

Inocencio Rafael Martin

List of Publications by Year in descending order

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241
papers

6,343
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76031

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246
docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Optical thermometry based on upconversion emissions in Na ₃ Gd(VO ₄) ₂ : Yb ³⁺ +Er ³⁺ /Ho ³⁺ micro crystals. Journal of Alloys and Compounds, 2022, 891, 161993.	2.8	34
2	Photoluminescence and energy transfer studies in Ce ³⁺ +Sm ³⁺ co-doped phosphate glasses. Journal of Luminescence, 2022, 241, 118471.	1.5	10
3	Enhanced red up-conversion emission in Er ³⁺ /Yb ³⁺ co-doped SrSnO ₃ for optical temperature sensing based on thermally and non-thermally coupled levels. Journal of Luminescence, 2022, 244, 118687.	1.5	23
4	Highly luminescent mixed-ligand bimetallic lanthanoid (Ln^{3+}) complexes for photovoltaic applications. Dalton Transactions, 2022, 51, 3146-3158.	1.6	5
5	Temperature sensor based on luminescence intensity ratio or whispering gallery modes in phosphate glass co-doped with Pr ³⁺ and Yb ³⁺ . Optics and Laser Technology, 2022, 149, 107893.	2.2	4
6	A novel optical thermometry strategy based on emission of Tm ³⁺ /Yb ³⁺ codoped Na ₃ GdV ₂ O ₈ phosphors. Dalton Transactions, 2022, 51, 5108-5117.	1.6	24
7	Boltzmann vs. non-Boltzmann (non-linear) thermometry - Yb ³⁺ +Er ³⁺ activated dual-mode thermometer and phase transition sensor via second harmonic generation. Journal of Alloys and Compounds, 2022, 906, 164329.	2.8	14
8	Analysis of down conversion and back-transfer processes in Pr ³⁺ +Yb ³⁺ co-doped phosphate glasses. Optical Materials, 2022, 131, 112604.	1.7	2
9	Supersensitive Ratiometric Thermometry and Manometry Based on Dual-Emitting Centers in Eu ²⁺ /Sm ²⁺ -Doped Strontium Tetraborate Phosphors. Advanced Optical Materials, 2022, 10, .	3.6	35
10	Multifunctional cellulose fibers: Intense red upconversion under 1532Ånm excitation and temperature-sensing properties. Carbohydrate Polymers, 2022, 294, 119782.	5.1	10
11	Optical pressure sensing in vacuum and high-pressure ranges using lanthanide-based luminescent thermometer-manometer. Journal of Materials Chemistry C, 2021, 9, 4643-4651.	2.7	56
12	Nonlinear Optical Thermometry-A Novel Temperature Sensing Strategy via Second Harmonic Generation (SHG) and Upconversion Luminescence in BaTiO ₃ :Ho ³⁺ ,Yb ³⁺ Perovskite. Advanced Optical Materials, 2021, 9, 2100386.	3.6	37
13	Synthesis, structural characterization and luminescence properties of new Na _{0.3-x} NdxAl _{0.3} Si _{0.7} O ₂ +r' (0≤r'≤0.1) ceramics for optical applications. Journal of Materials Research and Technology, 2021, 13, 1181-1190.	2.6	2
14	Laser Refrigeration by an Ytterbium-Doped NaYF ₄ Microspinner. Small, 2021, 17, e2103122.	5.2	7
15	Improving the sensitivity of WGM pressure sensors with oxyfluoride glass microspheres. Journal of Luminescence, 2021, 238, 118249.	1.5	2
16	1000ÅK optical ratiometric thermometer based on Er ³⁺ luminescence in yttrium gallium garnet. Journal of Alloys and Compounds, 2021, 886, 161188.	2.8	12
17	Temperature Sensing with Nd ³⁺ Doped YAS Laser Microresonators. Applied Sciences (Switzerland), 2021, 11, 1117.	1.3	4
18	Energy Transfer Studies in Tb ³⁺ +Yb ³⁺ Co-Doped Phosphate Glasses. Materials, 2021, 14, 6782.	1.3	1

