

# Victor Lavin

## List of Publications by Year in descending order

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docs citations

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3806  
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#	ARTICLE	IF	CITATIONS
19	High pressure luminescence of Nd <sup>3+</sup> in YAlO <sub>3</sub> perovskite nanocrystals: A crystal-field analysis. Journal of Chemical Physics, 2018, 148, 044201.	1.2	21
20	Near-infrared and blue cooperative Yb <sup>3+</sup> luminescence in Lu <sub>3</sub> Sc <sub>2</sub> Ga <sub>3</sub> O <sub>12</sub> nano-garnets. Materials Research Bulletin, 2018, 101, 347-352.	2.7	9
21	High pressure sensitivity of anti-Stokes fluorescence in Nd <sup>3+</sup> doped yttrium orthoaluminate nano-perovskites. Journal of Luminescence, 2018, 196, 20-24.	1.5	5
22	Role of Dy <sup>3+</sup> → Sm <sup>3+</sup> energy transfer in the tuning of warm to cold white light emission in Dy <sup>3+</sup> /Sm <sup>3+</sup> co-doped Lu <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> nano-garnets. New Journal of Chemistry, 2018, 42, 1260-1270.	1.4	36
23	Multifunctional Optical Sensors for Nanomanometry and Nanothermometry: High-Pressure and High-Temperature Upconversion Luminescence of Lanthanide-Doped Phosphates—LaPO <sub>4</sub> /YPO <sub>4</sub> :Yb <sup>3+</sup> —Tm <sup>3+</sup> . ACS Applied Materials & Interfaces, 2018, 10, 17269-17279.	4.0	236
24	Upconversion/back-transfer losses and emission dynamics in Nd <sup>3+</sup> -Yb <sup>3+</sup> co-doped phosphate glasses for multiple pump channel laser. Journal of Non-Crystalline Solids, 2018, 489, 84-90.	1.5	8
25	Spectroscopic studies on Yb <sup>3+</sup> -doped tungsten-tellurite glasses for laser applications. Journal of Non-Crystalline Solids, 2018, 479, 9-15.	1.5	27
26	Comparison of the sensitivity as optical temperature sensor of nano-perovskite doped with Nd <sup>3+</sup> ions in the first and second biological windows. Sensors and Actuators B: Chemical, 2018, 255, 970-976.	4.0	110
27	Experimental and theoretical study on the optical properties of LaVO <sub>4</sub> crystals under pressure. Physical Chemistry Chemical Physics, 2018, 20, 27314-27328.	1.3	26
28	Lanthanide-doped Y <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> garnets for nanoheating and nanothermometry in the first biological window. Optical Materials, 2018, 84, 46-51.	1.7	25
29	Optical pressure nano-sensor based on lanthanide doped SrB <sub>2</sub> O <sub>4</sub> :Sm <sup>2+</sup> luminescence — Novel high-pressure nanomanometer. Sensors and Actuators B: Chemical, 2018, 273, 585-591.	4.0	48
30	Analysis of the upconversion emission of yttrium orthoaluminate nano-perovskite co-doped with Er <sup>3+</sup> /Yb <sup>3+</sup> ions for thermal sensing applications. Journal of Luminescence, 2018, 202, 316-321.	1.5	14
31	Up-conversion processes in Ln(III)-doped luminescent materials for photovoltaics and photocatalysis. , 2018, , 291-333.		1
32	Nanoperovskite doped with Yb <sup>3+</sup> and Tm <sup>3+</sup> ions used as an optical upconversion temperature sensor. Optical Materials, 2018, 83, 187-191.	1.7	9
33	Pressure-induced effects on the spectroscopic properties of Nd <sup>3+</sup> in MgO:LiNbO <sub>3</sub> single crystal. A crystal field approach. Journal of Luminescence, 2017, 184, 293-303.	1.5	6
34	Structure, morphology and optical characterization of Dy <sup>3+</sup> -doped BaYF <sub>5</sub> nanocrystals for warm white light emitting devices. Optical Materials, 2017, 70, 16-24.	1.7	36
35	Spectroscopic properties of Nd <sup>3+</sup> ions in YAP nano-perovskites. Journal of Luminescence, 2017, 188, 204-208.	1.5	9
36	Structural, Vibrational, and Elastic Properties of Yttrium Orthoaluminate Nanoperovskite at High Pressures. Journal of Physical Chemistry C, 2017, 121, 15353-15367.	1.5	13

