, 5109-15	11.5	239
51	Intracellular imaging of HeLa cells by non-functionalized NaYF ₄ : Er ³⁺ , Yb ³⁺ upconverting nanoparticles. <i>Nanoscale</i> , 2010 , 2, 495-8	7.7	165
50	Hybrid nanostructures for high-sensitivity luminescence nanothermometry in the second biological window. <i>Advanced Materials</i> , 2015 , 27, 4781-7	24	149
49	Fluorescent nanothermometers for intracellular thermal sensing. <i>Nanomedicine</i> , 2014 , 9, 1047-62	5.6	104
48	Self-monitored photothermal nanoparticles based on core-shell engineering. <i>Nanoscale</i> , 2016 , 8, 3057-66	6.7	92
47	Lifetime-Encoded Infrared-Emitting Nanoparticles for in Vivo Multiplexed Imaging. <i>ACS Nano</i> , 2018 , 12, 4362-4368	16.7	88
46	Neodymium-doped nanoparticles for infrared fluorescence bioimaging: The role of the host. <i>Journal of Applied Physics</i> , 2015 , 118, 143104	2.5	86
45	Bio-functionalization of ligand-free upconverting lanthanide doped nanoparticles for bio-imaging and cell targeting. <i>Nanoscale</i> , 2012 , 4, 3647-50	7.7	85
44	Overcoming Autofluorescence: Long-Lifetime Infrared Nanoparticles for Time-Gated In Vivo Imaging. <i>Advanced Materials</i> , 2016 , 28, 10188-10193	24	83
43	Nanoparticles for highly efficient multiphoton fluorescence bioimaging. <i>Optics Express</i> , 2010 , 18, 23544-53	5.3	70
42	The near-IR photo-stimulated luminescence of CaS:Eu ²⁺ /Dy ³⁺ nanophosphors. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 228-231	7.1	60
41	Rare-earth-doped fluoride nanoparticles with engineered long luminescence lifetime for time-gated in vivo optical imaging in the second biological window. <i>Nanoscale</i> , 2018 , 10, 17771-17780	7.7	57
40	Optical trapping of NaYF ₄ :Er ³⁺ ,Yb ³⁺ upconverting fluorescent nanoparticles. <i>Nanoscale</i> , 2013 , 5, 12192-97	7.7	50
39	Perspectives for AgS NIR-II nanoparticles in biomedicine: from imaging to multifunctionality. <i>Nanoscale</i> , 2019 , 11, 19251-19264	7.7	47
38	In Vivo Deep Tissue Fluorescence and Magnetic Imaging Employing Hybrid Nanostructures. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 1406-14	9.5	47

37	High resolution fluorescence imaging of cancers using lanthanide ion-doped upconverting nanocrystals. <i>Cancers</i> , 2012 , 4, 1067-105	6.6	46
36	Core-shell rare-earth-doped nanostructures in biomedicine. <i>Nanoscale</i> , 2018 , 10, 12935-12956	7.7	46
35	Nd 3+ ions in nanomedicine: Perspectives and applications. <i>Optical Materials</i> , 2017 , 63, 185-196	3.3	45
34	Chemical modification of temoporfin--a second generation photosensitizer activated using upconverting nanoparticles for singlet oxygen generation. <i>Chemical Communications</i> , 2014 , 50, 12150-3	5.8	39
33	Fluorescent nano-particles for multi-photon thermal sensing. <i>Journal of Luminescence</i> , 2013 , 133, 249-253	3.8	37
32	Infrared fluorescence imaging of infarcted hearts with Ag2S nanodots. <i>Nano Research</i> , 2019 , 12, 749-757	1.0	31
31	Subtissue Imaging and Thermal Monitoring of Gold Nanorods through Joined Encapsulation with Nd-Doped Infrared-Emitting Nanoparticles. <i>Small</i> , 2016 , 12, 5394-5400	11	31
30	Spectroscopy of the Bi4Si3O12:Er3+ glass for optical amplification and laser application. <i>Optical Materials</i> , 2010 , 32, 1266-1273	3.3	30
29	Gold nanoshells: Contrast agents for cell imaging by cardiovascular optical coherence tomography. <i>Nano Research</i> , 2018 , 11, 676-685	10	28
28	Persistent luminescence nanothermometers. <i>Applied Physics Letters</i> , 2017 , 111, 081901	3.4	26
27	Nd3+-Yb3+ resonant energy transfer in the ferroelectric Sr0.6Ba0.4Nb2O6 laser crystal. <i>Physical Review B</i> , 2008 , 77,	3.3	24
26	Time resolved confocal luminescence investigations on Reverse Proton Exchange Nd:LiNbO(3) channel waveguides. <i>Optics Express</i> , 2007 , 15, 8805-11	3.3	24
25	Quantum Dots Emitting in the Third Biological Window as Bimodal Contrast Agents for Cardiovascular Imaging. <i>Advanced Functional Materials</i> , 2017 , 27, 1703276	15.6	21
24	Spectroscopy of Eu3+ ions in congruent strontium barium niobate crystals. <i>Physical Review B</i> , 2008 , 77,	3.3	21
23	Micro-Raman characterization of Zn-diffused channel waveguides in Tm(3+):LiNbO(3). <i>Optics Express</i> , 2010 , 18, 5449-58	3.3	17
22	Enhancing optical forces on fluorescent up-converting nanoparticles by surface charge tailoring. <i>Small</i> , 2015 , 11, 1555-61	11	16
21	Optical Nanoparticles for Cardiovascular Imaging. <i>Advanced Optical Materials</i> , 2018 , 6, 1800626	8.1	16
20	Non-linear niobate nanocrystals for two-photon imaging. <i>Optical Materials</i> , 2011 , 33, 258-266	3.3	16