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19	Near infrared and upconversion luminescence of Tm ³⁺ -Yb ³⁺ -codoped CdF ₂ single crystals. Journal of Luminescence, 2020, 228, 117594.	1.5	4
20	Luminescent Nd ³⁺ -Based Microresonators Working as Optical Vacuum Sensors. Advanced Optical Materials, 2020, 8, 2000678.	3.6	25
21	Judd-Ofelt parameters of RE ³⁺ -doped fluorotellurite glass (RE ³⁺ = Pr ³⁺ , Nd ³⁺ , Sm ³⁺ , Tb ³⁺ , Dy ³⁺ , Ho ³⁺ .) Tj ETQq1 1 0.7843 14 rgBT / 2.8 40	2.8	40
22	Er ³⁺ /Ho ³⁺ 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.	2.8	24
23	Visible and NIR emitting Yb(ⁱⁱⁱ) and Er(ⁱⁱⁱ) complexes sensitized by β^2 -diketonates and phenanthroline derivatives. RSC Advances, 2020, 10, 27815-27823.	1.7	11
24	Luminescent Nanothermometer Operating at Very High Temperature—Sensing up to 1000 K with Upconverting Nanoparticles (Yb ³⁺ /Tm ³⁺). ACS Applied Materials & Interfaces, 2020, 12, 43933-43941.	4.0	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.	4.5	37
26	Upconversion in Detail: Multicolor Emission of Yb/Er/Tm-Doped Nanoparticles under 800, 975, 1208, and 1532 nm Excitation Wavelengths. Particle and Particle Systems Characterization, 2020, 37, 2000068.	1.2	13
27	Quantum cutting and near-infrared emissions in Ho ³⁺ /Yb ³⁺ codoped transparent glass-ceramics. Journal of Luminescence, 2020, 226, 117424.	1.5	23
28	Sr ₂ LuF ₇ :Yb ³⁺ —Ho ³⁺ —Er ³⁺ Upconverting Nanoparticles as Luminescent Thermometers in the First, Second, and Third Biological Windows. ACS Applied Nano Materials, 2020, 3, 6406-6415.	2.4	80
29	Ultraviolet- and Near-Infrared-Excitable LaPO ₄ :Yb ³⁺ /Tm ³⁺ /Ln ³⁺ (Ln = Eu, Tb) Nanoparticles for Luminescent Fibers and Optical Thermometers. ACS Applied Nano Materials, 2020, 3, 6541-6551.	2.4	31
30	Optical Vacuum Sensor Based on Lanthanide Upconversion—Luminescence Thermometry as a Tool for Ultralow Pressure Sensing. Advanced Materials Technologies, 2020, 5, 1901091.	3.0	102
31	Energy transfer, structural and luminescent properties of the color tunable phosphor Y ₂ WO ₆ :Sm ³⁺ . Journal of Alloys and Compounds, 2020, 835, 155381.	2.8	9
32	Amorphous glass-perovskite composite as solid electrolyte for lithium-ion battery. Materials Letters, 2019, 254, 294-296.	1.3	17
33	Synthesis, luminescence, and electrical properties of Na ₆ Mg(SO ₄) 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.	1.7	6
34	Near-infrared to visible upconversion and second harmonic generation in BaTiO ₃ :Ho ³⁺ and BaTiO ₃ :Ho ³⁺ /Yb ³⁺ phosphors. Journal of Alloys and Compounds, 2019, 806, 1146-1152.	2.8	14
35	GdVO ₄ :Er ³⁺ /Yb ³⁺ nanocrystalline powder as fluorescence temperature sensor. Application to monitor the temperature of an electrical component. Sensors and Actuators A: Physical, 2019, 299, 111628.	2.0	19
36	Near-infrared and upconversion luminescence of Tm ³⁺ and Tm ³⁺ /Yb ³⁺ -doped oxyfluorosilicate glasses. Journal of Non-Crystalline Solids, 2019, 507, 1-10.	1.5	40

