Inocencio Rafael Martin

List of Publications by Year
in descending order

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241 papers	6,343 citations	66343 42 h-index	102487 66 g-index
246 all docs	246 docs citations	246 times ranked	4548 citing authors

#	Article	IF	Citations
1	Optical thermometry based on upconversion emissions in Na3Gd (VO4)2: Yb3+-Er3+/Ho3+ micro crystals. Journal of Alloys and Compounds, 2022, 891, 161993.	5.5	34
2	Photoluminescence and energy transfer studies in Ce3+-Sm3+ co-doped phosphate glasses. Journal of Luminescence, 2022, 241, 118471.	3.1	10
3	Enhanced red up-conversion emission in Er3+/Yb3+ co-doped SrSnO3 for optical temperature sensing based on thermally and non-thermally coupled levels. Journal of Luminescence, 2022, 244, 118687.	3.1	23
4	Highly luminescent mixed-ligand bimetallic lanthanoid(<scp>iii</scp>) complexes for photovoltaic applications. Dalton Transactions, 2022, 51, 3146-3158.	3.3	5
5	Temperature sensor based on luminescence intensity ratio or whispering gallery modes in phosphate glass co-doped with Pr3+ and Yb3+. Optics and Laser Technology, 2022, 149, 107893.	4.6	4
6	A novel optical thermometry strategy based on emission of Tm³⁺/Yb³⁺ codoped Na₃GdV₂O₈ phosphors. Dalton Transactions, 2022, 51, 5108-5117.	3.3	24
7	Boltzmann vs. non-Boltzmann (non-linear) thermometry - Yb3+-Er3+ activated dual-mode thermometer and phase transition sensor via second harmonic generation. Journal of Alloys and Compounds, 2022, 906, 164329.	5.5	14
8	Analysis of down conversion and back-transfer processes in Pr3+-Yb3+ co-doped phosphate glasses. Optical Materials, 2022, 131, 112604.	3.6	2
9	Supersensitive Ratiometric Thermometry and Manometry Based on Dualâ€Emitting Centers in Eu²⁺/Sm²⁺â€Doped Strontium Tetraborate Phosphors. Advanced Optical Materials, 2022, 10, .	7.3	35
10	Multifunctional cellulose fibers: Intense red upconversion under 1532Ânm excitation and temperature-sensing properties. Carbohydrate Polymers, 2022, 294, 119782.	10.2	10
11	Optical pressure sensing in vacuum and high-pressure ranges using lanthanide-based luminescent thermometerâ€“manometer. Journal of Materials Chemistry C, 2021, 9, 4643-4651.	5.5	56
12	Nonlinear Optical Thermometryâ€”A Novel Temperature Sensing Strategy via Second Harmonic Generation (SHG) and Upconversion Luminescence in BaTiO₃:Ho³⁺,Yb³⁺ Perovskite. Advanced Optical Materials, 2021, 9, 2100386.	7.3	37
13	Synthesis, structural characterization and luminescence properties of new Na0.3-x NdxAl0.3Si0.7O2+Î´ (0â€“0.1) ceramics for optical applications. Journal of Materials Research and Technology, 2021, 13, 1181-1190.	5.8	2
14	Laser Refrigeration by an Ytterbiumâ€Doped NaYF₄ Microspinner. Small, 2021, 17, e2103122.	10.0	7
15	Improving the sensitivity of WGM pressure sensors with oxyfluoride glass microspheres. Journal of Luminescence, 2021, 238, 118249.	3.1	2
16	1000ÂK optical ratiometric thermometer based on Er3+ luminescence in yttrium gallium garnet. Journal of Alloys and Compounds, 2021, 886, 161188.	5.5	12
17	Temperature Sensing with Nd3+ Doped YAS Laser Microresonators. Applied Sciences (Switzerland), 2021, 11, 1117.	2.5	4
18	Energy Transfer Studies in Tb3+-Yb3+ Co-Doped Phosphate Glasses. Materials, 2021, 14, 6782.	2.9	1

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19	Near infrared and upconversion luminescence of Tm3+-Yb3+codoped CdF2 single crystals. Journal of Luminescence, 2020, 228, 117594.	3.1	4
20	Luminescent Nd³⁺â€Based Microresonators Working as Optical Vacuum Sensors. Advanced Optical Materials, 2020, 8, 2000678.	7.3	25