19	Multicolour second harmonic generation by strontium barium niobate nanoparticles. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 102003	3	16
18	Dynamic single gold nanoparticle visualization by clinical intracoronary optical coherence tomography. <i>Journal of Biophotonics</i> , 2017 , 10, 674-682	3.1	14
17	Invited Article: Experimental evaluation of gold nanoparticles as infrared scatterers for advanced cardiovascular optical imaging. <i>APL Photonics</i> , 2018 , 3, 080803	5.2	12
16	A highly sensitive luminescent lectin sensor based on an ED-mannose substituted Tb ³⁺ antenna complex. <i>Dalton Transactions</i> , 2013 , 42, 9453-61	4.3	12
15	Laser action from Yb ³⁺ ions in the ferroelectric and paraelectric phases of strontium barium niobate. <i>Applied Physics Letters</i> , 2008 , 92, 181107	3.4	12
14	Magnetic Nanoplatelets for High Contrast Cardiovascular Imaging by Magnetically Modulated Optical Coherence Tomography. <i>ChemPhotoChem</i> , 2019 , 3, 529-539	3.3	9
13	Site location and crystal field of Nd ³⁺ ions in congruent strontium barium niobate. <i>Physical Review B</i> , 2009 , 80,	3.3	9
12	Optical distortions through phase transition in the Nd ³⁺ :SBN laser crystal. <i>Applied Physics Letters</i> , 2006 , 88, 161116	3.4	9
11	The role of tissue fluorescence in in vivo optical bioimaging. <i>Journal of Applied Physics</i> , 2020 , 128, 171101	1.5	7
10	Optical spectroscopy of neodymium-doped calcium barium niobate ferroelectric crystals. <i>Journal of Luminescence</i> , 2009 , 129, 1658-1660	3.8	6
9	Gold nanorod assisted intracellular optical manipulation of silica microspheres. <i>Optics Express</i> , 2014 , 22, 19735-47	3.3	5
8	Optical Spectroscopy of YPO ₄ Single Crystals Doped with Ho ³⁺ . <i>Spectroscopy Letters</i> , 2010 , 43, 382-388	1.1	5
7	Suppression of Q-switching instabilities in a passively mode-locked Nd:Y ₃ Al ₅ O ₁₂ ceramic laser. <i>Optical Materials</i> , 2009 , 31, 725-728	3.3	4
6	Improvement of laser gain by microdomain compensation effects in Nd:SrBa(Nb ₃ O) ₂ lasers. <i>Journal of Applied Physics</i> , 2007 , 102, 053101	2.5	4
5	Confocal micro-luminescence of Zn-diffused LiNbO ₃ :Tm ³⁺ channel waveguides. <i>Journal of Luminescence</i> , 2009 , 129, 1698-1701	3.8	2
4	Molecular Imaging of Infarcted Heart by Biofunctionalized Gold Nanoshells. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2002186	10.1	2
3	Bismuth Selenide Nanostructured Clusters as Optical Coherence Tomography Contrast Agents: Beyond Gold-Based Particles.. <i>ACS Photonics</i> , 2022 , 9, 559-566	6.3	1
2	Phase transition induced gain depression in Nd ³⁺ :SBN lasers. <i>Journal of Applied Physics</i> , 2006 , 100, 113114	2.5	0

- 1 Magnetic Nanoplatelets for High Contrast Cardiovascular Imaging by Magnetically Modulated Optical Coherence Tomography. *ChemPhotoChem*, **2019**, 3, 503-503 33