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37	Praseodymium doped YF ₃ :Pr ³⁺ nanoparticles as optical thermometer based on luminescence intensity ratio (LIR) in visible and NIR range. <i>Journal of Luminescence</i> , 2019, 214, 116571.	1.5	65
38	Luminescent-plasmonic core-shell microspheres, doped with Nd ³⁺ and modified with gold nanoparticles, exhibiting whispering gallery modes and SERS activity. <i>Journal of Rare Earths</i> , 2019, 37, 1152-1156.	2.5	14
39	Holmium doped fiber thermal sensing based on an optofluidic Fabry-Perot microresonator. <i>Journal of Luminescence</i> , 2019, 206, 492-497.	1.5	5
40	Luminescence whispering gallery modes in Ho ³⁺ doped microresonator glasses for temperature sensing. <i>Journal of Alloys and Compounds</i> , 2019, 777, 198-203.	2.8	17
41	Fluorescence intensity ratio and whispering gallery mode techniques in optical temperature sensors: comparative study. <i>Optical Materials Express</i> , 2019, 9, 4126.	1.6	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. <i>Sensors and Actuators A: Physical</i> , 2018, 271, 60-65.	2.0	13
43	High pressure luminescence of Nd ³⁺ in YAlO ₃ perovskite nanocrystals: A crystal-field analysis. <i>Journal of Chemical Physics</i> , 2018, 148, 044201.	1.2	21
44	Near-infrared and blue cooperative Yb ³⁺ luminescence in Lu ₃ Sc ₂ Ga ₃ O ₁₂ nano-garnets. <i>Materials Research Bulletin</i> , 2018, 101, 347-352.	2.7	9
45	High pressure sensitivity of anti-Stokes fluorescence in Nd ³⁺ doped yttrium orthoaluminate nano-perovskites. <i>Journal of Luminescence</i> , 2018, 196, 20-24.	1.5	5
46	Carbon dots as temperature nanosensors in the physiological range. <i>Journal of Luminescence</i> , 2018, 196, 313-315.	1.5	18
47	Upconverting lanthanide doped fluoride NaLuF ₄ :Yb ³⁺ -Er ³⁺ -Ho ³⁺ - optical sensor for multi-range fluorescence intensity ratio (FIR) thermometry in visible and NIR regions. <i>Journal of Luminescence</i> , 2018, 201, 104-109.	1.5	91
48	Spectroscopic studies on Yb ³⁺ -doped tungsten-tellurite glasses for laser applications. <i>Journal of Non-Crystalline Solids</i> , 2018, 479, 9-15.	1.5	27
49	Upconversion emission of ZrO ₂ nanoparticles doped with erbium (Er ³⁺) and ytterbium (Yb ³⁺), synthesized by hydrothermal route. <i>Ceramics International</i> , 2018, 44, 154-157.	2.3	19
50	Comparison of the sensitivity as optical temperature sensor of nano-perovskite doped with Nd ³⁺ ions in the first and second biological windows. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 970-976.	4.0	110
51	Lanthanide-doped Y ₃ Ga ₅ O ₁₂ garnets for nanoheating and nanothermometry in the first biological window. <i>Optical Materials</i> , 2018, 84, 46-51.	1.7	25
52	Alternative and fully experimental procedure for characterizing down-shifters placed on photovoltaic devices. <i>Solar Energy Materials and Solar Cells</i> , 2018, 185, 312-317.	3.0	8
53	Analysis of the upconversion emission of yttrium orthoaluminate nano-perovskite co-doped with Er ³⁺ /Yb ³⁺ ions for thermal sensing applications. <i>Journal of Luminescence</i> , 2018, 202, 316-321.	1.5	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 Yb ³⁺ and Tm ³⁺ ions used as an optical upconversion temperature sensor. Optical Materials, 2018, 83, 187-191.	1.7	9
56	Whispering gallery modes in a holmium doped glass microsphere: Temperature sensor in the second biological window. Optical Materials, 2018, 83, 207-211.	1.7	14
57	Structural properties, Judd–Ofelt calculations, and near infrared to visible photon up-conversion in Er ³⁺ /Yb ³⁺ doped BaTiO ₃ phosphors under excitation at 1500 nm. RSC Advances, 2017, 7, 10529-10538.	1.7	25
58	Luminescence properties of Pr ³⁺ ion doped Mg-picromerite Tutton salt. Journal of Luminescence, 2017, 188, 148-153.	1.5	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.	1.3	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.	1.7	36
61	Spectroscopic properties of Nd ³⁺ ions in YAP nano-perovskites. Journal of Luminescence, 2017, 188, 204-208.	1.5	9
62	Er ³⁺ -doped tellurite glasses for enhancing a solar cell photocurrent through photon upconversion upon 1500Ånm excitation. Materials Chemistry and Physics, 2017, 199, 67-72.	2.0	49
63	Synthesis and optical characterization of Er-doped bismuth titanate nanoparticles grown by sol-gel hydrothermal method. Ceramics International, 2017, 43, 3623-3630.	2.3	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, .	1.5	4
65	In Vivo Subcutaneous Thermal Video Recording by Supersensitive Infrared Nanothermometers. Advanced Functional Materials, 2017, 27, 1702249.	7.8	159
66	Optical properties of Nd ³⁺ -doped Tutton salts crystals. Journal of Luminescence, 2017, 192, 136-140.	1.5	2
67	Structural, Vibrational, and Elastic Properties of Yttrium Orthoaluminatite Nanoperovskite at High Pressures. Journal of Physical Chemistry C, 2017, 121, 15353-15367.	1.5	13
68	Up-conversion photoluminescence of BaTiO ₃ doped with Er ³⁺ under excitation at 1500 nm. Materials Research Bulletin, 2017, 86, 95-100.	2.7	12
69	Europium and potassium co-doped strontium metaborate single crystals grown by the Czochralski method. Journal of Crystal Growth, 2017, 457, 107-111.	0.7	2
70	Liquid whispering-gallery-mode resonator as a humidity sensor. Optics Express, 2017, 25, 1165.	1.7	38
71	X-ray nanoimaging of Nd ³⁺ optically active ions embedded in Sr _{0.5} Ba _{0.5} Nb ₂ O ₆ nanocrystals. Optical Materials Express, 2017, 7, 2424.	1.6	4
72	Yttrium orthoaluminatite nanoperovskite doped with Tm ³⁺ ions as upconversion optical temperature sensor in the near-infrared region. Optics Express, 2017, 25, 27845.	1.7	22