21	Judd-Ofelt parameters of RE3+-doped fluorotellurite glass (RE3+= Pr3+, Nd3+, Sm3+, Tb3+, Dy3+, Ho3+,) Tj ETQq1 1 0.784314 rgBT /	5.5	40
22	Er3+/Ho3+ codoped nanogarnet as an optical FIR based thermometer for a wide range of high and low temperatures. Journal of Alloys and Compounds, 2020, 847, 156541.	5.5	24
23	Visible and NIR emitting Yb(<scp>iii</scp>) and Er(<scp>iii</scp>) complexes sensitized by Î²-diketonates and phenanthroline derivatives. RSC Advances, 2020, 10, 27815-27823.	3.6	11
24	Luminescent Nanothermometer Operating at Very High Temperatureâ€"Sensing up to 1000 K with Upconverting Nanoparticles (Yb³⁺/Tm³⁺). ACS Applied Materials & Interfaces, 2020, 12, 43933-43941.	8.0	130
25	Inert Shell Effect on the Quantum Yield of Neodymium-Doped Near-Infrared Nanoparticles: The Necessary Shield in an Aqueous Dispersion. Nano Letters, 2020, 20, 7648-7654.	9.1	37
26	Upconversion in Detail: Multicolor Emission of Yb/Er/Tmâ€Doped Nanoparticles under 800, 975, 1208, and 1532 nm Excitation Wavelengths. Particle and Particle Systems Characterization, 2020, 37, 2000068.	2.3	13
27	Quantum cutting and near-infrared emissions in Ho3+/Yb3+ codoped transparent glass-ceramics. Journal of Luminescence, 2020, 226, 117424.	3.1	23
28	Sr₂LuF₇:Yb³⁺â€“Ho³⁺â€“Er³⁺ Upconverting Nanoparticles as Luminescent Thermometers in the First, Second, and Third Biological Windows. ACS Applied Nano Materials, 2020, 3, 6406-6415.	5.0	80
29	Ultraviolet- and Near-Infrared-Excitable LaPO₄:Yb³⁺/Tm³⁺/Ln³⁺ (Ln = Eu, Tb) Nanoparticles for Luminescent Fibers and Optical Thermometers. ACS Applied Nano Materials, 2020, 3, 6541-6551.	5.0	31
30	Optical Vacuum Sensor Based on Lanthanide Upconversionâ€"Luminescence Thermometry as a Tool for Ultralow Pressure Sensing. Advanced Materials Technologies, 2020, 5, 1901091.	5.8	102
31	Energy transfer, structural and luminescent properties of the color tunable phosphor Y2WO6:Sm3+. Journal of Alloys and Compounds, 2020, 835, 155381.	5.5	9
32	Amorphous glass-perovskite composite as solid electrolyte for lithium-ion battery. Materials Letters, 2019, 254, 294-296.	2.6	17
33	Synthesis, luminescence, and electrical properties of Na6Mg(SO4)4:xEu vanthoffite ceramics as electrode materials for sodium ion batteries. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2019, 247, 114384.	3.5	6
34	Near-infrared to visible upconversion and second harmonic generation in BaTiO3:Ho3+ and BaTiO3:Ho3+/Yb3+ phosphors. Journal of Alloys and Compounds, 2019, 806, 1146-1152.	5.5	14
35	GdVO4:Er3+/Yb3+ nanocrystalline powder as fluorescence temperature sensor. Application to monitor the temperature of an electrical component. Sensors and Actuators A: Physical, 2019, 299, 111628.	4.1	19
36	Near-infrared and upconversion luminescence of Tm3+ and Tm3+/Yb3+-doped oxyfluorosilicate glasses. Journal of Non-Crystalline Solids, 2019, 507, 1-10.	3.1	40

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37	Praseodymium doped YF3:Pr3+ nanoparticles as optical thermometer based on luminescence intensity ratio (LIR) â€“ Studies in visible and NIR range. Journal of Luminescence, 2019, 214, 116571.	3.1	65
38	Luminescent-plasmonic coreâ€“shell microspheres, doped with Nd3+ and modified with gold nanoparticles, exhibiting whispering gallery modes and SERS activity. Journal of Rare Earths, 2019, 37, 1152-1156.	4.8	14
39	Holmium doped fiber thermal sensing based on an optofluidic Fabry-Perot microresonator. Journal of Luminescence, 2019, 206, 492-497.	3.1	5
40	Luminescence whispering gallery modes in Ho3+ doped microresonator glasses for temperature sensing. Journal of Alloys and Compounds, 2019, 777, 198-203.	5.5	17
