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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	Nanoparticles for photothermal therapies. Nanoscale, 2014, 6, 9494-9530.	2.8	1,562
2	Temperature Sensing Using Fluorescent Nanothermometers. ACS Nano, 2010, 4, 3254-3258.	7.3	1,284
3	CdSe Quantum Dots for Two-Photon Fluorescence Thermal Imaging. Nano Letters, 2010, 10, 5109-5115.	4.5	276
4	Intracellular imaging of HeLa cells by non-functionalized NaYF4â€‰:â€‰Er³⁺, Yb³⁺upconverting nanoparticles. Nanoscale, 2010, 2, 495-498.	2.8	179
5	Hybrid Nanostructures for Highâ€Sensitivity Luminescence Nanothermometry in the Second Biological Window. Advanced Materials, 2015, 27, 4781-4787.	11.1	174
6	Lifetime-Encoded Infrared-Emitting Nanoparticles for in Vivo Multiplexed Imaging. ACS Nano, 2018, 12, 4362-4368.	7.3	138
7	Fluorescent nanothermometers for intracellular thermal sensing. Nanomedicine, 2014, 9, 1047-1062.	1.7	117
8	Overcoming Autofluorescence: Longâ€Lifetime Infrared Nanoparticles for Timeâ€Gated In Vivo Imaging. Advanced Materials, 2016, 28, 10188-10193.	11.1	108
9	Self-monitored photothermal nanoparticles based on coreâ€“shell engineering. Nanoscale, 2016, 8, 3057-3066.	2.8	107
10	Neodymium-doped nanoparticles for infrared fluorescence bioimaging: The role of the host. Journal of Applied Physics, 2015, 118, .	1.1	102
11	Bio-functionalization of ligand-free upconverting lanthanide doped nanoparticles for bio-imaging and cell targeting. Nanoscale, 2012, 4, 3647.	2.8	94
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	Nanoparticles for highly efficient multiphoton fluorescence bioimaging. Optics Express, 2010, 18, 23544.	1.7	77
14	The near-IR photo-stimulated luminescence of CaS:Eu2+/Dy3+nanophosphors. Journal of Materials Chemistry C, 2014, 2, 228-231.	2.7	70
15	Perspectives for Ag₂S NIR-II nanoparticles in biomedicine: from imaging to multifunctionality. Nanoscale, 2019, 11, 19251-19264.	2.8	69
16	Optical trapping of NaYF4:Er3+,Yb3+ upconverting fluorescent nanoparticles. Nanoscale, 2013, 5, 12192.	2.8	66
17	Coreâ€“shell rare-earth-doped nanostructures in biomedicine. Nanoscale, 2018, 10, 12935-12956.	2.8	63
18	Nd 3+ ions in nanomedicine: Perspectives and applications. Optical Materials, 2017, 63, 185-196.	1.7	59

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19	High Resolution Fluorescence Imaging of Cancers Using Lanthanide Ion-Doped Upconverting Nanocrystals. Cancers, 2012, 4, 1067-1105.	1.7	53
20	In Vivo Deep Tissue Fluorescence and Magnetic Imaging Employing Hybrid Nanostructures. ACS Applied Materials & Interfaces, 2016, 8, 1406-1414.	4.0	52
21	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
22	Fluorescent nano-particles for multi-photon thermal sensing. Journal of Luminescence, 2013, 133, 249-253.	1.5	40
23	Gold nanoshells: Contrast agents for cell imaging by cardiovascular optical coherence tomography. Nano Research, 2018, 11, 676-685.	5.8	38
24	Subtissue Imaging and Thermal Monitoring of Gold Nanorods through Joined Encapsulation with Ndâ€Ðoped Infraredâ€Ðmitting Nanoparticles. Small, 2016, 12, 5394-5400.	5.2	37
25	Spectroscopy of the Bi4Si3O12:Er3+ glass for optical amplification and laser application. Optical Materials, 2010, 32, 1266-1273.	1.7	36
26	Infrared fluorescence imaging of infarcted hearts with Ag2S nanodots. Nano Research, 2019, 12, 749-757.	5.8	35
27	Persistent luminescence nanothermometers. Applied Physics Letters, 2017, 111, .	1.5	32
28	Quantum Dots Emitting in the Third Biological Window as Bimodal Contrast Agents for Cardiovascular Imaging. Advanced Functional Materials, 2017, 27, 1703276.	7.8	29