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73	Synthesis and characterization of SrSnO ₃ doped with Er ³⁺ for up-conversion luminescence temperature sensors. RSC Advances, 2017, 7, 46796-46802.	1.7	49
74	Blue up-conversion emission of Yb ³⁺ -doped langbeinite salts. Optical Materials, 2016, 53, 190-194.	1.7	13
75	Synthesis, structural characterization and optical study of Dy ³⁺ -doped langbeinite salts. Journal of Luminescence, 2016, 177, 160-165.	1.5	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.	1.5	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.	1.5	14
78	Regular oscillations and random motion of glass microspheres levitated by a single optical beam in air. Optics Express, 2016, 24, 2850.	1.7	8
79	Glass heating through submicron spots produced with silica microspheres. Journal of Luminescence, 2016, 180, 8-13.	1.5	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.	3.3	7
81	Structure, luminescence and magnetic properties of an erbium(iii) β -diketonate homodinuclear complex. New Journal of Chemistry, 2016, 40, 8251-8261.	1.4	17
82	2CaO·Al ₂ O ₃ :Er ³⁺ glass: An efficient optical temperature sensor. Journal of Luminescence, 2016, 179, 272-279.	1.5	54
83	Portable IR dye laser optofluidic microresonator as a temperature and chemical sensor. Optics Express, 2016, 24, 14383.	1.7	11
84	Timing synchronization for OFDM-based visible light communication system. , 2016, , .		7
85	Novel perovskite ceramics for chemical looping combustion application. Journal of CO ₂ Utilization, 2016, 13, 95-104.	3.3	25
86	Effect of pH on the optical and structural properties of HfO ₂ :Ln ³⁺ , synthesized by hydrothermal route. Journal of Luminescence, 2016, 175, 243-248.	1.5	22
87	Upconversion emission of a novel glass ceramic containing Er ³⁺ , Yb ³⁺ :Sr ^{1-x} Y _x F _{2+x} nano-crystals. Journal of Luminescence, 2016, 172, 201-207.	1.5	13
88	Analysis of the upconversion process in Tm ³⁺ doped glasses for enhancement of the photocurrent in silicon solar cells. Solar Energy Materials and Solar Cells, 2016, 144, 29-32.	3.0	24
89	Blue-green cooperative upconverted luminescence and radiative energy transfer in Yb ³⁺ -doped tungsten tellurite glass. Journal of Luminescence, 2016, 169, 233-237.	1.5	13
90	Neodymium-doped nanoparticles for infrared fluorescence bioimaging: The role of the host. Journal of Applied Physics, 2015, 118, .	1.1	102