41	Fluorescence intensity ratio and whispering gallery mode techniques in optical temperature sensors: comparative study. Optical Materials Express, 2019, 9, 4126.	3.0	8
42	Downshifting maximization procedure applied to [Eu(bphen)(tta)3] at different concentrations applied to a photovoltaic device and covered with a hemispherical reflector. Sensors and Actuators A: Physical, 2018, 271, 60-65.	4.1	13
43	High pressure luminescence of Nd3+ in YAlO3 perovskite nanocrystals: A crystal-field analysis. Journal of Chemical Physics, 2018, 148, 044201.	3.0	21
44	Near-infrared and blue cooperative Yb3+ luminescence in Lu3Sc2Ga3O12 nano-garnets. Materials Research Bulletin, 2018, 101, 347-352.	5.2	9
45	High pressure sensitivity of anti-Stokes fluorescence in Nd3+ doped yttrium orthoaluminate nano-perovskites. Journal of Luminescence, 2018, 196, 20-24.	3.1	5
46	Carbon dots as temperature nanosensors in the physiological range. Journal of Luminescence, 2018, 196, 313-315.	3.1	18
47	Upconverting lanthanide doped fluoride NaLuF4:Yb3+-Er3+-Ho3+ - optical sensor for multi-range fluorescence intensity ratio (FIR) thermometry in visible and NIR regions. Journal of Luminescence, 2018, 201, 104-109.	3.1	91
48	Spectroscopic studies on Yb 3+ -doped tungsten-tellurite glasses for laser applications. Journal of Non-Crystalline Solids, 2018, 479, 9-15.	3.1	27
49	Upconversion emission of ZrO2 nanoparticles doped with erbium (Er3+) and ytterbium (Yb3+), synthesized by hydrothermal route. Ceramics International, 2018, 44, 154-157.	4.8	19
50	Comparison of the sensitivity as optical temperature sensor of nano-perovskite doped with Nd3+ ions in the first and second biological windows. Sensors and Actuators B: Chemical, 2018, 255, 970-976.	7.8	110
51	Lanthanide-doped Y3Ga5O12 garnets for nanoheating and nanothermometry in the first biological window. Optical Materials, 2018, 84, 46-51.	3.6	25
52	Alternative and fully experimental procedure for characterizing down-shifters placed on photovoltaic devices. Solar Energy Materials and Solar Cells, 2018, 185, 312-317.	6.2	8
53	Analysis of the upconversion emission of yttrium orthoaluminate nano-perovskite co-doped with Er3+/Yb3+ ions for thermal sensing applications. Journal of Luminescence, 2018, 202, 316-321.	3.1	14
54	Up-conversion processes in Ln(III)-doped luminescent materials for photovoltaics and photocatalysis. , 2018, , 291-333.		1

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55	Nanoperovskite doped with Yb3+ and Tm3+ ions used as an optical upconversion temperature sensor. Optical Materials, 2018, 83, 187-191.	3.6	9
56	Whispering gallery modes in a holmium doped glass microsphere: Temperature sensor in the second biological window. Optical Materials, 2018, 83, 207-211.	3.6	14
57	Structural properties, Juddâ€“Ofelt calculations, and near infrared to visible photon up-conversion in Er³⁺/Yb³⁺ doped BaTiO₃ phosphors under excitation at 1500 nm. RSC Advances, 2017, 7, 10529-10538.	3.6	25
58	Luminescence properties of Pr3+ ion doped Mg-picromerite Tutton salt. Journal of Luminescence, 2017, 188, 148-153.	3.1	13
59	A compact and portable optofluidic device for detection of liquid properties and label-free sensing. Journal Physics D: Applied Physics, 2017, 50, 215103.	2.8	7
60	Structure, morphology and optical characterization of Dy 3+ -doped BaYF 5 nanocrystals for warm white light emitting devices. Optical Materials, 2017, 70, 16-24.	3.6	36
61	Spectroscopic properties of Nd 3+ ions in YAP nano-perovskites. Journal of Luminescence, 2017, 188, 204-208.	3.1	9
62	Er3+-doped tellurite glasses for enhancing a solar cell photocurrent through photon upconversion upon 1500Ânm excitation. Materials Chemistry and Physics, 2017, 199, 67-72.	4.0	49