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37	X-ray nanoimaging of Nd <sup>3+</sup> optically active ions embedded in Sr <sub>0.5</sub> Ba <sub>0.5</sub> Nb <sub>2</sub> O <sub>6</sub> nanocrystals. <i>Optical Materials Express</i> , 2017, 7, 2424.	1.6	4
38	Yttrium orthoaluminate nanoperovskite doped with Tm <sup>3+</sup> ions as upconversion optical temperature sensor in the near-infrared region. <i>Optics Express</i> , 2017, 25, 27845.	1.7	22
39	Random laser action in stoichiometric Nd <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> garnet crystal powder. <i>Laser Physics Letters</i> , 2016, 13, 035402.	0.6	11
40	Stokes and anti-Stokes luminescence in Tm <sup>3+</sup> /Yb <sup>3+</sup> -doped Lu <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> nano-garnets: a study of multipolar interactions and energy transfer dynamics. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 14720-14729.	1.3	19
41	Nanocrystalline Sm <sup>3+</sup> -doped Lu <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> garnets: An intense orange-reddish luminescent material for white light emitting devices. <i>Journal of Luminescence</i> , 2016, 179, 533-538.	1.5	22
42	Structure, luminescence and magnetic properties of an erbium(III) $\beta$ -diketonate homodinuclear complex. <i>New Journal of Chemistry</i> , 2016, 40, 8251-8261.	1.4	17
43	2CaO·Al <sub>2</sub> O <sub>3</sub> :Er <sup>3+</sup> glass: An efficient optical temperature sensor. <i>Journal of Luminescence</i> , 2016, 179, 272-279.	1.5	54
44	Efficient Nd <sup>3+</sup> sensitized Yb <sup>3+</sup> emission and infrared-to-visible energy conversion in gallium nano-garnets. <i>RSC Advances</i> , 2016, 6, 78669-78677.	1.7	13
45	Experimental and <i>in situ</i> Study of Catena(bis( $\mu$ -iodo)-6-methylquinoline-copper(II)) under Pressure: Synthesis, Crystal Structure, Electronic, and Luminescence Properties. <i>Inorganic Chemistry</i> , 2016, 55, 7476-7484.	1.9	27
46	Pressure-induced amorphization of YVO <sub>4</sub> :Eu <sup>3+</sup> nanoboxes. <i>Nanotechnology</i> , 2016, 27, 025701.	1.3	19
47	Upconversion emission of a novel glass ceramic containing Er <sup>3+</sup> , Yb <sup>3+</sup> :Sr <sub>1-x</sub> Y <sub>x</sub> F <sub>2+x</sub> nano-crystals. <i>Journal of Luminescence</i> , 2016, 172, 201-207.	1.5	13
48	Nd <sup>3+</sup> -doped TeO <sub>2</sub> -PbF <sub>2</sub> -AlF <sub>3</sub> glasses for laser applications. <i>Optical Materials</i> , 2016, 51, 35-41.	1.7	53
49	Blue-green cooperative upconverted luminescence and radiative energy transfer in Yb <sup>3+</sup> -doped tungsten tellurite glass. <i>Journal of Luminescence</i> , 2016, 169, 233-237.	1.5	13
50	Infrared-to-Visible Light Conversion in Er <sup>3+</sup> :Yb <sup>3+</sup> :Lu <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> Nanogarnets. <i>ChemPhysChem</i> , 2015, 16, 3928-3936.	1.0	14
51	Experimental and theoretical study of $\beta$ -Eu <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub> under compression. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 465401.	0.7	5
52	Optical temperature sensor based on the Nd <sup>3+</sup> infrared thermalized emissions in a fluorotellurite glass. <i>Journal of Luminescence</i> , 2015, 166, 209-214.	1.5	38
53	Structural, elastic and vibrational properties of nanocrystalline lutetium gallium garnet under high pressure. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 9454-9464.	1.3	17
54	Chemical pressure effects on the spectroscopic properties of Nd <sup>3+</sup> -doped gallium nano-garnets. <i>Optical Materials Express</i> , 2015, 5, 1661.	1.6	34