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91	Infrared to Visible Light Conversion in $\text{Er}^{3+}:\text{Yb}^{3+}:\text{Lu}_3\text{Ga}_5\text{O}_{12}$ Nanogarnets. ChemPhysChem, 2015, 16, 3928-3936.	1.0	14
92	Temperature response of the whispering gallery mode resonances from the green upconversion emission of an $\text{Er}^{3+}:\text{Yb}^{3+}$ co-doped microsphere. Laser Physics Letters, 2015, 12, 046003.	0.6	13
93	Temperature dependence of the whispering gallery modes obtained in a glass microsphere codoped with $\text{Er}^{3+}:\text{Yb}^{3+}$ ions. Sensors and Actuators A: Physical, 2015, 233, 422-426.	2.0	13
94	Site selective luminescence of Eu^{3+} ions in $\text{K}_2\text{Mg}(\text{SO}_4)_2 \cdot 6\text{H}_2\text{O}$ crystal. Optical Materials, 2015, 46, 339-344.	1.7	12
95	Random laser in biological tissues impregnated with a fluorescent anticancer drug. Laser Physics Letters, 2015, 12, 045805.	0.6	57
96	Chemical pressure effects on the spectroscopic properties of Nd^{3+} -doped gallium nano-garnets. Optical Materials Express, 2015, 5, 1661.	1.6	34
97	Spontaneous and stimulated emission in Sm^{3+} -doped $\text{YAl}_3(\text{BO}_3)_4$ single crystal. Journal of Luminescence, 2015, 167, 163-166.	1.5	7
98	Investigation of spectroscopic properties and energy transfer between Ce and Dy in $(\text{Lu}_{0.2}\text{Gd}_{0.8-x}\text{Y}_x\text{Ce}_x\text{Dy})_2\text{SiO}_5$ single crystals. Journal of Luminescence, 2015, 166, 304-312.	1.5	3
99	Photon avalanche upconversion in Ho^{3+} -doped gallium nano-garnets. Optical Materials, 2015, 39, 16-20.	1.7	11
100	Synthesis, structural modelling and luminescence of a novel erbium(III) complex with 2,4-nonanedione and 2,2'-bipyridine ligands for chitosan matrices doping. Optical Materials, 2015, 41, 139-142.	1.7	8
101	Slow magnetic relaxation mechanisms in erbium SIMs. Dalton Transactions, 2015, 44, 1264-1272.	1.6	13
102	An erbium(III)-based NIR emitter with a highly conjugated β^2 -diketonate for blue-region sensitization. Journal of Alloys and Compounds, 2015, 619, 553-559.	2.8	21
103	Multi-User Visible Light Communications. , 2014, , .		4
104	Effect of substitution of lutetium by gadolinium on emission characteristics of $(\text{Lu}_x\text{Gd}_{1-x})_2\text{SiO}_5:\text{Sm}^{3+}$ single crystals. Optical Materials Express, 2014, 4, 739.	1.6	9
105	Optimizing white light luminescence in Dy^{3+} -doped $\text{Lu}_3\text{Ga}_5\text{O}_{12}$ nano-garnets. Journal of Applied Physics, 2014, 116, .	1.1	24
106	Investigation on Crystallization and Optical Properties of $\text{Ca}_{1-x}\text{La}_x\text{F}_2$ Glasses. Journal of the American Ceramic Society, 2014, 97, 782-788.	1.9	5
107	Behavior of Yb^{3+} and Er^{3+} during Heat Treatment in Oxyfluoride Glass Ceramics. Journal of Nanomaterials, 2014, 2014, 1-10.	1.5	5
108	Photon avalanche upconversion in $\text{Ho}^{3+}:\text{Yb}^{3+}$ co-doped transparent oxyfluoride glass-ceramics. Chemical Physics Letters, 2014, 600, 34-37.	1.2	17