63	Synthesis and optical characterization of Er-doped bismuth titanate nanoparticles grown by solâ€“gel hydrothermal method. Ceramics International, 2017, 43, 3623-3630.	4.8	13
64	Enhanced green fluorescent protein in optofluidic Fabry-Perot microcavity to detect laser induced temperature changes in a bacterial culture. Applied Physics Letters, 2017, 111, .	3.3	4
65	In Vivo Subcutaneous Thermal Video Recording by Supersensitive Infrared Nanothermometers. Advanced Functional Materials, 2017, 27, 1702249.	14.9	159
66	Optical properties of Nd3+-doped Tutton salts crystals. Journal of Luminescence, 2017, 192, 136-140.	3.1	2
67	Structural, Vibrational, and Elastic Properties of Yttrium Orthoaluminate Nanoperovskite at High Pressures. Journal of Physical Chemistry C, 2017, 121, 15353-15367.	3.1	13
68	Up-conversion photoluminescence of BaTiO3 doped with Er3+ under excitation at 1500 nm. Materials Research Bulletin, 2017, 86, 95-100.	5.2	12
69	Europium and potassium co-doped strontium metaborate single crystals grown by the Czochralski method. Journal of Crystal Growth, 2017, 457, 107-111.	1.5	2
70	Liquid whispering-gallery-mode resonator as a humidity sensor. Optics Express, 2017, 25, 1165.	3.4	38
71	X-ray nanoimaging of Nd^3+ optically active ions embedded in Sr_05Ba_05Nb_2O_6 nanocrystals. Optical Materials Express, 2017, 7, 2424.	3.0	4
72	Yttrium orthoaluminate nanoperovskite doped with Tm^3+ ions as upconversion optical temperature sensor in the near-infrared region. Optics Express, 2017, 25, 27845.	3.4	22

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73	Synthesis and characterization of SrSnO₃ doped with Er³⁺ for up-conversion luminescence temperature sensors. RSC Advances, 2017, 7, 46796-46802.	3.6	49
74	Blue up-conversion emission of Yb3+-doped langbeinite salts. Optical Materials, 2016, 53, 190-194.	3.6	13
75	Synthesis, structural characterization and optical study of Dy 3+ -doped langbeinite salts. Journal of Luminescence, 2016, 177, 160-165.	3.1	12
76	Cathode and ion-luminescence of Eu:ZnO thin films prepared by reactive magnetron sputtering and plasma decomposition of non-volatile precursors. Journal of Luminescence, 2016, 178, 139-146.	3.1	9
77	Synthesis, characterization and spectroscopic properties of a new Nd 3+ -doped Co-picromerite-type Tutton salt. Journal of Luminescence, 2016, 177, 93-98.	3.1	14
78	Regular oscillations and random motion of glass microspheres levitated by a single optical beam in air. Optics Express, 2016, 24, 2850.	3.4	8
79	Glass heating through submicron spots produced with silica microspheres. Journal of Luminescence, 2016, 180, 8-13.	3.1	4
80	Adaptive WHTS-Assisted SDMA-OFDM Scheme for Fair Resource Allocation in Multi-User Visible Light Communications. Journal of Optical Communications and Networking, 2016, 8, 427.	4.8	7
81	Structure, luminescence and magnetic properties of an erbium(iii) Î²-diketonate homodinuclear complex. New Journal of Chemistry, 2016, 40, 8251-8261.	2.8	17
82	2CaOÂ·Al 2 O 3 :Er 3+ glass: An efficient optical temperature sensor. Journal of Luminescence, 2016, 179, 272-279.	3.1	54
83	Portable IR dye laser optofluidic microresonator as a temperature and chemical sensor. Optics Express, 2016, 24, 14383.	3.4	11
84	Timing synchronization for OFDM-based visible light communication system. , 2016, , .		7
85	Novel perovskite ceramics for chemical looping combustion application. Journal of CO2 Utilization, 2016, 13, 95-104.	6.8	25
86	Effect of pH on the optical and structural properties of HfO2:Ln3+, synthesized by hydrothermal route. Journal of Luminescence, 2016, 175, 243-248.	3.1	22