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55	Photon avalanche upconversion in Ho <sup>3+</sup> -doped gallium nano-garnets. <i>Optical Materials</i> , 2015, 39, 16-20.	1.7	11
56	Slow magnetic relaxation and photoluminescent properties of a highly coordinated erbium(III) complex with dibenzoylmethane and 2,2'-bipyridine. <i>New Journal of Chemistry</i> , 2015, 39, 1703-1713.	1.4	17
57	Synthesis, structural modelling and luminescence of a novel erbium(III) complex with 2,4-nonanedione and 2,2'-bipyridine ligands for chitosan matrices doping. <i>Optical Materials</i> , 2015, 41, 139-142.	1.7	8
58	Slow magnetic relaxation mechanisms in erbium SIMs. <i>Dalton Transactions</i> , 2015, 44, 1264-1272.	1.6	13
59	An erbium(III)-based NIR emitter with a highly conjugated $\beta^2$ -diketonate for blue-region sensitization. <i>Journal of Alloys and Compounds</i> , 2015, 619, 553-559.	2.8	21
60	Optimizing white light luminescence in Dy <sup>3+</sup> -doped Lu <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> nano-garnets. <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	24
61	Photon avalanche upconversion in Ho <sup>3+</sup> -Yb <sup>3+</sup> co-doped transparent oxyfluoride glass-ceramics. <i>Chemical Physics Letters</i> , 2014, 600, 34-37.	1.2	17
62	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
63	Broadband, site selective and time resolved photoluminescence spectroscopic studies of finely size-modulated Y <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> phosphors synthesized by a complex based precursor solution method. <i>Current Applied Physics</i> , 2014, 14, 72-81.	1.1	24
64	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
65	Optical nanothermometer based on the calibration of the Stokes and upconverted green emissions of Er <sup>3+</sup> ions in Y <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> nano-garnets. <i>RSC Advances</i> , 2014, 4, 57691-57701.	1.7	22
66	X-ray analysis, molecular modeling and NIR-luminescence of erbium(III) 2,4-octanedionate complexes with N,N-donors. <i>Polyhedron</i> , 2014, 81, 485-492.	1.0	5
67	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
68	Lattice Dynamics Study of Nanocrystalline Yttrium Gallium Garnet at High Pressure. <i>Journal of Physical Chemistry C</i> , 2014, 118, 13177-13185.	1.5	33
69	Optical properties of Yb <sup>3+</sup> ions in fluorophosphate glasses for 1.0- $\mu$ m solid-state infrared lasers. <i>Applied Physics B: Lasers and Optics</i> , 2013, 113, 527-535.	1.1	16
70	Optical characterization of Er <sup>3+</sup> -doped zinc fluorophosphate glasses for optical temperature sensors. <i>Sensors and Actuators B: Chemical</i> , 2013, 186, 156-164.	4.0	107
71	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
72	Formation of nanostructures in Eu <sup>3+</sup> -doped glass-ceramics: an XAS study. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 025303.	0.7	4

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73	Effects of Er <sup>3+</sup> concentration on thermal sensitivity in optical temperature fluorotellurite glass sensors. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 1167-1175.	4.0	137
74	Composition dependent spectroscopic properties of Er <sup>3+</sup> -doped borotellurite glasses. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 607-615.	0.8	13
75	A new near-IR luminescent erbium(III) complex with potential application in OLED devices. <i>Polyhedron</i> , 2013, 65, 187-192.	1.0	12
76	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
77	Spectroscopic properties of Sm <sup>3+</sup> ions in phosphate and fluorophosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 2013, 365, 85-92.	1.5	62
78	Electronic and elastic properties of yttrium gallium garnet under pressure from ab initio studies. <i>Journal of Applied Physics</i> , 2013, 113, 183505.	1.1	19
79	Nd <sup>3+</sup> -doped Ca <sub>3</sub> Ga <sub>2</sub> Ge <sub>3</sub> O <sub>12</sub> garnet: A new optical pressure sensor. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	37
80	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
81	Optical pressure and temperature sensor based on the luminescence properties of Nd <sup>3+</sup> ion in a gadolinium scandium gallium garnet crystal. <i>Optics Express</i> , 2012, 20, 10393.	1.7	32
82	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
83	Structural and Luminescence Properties of Ho <sup>3+</sup> /Yb <sup>3+</sup> -Doped Lu <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> Nano-Garnets for Phosphor Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 4495-4501.	0.9	7
84	Role of the host matrix on the thermal sensitivity of Er <sup>3+</sup> luminescence in optical temperature sensors. <i>Sensors and Actuators B: Chemical</i> , 2012, 174, 176-186.	4.0	168
85	Fluorescence and Spectroscopic Properties of Yb <sup>3+</sup> -Doped Phosphate Glasses. <i>Physics Procedia</i> , 2012, 29, 109-113.	1.2	8
86	Synthesis, structure and luminescence of Er <sup>3+</sup> -doped Y <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> nano-garnets. <i>Journal of Materials Chemistry</i> , 2012, 22, 13788.	6.7	62
87	Er <sup>3+</sup> -Yb <sup>3+</sup> codoped phosphate glasses used for an efficient 1.5 μm broadband gain medium. <i>Optical Materials</i> , 2012, 34, 1235-1240.	1.7	69
88	Efficient Nd <sup>3+</sup> -Yb <sup>3+</sup> energy transfer processes in high phonon energy phosphate glasses for 1.0 μm Yb <sup>3+</sup> laser. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	50
89	White light generation in Dy <sup>3+</sup> -doped oxyfluoride glass and transparent glass-ceramics containing CaF <sub>2</sub> nanocrystals. <i>Optics Express</i> , 2011, 19, 1836.	1.7	108
90	Optical properties of Yb <sup>3+</sup> -doped phosphate laser glasses. <i>Journal of Alloys and Compounds</i> , 2011, 509, 5084-5089.	2.8	44