29	Optical Nanoparticles for Cardiovascular Imaging. Advanced Optical Materials, 2018, 6, 1800626.	3.6	27
30	<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><mml:mi mathvariant="normal">Yb</mml:mi><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:mro 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
31	Time resolved confocal luminescence investigations on Reverse Proton Exchange Nd:LiNbO_3 channel waveguides. Optics Express, 2007, 15, 8805.	1.7	24
32	The role of tissue fluorescence in in vivo optical bioimaging. Journal of Applied Physics, 2020, 128, .	1.1	23
33	Spectroscopy ofEu3+ions in congruent strontium barium niobate crystals. Physical Review B, 2008, 77, .	1.1	22
34	Micro-Raman characterization of Zn-diffused channel waveguides in Tm^3+:LiNbO_3. Optics Express, 2010, 18, 5449.	1.7	22
35	Enhancing Optical Forces on Fluorescent Upâ€Converting Nanoparticles by Surface Charge Tailoring. Small, 2015, 11, 1555-1561.	5.2	21
36	Multicolour second harmonic generation by strontium barium niobate nanoparticles. Journal Physics D: Applied Physics, 2009, 42, 102003.	1.3	20

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37	Dynamic single gold nanoparticle visualization by clinical intracoronary optical coherence tomography. Journal of Biophotonics, 2017, 10, 674-682.	1.1	19
38	Non-linear niobate nanocrystals for two-photon imaging. Optical Materials, 2011, 33, 258-266.	1.7	17
39	Invited Article: Experimental evaluation of gold nanoparticles as infrared scatterers for advanced cardiovascular optical imaging. APL Photonics, 2018, 3, .	3.0	17
40	Magnetic Nanoplatelets for High Contrast Cardiovascular Imaging by Magnetically Modulated Optical Coherence Tomography. ChemPhotoChem, 2019, 3, 529-539.	1.5	16
41	Laser action from Yb3+ ions in the ferroelectric and paraelectric phases of strontium barium niobate. Applied Physics Letters, 2008, 92, .	1.5	14
42	A highly sensitive luminescent lectin sensor based on an Î±-d-mannose substituted Tb3+ antenna complex. Dalton Transactions, 2013, 42, 9453.	1.6	13
43	Optical distortions through phase transition in the Nd3+:SBN laser crystal. Applied Physics Letters, 2006, 88, 161116.	1.5	9
44	Site location and crystal field ofNd3+ions in congruent strontium barium niobate. Physical Review B, 2009, 80, .	1.1	9
45	Gold nanorod assisted intracellular optical manipulation of silica microspheres. Optics Express, 2014, 22, 19735.	1.7	7
46	Optical spectroscopy of neodymium-doped calcium barium niobate ferroelectric crystals. Journal of Luminescence, 2009, 129, 1658-1660.	1.5	6
47	Optical Spectroscopy of YPO₄Single Crystals Doped with Ho³⁺. Spectroscopy Letters, 2010, 43, 382-388.	0.5	6
48	Molecular Imaging of Infarcted Heart by Biofunctionalized Gold Nanoshells. Advanced Healthcare Materials, 2021, 10, e2002186.	3.9	6
49	Improvement of laser gain by microdomain compensation effects in Nd:SrBa(Nb3O)2 lasers. Journal of Applied Physics, 2007, 102, 053101.	1.1	4
50	Suppression of Q-switching instabilities in a passively mode-locked Nd:Y3Al5O12 ceramic laser. Optical Materials, 2009, 31, 725-728.	1.7	4
51	Bismuth Selenide Nanostructured Clusters as Optical Coherence Tomography Contrast Agents: Beyond Gold-Based Particles. ACS Photonics, 2022, 9, 559-566.	3.2	4
52	Confocal micro-luminescence of Zn-diffused LiNbO3:Tm3+ channel waveguides. Journal of Luminescence, 2009, 129, 1698-1701.	1.5	2
53	Phase transition induced gain depression in Nd[sup 3+]:SBN lasers. Journal of Applied Physics, 2006, 100, 113114.	1.1	1
54	Magnetic Nanoplatelets for High Contrast Cardiovascular Imaging by Magnetically Modulated Optical Coherence Tomography. ChemPhotoChem, 2019, 3, 503-503.	1.5	0