87	Upconversion emission of a novel glass ceramic containing Er 3+ , Yb 3+ :Sr 1â^'x Y x F 2+x nano-crystals. Journal of Luminescence, 2016, 172, 201-207.	3.1	13
88	Analysis of the upconversion process in Tm3+ doped glasses for enhancement of the photocurrent in silicon solar cells. Solar Energy Materials and Solar Cells, 2016, 144, 29-32.	6.2	24
89	Blueâ€"green cooperative upconverted luminescence and radiative energy transfer in Yb 3+ -doped tungsten tellurite glass. Journal of Luminescence, 2016, 169, 233-237.	3.1	13
90	Neodymium-doped nanoparticles for infrared fluorescence bioimaging: The role of the host. Journal of Applied Physics, 2015, 118, .	2.5	102

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91	Infraredâ€toâ€Visible Light Conversion in Er³⁺â€“Yb³⁺:Lu₃Ga₅O₁₂ Nanogarnets. ChemPhysChem, 2015, 16, 3928-3936.	2.1	14
92	Temperature response of the whispering gallery mode resonances from the green upconversion emission of an Er3+â€“Yb3+ co-doped microsphere. Laser Physics Letters, 2015, 12, 046003.	1.4	13
93	Temperature dependence of the whispering gallery modes obtained in a glass microsphere codoped with Er3+â€“Yb3+ ions. Sensors and Actuators A: Physical, 2015, 233, 422-426.	4.1	13
94	Site selective luminescence of Eu3+ ions in K2Mg(SO4)2â‹…6H2O crystal. Optical Materials, 2015, 46, 339-344.	3.6	12
95	Random laser in biological tissues impregnated with a fluorescent anticancer drug. Laser Physics Letters, 2015, 12, 045805.	1.4	57
96	Chemical pressure effects on the spectroscopic properties of Nd^3+-doped gallium nano-garnets. Optical Materials Express, 2015, 5, 1661.	3.0	34
97	Spontaneous and stimulated emission in Sm3+-doped YAl3(BO3)4 single crystal. Journal of Luminescence, 2015, 167, 163-166.	3.1	7
98	Investigation of spectroscopic properties and energy transfer between Ce and Dy in (Lu0.2Gd0.8â^'xâ^'yCexDyy)2SiO5 single crystals. Journal of Luminescence, 2015, 166, 304-312.	3.1	3
99	Photon avalanche upconversion in Ho3+-doped gallium nano-garnets. Optical Materials, 2015, 39, 16-20.	3.6	11
100	Synthesis, structural modelling and luminescence of a novel erbium(III) complex with 2,4-nonanedione and 2,2â€²-bipyridine ligands for chitosan matrices doping. Optical Materials, 2015, 41, 139-142.	3.6	8
101	Slow magnetic relaxation mechanisms in erbium SIMs. Dalton Transactions, 2015, 44, 1264-1272.	3.3	13
102	An erbium(III)-based NIR emitter with a highly conjugated Î²-diketonate for blue-region sensitization. Journal of Alloys and Compounds, 2015, 619, 553-559.	5.5	21
103	Multi-User Visible Light Communications. , 2014, , .		4
104	Effect of substitution of lutetium by gadolinium on emission characteristics of (Lu_xGd_1-x)_2SiO_5: Sm^3+ single crystals. Optical Materials Express, 2014, 4, 739.	3.0	9
105	Optimizing white light luminescence in Dy3+-doped Lu3Ga5O12 nano-garnets. Journal of Applied Physics, 2014, 116, .	2.5	24
106	Investigation on Crystallization and Optical Properties of <scp><scp>Ca</scp></scp>_{1â^'x}<scp><scp>La</scp></scp>_x<scp><scp>F</scp></scp>_{2+x}Glassâ€Ceramics. Journal of the American Ceramic Society, 2014, 97, 782-788.	3.8	7
107	Behavior of Yb³⁺and Er³⁺during Heat Treatment in Oxyfluoride Glass Ceramics. Journal of Nanomaterials, 2014, 2014, 1-10.	2.7	5
108	Photon avalanche upconversion in Ho3+â€“Yb3+ co-doped transparent oxyfluoride glassâ€“ceramics. Chemical Physics Letters, 2014, 600, 34-37.	2.6	17

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109	A direct white-light-emitting coordination polymers with tunable greenâ€“white photoluminescence by variation of counterion. Inorganic Chemistry Communication, 2014, 39, 14-20.	3.9	9