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109	A direct white-light-emitting coordination polymers with tunable green-white photoluminescence by variation of counterion. <i>Inorganic Chemistry Communication</i> , 2014, 39, 14-20.	1.8	9
110	Relevance of radiative transfer processes on Nd ³⁺ doped phosphate glasses for temperature sensing by means of the fluorescence intensity ratio technique. <i>Sensors and Actuators B: Chemical</i> , 2014, 195, 324-331.	4.0	80
111	Spectroscopy and radiation trapping of Yb ³⁺ ions in lead phosphate glasses. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014, 140, 37-47.	1.1	36
112	Active layer solution-processed NIR-OLEDs based on ternary erbium(III) complexes with 1,1,1-trifluoro-2,4-pentanedione and different N,N-donors. <i>Dalton Transactions</i> , 2014, 43, 18087-18096.	1.6	27
113	Highly fluorinated erbium(III) complexes for emission in the C-band. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 292, 16-25.	2.0	17
114	Analysis of the upconversion processes of Nd ³⁺ ions in transparent YAG ceramics. <i>Ceramics International</i> , 2014, 40, 15951-15956.	2.3	13
115	Energy transfer processes in Eu ³⁺ doped nanocrystalline La ₂ TeO ₆ phosphor. <i>Journal of Luminescence</i> , 2014, 145, 553-556.	1.5	10
116	Crystallization of nano calcium fluoride in CaF ₂ -Al ₂ O ₃ -SiO ₂ system. <i>Solid State Sciences</i> , 2013, 17, 76-82.	1.5	24
117	Optical characterization of Er ³⁺ -doped zinc fluorophosphate glasses for optical temperature sensors. <i>Sensors and Actuators B: Chemical</i> , 2013, 186, 156-164.	4.0	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. <i>Dalton Transactions</i> , 2013, 42, 13516.	1.6	38
119	Effects of Er ³⁺ concentration on thermal sensitivity in optical temperature fluorotellurite glass sensors. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 1167-1175.	4.0	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. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5701.	2.7	35
122	Nanocrystal formation using laser irradiation on Nd ³⁺ doped barium titanium silicate glasses. <i>Journal of Alloys and Compounds</i> , 2013, 553, 35-39.	2.8	6
123	Experimental enhancement of the photocurrent in a solar cell using upconversion process in fluoroindate glasses exciting at 1480nm. <i>Solar Energy Materials and Solar Cells</i> , 2013, 116, 171-175.	3.0	44
124	Study of the focusing effect of silica microspheres on the upconversion of Er ³⁺ -Yb ³⁺ codoped glass ceramics. <i>Journal of Alloys and Compounds</i> , 2013, 576, 363-368.	2.8	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. <i>Optics Express</i> , 2013, 21, 10667.	1.7	15

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127	High pressure tuning of whispering gallery mode resonances in a neodymium-doped glass microsphere. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013, 30, 3254.	0.9	18
128	Enhanced energy upconversion and super-resolved focused spot generation in Tm ³⁺ -Yb ³⁺ codoped glass using silica microspheres. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013, 30, 1392.	0.9	4
129	Laser emission in Nd ³⁺ -doped barium-titanium-silicate microspheres under continuous and chopped wave pumping in a non-coupled pumping scheme. <i>Laser Physics</i> , 2013, 23, 075801.	0.6	11
130	Local characterization of rare-earth-doped single microspheres by combined microtransmission and microphotoluminescence techniques. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012, 29, 3293.	0.9	7
131	Role of the host matrix on the thermal sensitivity of Er ³⁺ luminescence in optical temperature sensors. <i>Sensors and Actuators B: Chemical</i> , 2012, 174, 176-186.	4.0	168
132	Improved Cooperative Emission in Ytterbium-Doped Oxyfluoride Glass-Ceramics Containing CaF ₂ Nanocrystals. <i>Journal of the American Ceramic Society</i> , 2012, 95, 3827-3833.	1.9	20
133	Effect of alumina content and heat treatment on microstructure and upconversion emission of Er ³⁺ ions in oxyfluoride glass-ceramics. <i>Journal of Rare Earths</i> , 2012, 30, 1228-1234.	2.5	13
134	High-Sensitivity Fluorescence Lifetime Thermal Sensing Based on CdTe Quantum Dots. <i>Small</i> , 2012, 8, 2652-2658.	5.2	130
135	Er ³⁺ -Yb ³⁺ codoped phosphate glasses used for an efficient 1.5 μ m broadband gain medium. <i>Optical Materials</i> , 2012, 34, 1235-1240.	1.7	69
136	Optical study of the effect of the impurity content on the ferroelectric properties of Er ³⁺ doped SBN glass-ceramic samples. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	7
137	Whispering gallery modes in a glass microsphere as a function of temperature. <i>Optics Express</i> , 2011, 19, 25792.	1.7	39
138	Whispering-gallery modes in glass microspheres: optimization of pumping in a modified confocal microscope. <i>Optics Letters</i> , 2011, 36, 615.	1.7	26
139	Upconversion mechanisms in rare-earth doped glasses to improve the efficiency of silicon solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, 1671-1677.	3.0	99
140	Analysis of Er ³⁺ and Ho ³⁺ codoped fluoroindate glasses as wide range temperature sensor. <i>Materials Research Bulletin</i> , 2011, 46, 1051-1054.	2.7	90
141	Optical gain by upconversion in Tm-Yb oxyfluoride glass ceramic. <i>Applied Physics B: Lasers and Optics</i> , 2011, 104, 237-240.	1.1	1
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