110	Relevance of radiative transfer processes on Nd3+ doped phosphate glasses for temperature sensing by means of the fluorescence intensity ratio technique. Sensors and Actuators B: Chemical, 2014, 195, 324-331.	7.8	80
111	Spectroscopy and radiation trapping of Yb3+ ions in lead phosphate glasses. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 140, 37-47.	2.3	36
112	Active layer solution-processed NIR-OLEDs based on ternary erbium(<scp>iii</scp>) complexes with 1,1,1-trifluoro-2,4-pentanedione and different N,N-donors. Dalton Transactions, 2014, 43, 18087-18096.	3.3	27
113	Highly fluorinated erbium(III) complexes for emission in the C-band. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 292, 16-25.	3.9	17
114	Analysis of the upconversion processes of Nd3+ ions in transparent YAG ceramics. Ceramics International, 2014, 40, 15951-15956.	4.8	13
115	Energy transfer processes in Eu3+ doped nanocrystalline La2TeO6 phosphor. Journal of Luminescence, 2014, 145, 553-556.	3.1	10
116	Crystallization of nano calcium fluoride in CaF2â€“Al2O3â€“SiO2 system. Solid State Sciences, 2013, 17, 76-82.	3.2	24
117	Optical characterization of Er3+-doped zinc fluorophosphate glasses for optical temperature sensors. Sensors and Actuators B: Chemical, 2013, 186, 156-164.	7.8	107
118	Structure and NIR-luminescence of ytterbium(iii) beta-diketonate complexes with 5-nitro-1,10-phenanthroline ancillary ligand: assessment of chain length and fluorination impact. Dalton Transactions, 2013, 42, 13516.	3.3	38
119	Effects of Er3+ concentration on thermal sensitivity in optical temperature fluorotellurite glass sensors. Sensors and Actuators B: Chemical, 2013, 176, 1167-1175.	7.8	137
120	Upconversion emission in rare earth doped materials under near infrared excitation using silica microspheres as focusing lenses. , 2013, , .		0
121	Novel erbium(iii) complexes with 2,6-dimethyl-3,5-heptanedione and different N,N-donor ligands for ormosil and PMMA matrices doping. Journal of Materials Chemistry C, 2013, 1, 5701.	5.5	35
122	Nanocrystal formation using laser irradiation on Nd3+ doped barium titanium silicate glasses. Journal of Alloys and Compounds, 2013, 553, 35-39.	5.5	6
123	Experimental enhancement of the photocurrent in a solar cell using upconversion process in fluoroindate glasses exciting at 1480nm. Solar Energy Materials and Solar Cells, 2013, 116, 171-175.	6.2	44
124	Study of the focusing effect of silica microspheres on the upconversion of Er3+â€“Yb3+ codoped glass ceramics. Journal of Alloys and Compounds, 2013, 576, 363-368.	5.5	9
125	Clustering of Aerosols in a Single Potential-well Trap. , 2013, , .		0
126	Upconversion emission obtained in Yb^3+-Er^3+ doped fluoroindate glasses using silica microspheres as focusing lens. Optics Express, 2013, 21, 10667.	3.4	15

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127	High pressure tuning of whispering gallery mode resonances in a neodymium-doped glass microsphere. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 3254.	2.1	18
128	Enhanced energy upconversion and super-resolved focused spot generation in Tm^3+-Yb^3+ codoped glass using silica microspheres. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 1392.	2.1	4
129	Laser emission in Nd³⁺doped bariumâ€“titaniumâ€“silicate microspheres under continuous and chopped wave pumping in a non-coupled pumping scheme. Laser Physics, 2013, 23, 075801.	1.2	11
130	Local characterization of rare-earth-doped single microspheres by combined microtransmission and microphotoluminescence techniques. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 3293.	2.1	7
131	Role of the host matrix on the thermal sensitivity of Er3+ luminescence in optical temperature sensors. Sensors and Actuators B: Chemical, 2012, 174, 176-186.	7.8	168
132	Improved Cooperative Emission in Ytterbiumâ€Doped Oxyfluoride Glassâ€Ceramics Containing <scp><scp>CaF</scp></scp>₂ Nanocrystals. Journal of the American Ceramic Society, 2012, 95, 3827-3833.	3.8	20
133	Effect of alumina content and heat treatment on microstructure and upconversion emission of Er3+ ions in oxyfluoride glass-ceramics. Journal of Rare Earths, 2012, 30, 1228-1234.	4.8	13
134	Highâ€Sensitivity Fluorescence Lifetime Thermal Sensing Based on CdTe Quantum Dots. Small, 2012, 8, 2652-2658.	10.0	130
135	Er3+â€“Yb3+ codoped phosphate glasses used for an efficient 1.5Î¼m broadband gain medium. Optical Materials, 2012, 34, 1235-1240.	3.6	69
136	Optical study of the effect of the impurity content on the ferroelectric properties of Er3+ doped SBN glass-ceramic samples. Journal of Applied Physics, 2011, 110, .	2.5	7
137	Whispering gallery modes in a glass microsphere as a function of temperature. Optics Express, 2011, 19, 25792.	3.4	39
138	Whispering-gallery modes in glass microspheres: optimization of pumping in a modified confocal microscope. Optics Letters, 2011, 36, 615.	3.3	26
139	Upconversion mechanisms in rare-earth doped glasses to improve the efficiency of silicon solar cells. Solar Energy Materials and Solar Cells, 2011, 95, 1671-1677.	6.2	99
140	Analysis of Er3+ and Ho3+ codoped fluoroindate glasses as wide range temperature sensor. Materials Research Bulletin, 2011, 46, 1051-1054.	5.2	90
141	Optical gain by upconversion in Tmâ€“Yb oxyfluoride glass ceramic. Applied Physics B: Lasers and Optics, 2011, 104, 237-240.	2.2	1
142	Optical amplification properties of Dy3+-doped Gd2SiO4, Lu2SiO5 and YAl3(BO3)4 single crystals. Applied Physics B: Lasers and Optics, 2011, 103, 597-602.	2.2	12
143	Optical properties of transparent Dy3+ doped Ba2TiSi2O8 glass ceramic. Optical Materials, 2011, 33, 738-741.	3.6	16
144	Characterization of Er3+ and Nd3+ doped Strontium Barium Niobate glass ceramic as temperature sensors. Optical Materials, 2011, 33, 742-745.	3.6	104

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145	Nanocrystals formation on Ho3+ doped strontium barium niobate glass. Journal of Luminescence, 2011, 131, 657-661.	3.1	3
146	Synthesis, characterization and optical spectroscopy of Eu3+ doped titanate nanotubes. Journal of Luminescence, 2011, 131, 2473-2477.	3.1	19
147	Transfer and backtransfer processes in Yb3+â€“Er3+ codoped Strontium Barium Niobate glass-ceramics. Journal of Luminescence, 2011, 131, 2446-2450.	3.1	9
148	Stimulated emission in the red, green, and blue in a nanostructured glass ceramics. Journal of Applied Physics, 2011, 109, 043102-043102-6.	2.5	9
149	Structural changes induced on strontium barium niobate glass byÂfemtosecond laser irradiation. Applied Physics A: Materials Science and Processing, 2010, 98, 879-884.	2.3	4
150	Analysis of the optical properties of Er3+-doped strontium barium niobate nanocrystals using time-resolved laser spectroscopy. Applied Physics A: Materials Science and Processing, 2010, 99, 771-776.	2.3	3
151	Second harmonic generation in Er3+â€“Yb3+:YBO3. Materials Letters, 2010, 64, 650-653.	2.6	3
152	Crystallization effect on Tm3+â€“Yb3+ codoped SBN glass ceramics. Optical Materials, 2010, 32, 1385-1388.	3.6	4
153	Optical amplification by upconversion in Tmâ€“Yb fluoroindate glass. Optical Materials, 2010, 32, 1349-1351.	3.6	9
154	Local devitrification of Dy3+ doped Ba2TiSi2O8 glass by laser irradiation. Optical Materials, 2010, 33, 186-190.	3.6	19
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