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91	Local field dependent fluorescence properties of Eu <sup>3+</sup> ions in a fluorometaphosphate laser glass. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 2139-2147.	1.5	25
92	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
93	Characterization of Er <sup>3+</sup> and Nd <sup>3+</sup> doped Strontium Barium Niobate glass ceramic as temperature sensors. <i>Optical Materials</i> , 2011, 33, 742-745.	1.7	104
94	Optical characterization, 1.5 $\mu$ m emission and IR-to-visible energy upconversion in Er <sup>3+</sup> -doped fluorotellurite glasses. <i>Journal of Luminescence</i> , 2011, 131, 1239-1248.	1.5	66
95	Temperature sensor based on the Er <sup>3+</sup> green upconverted emission in a fluorotellurite glass. <i>Sensors and Actuators B: Chemical</i> , 2011, 158, 208-213.	4.0	245
96	Local structure of Eu <sup>3+</sup> ions in fluorophosphate laser glass. <i>Pramana - Journal of Physics</i> , 2010, 75, 1005-1010.	0.9	1
97	Role of the local structure and the energy trap centers in the quenching of luminescence of the Tb <sup>3+</sup> ions in fluoroborate glasses: A high pressure study. <i>Journal of Chemical Physics</i> , 2010, 132, 114505.	1.2	11
98	Optical properties and energy transfer of Dy <sup>3+</sup> -doped transparent oxyfluoride glasses and glass-ceramics. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 236-243.	1.5	60
99	Structural study of the Eu <sup>3+</sup> environments in fluorozirconate glasses: Role of the temperature-induced and the pressure-induced phase transition processes in the development of a rare earth's local structure model. <i>Journal of Chemical Physics</i> , 2009, 130, 154501.	1.2	21
100	Spectral investigations on Dy <sup>3+</sup> -doped transparent oxyfluoride glasses and nanocrystalline glass ceramics. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	69
101	Dielectric anomalies in Nd <sup>3+</sup> doped Ba <sub>2</sub> NaNb <sub>5</sub> O <sub>15</sub> laser crystal. <i>Journal of Alloys and Compounds</i> , 2008, 451, 198-200.	2.8	11
102	Effect of pressure on the luminescence properties of Nd <sup>3+</sup> doped SrWO <sub>4</sub> laser crystal. <i>Journal of Alloys and Compounds</i> , 2008, 451, 212-214.	2.8	21
103	Optical spectroscopy, 1.5 $\mu$ m emission, and upconversion properties of Er <sup>3+</sup> -doped metaphosphate laser glasses. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 2218.	0.9	95
104	Evolution of the structural and optical properties from cobalt cordierite glass to glass-ceramic based on spinel crystalline phase materials. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 4093-4101.	1.5	28
105	Energy transfer in Pr <sup>3+</sup> -Yb <sup>3+</sup> codoped oxyfluoride glass ceramics. <i>Optical Materials</i> , 2007, 29, 1231-1235.	1.7	8
106	Dopant partitioning influence on the near-infrared emissions of Tm <sup>3+</sup> in oxyfluoride glass ceramics. <i>Journal of Applied Physics</i> , 2006, 99, 053103.	1.1	23
107	Ultraviolet and visible upconversion luminescence in Nd <sup>3+</sup> -doped oxyfluoride glasses and glass ceramics obtained by different preparation methods. <i>Journal of Applied Physics</i> , 2006, 99, 113510.	1.1	24
108	Pressure- and temperature-induced structural phase transitions in fluoride matrices monitoring by Eu <sup>3+</sup> luminescence. <i>High Pressure Research</i> , 2006, 26, 411-414.	0.4	2

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109	High-pressure luminescence in Nd <sup>3+</sup> -doped MgO:LiNbO <sub>3</sub> . High Pressure Research, 2006, 26, 341-344.	0.4	11
110	Analysis of the Eu <sup>3+</sup> -emission in a SrWO <sub>4</sub> laser matrix under pressure. High Pressure Research, 2006, 26, 355-359.	0.4	13
111	Infrared-to-visible photon avalanche upconversion dynamics in Ho <sup>3+</sup> -doped fluorozirconate glasses at room temperature. Optical Materials, 2005, 27, 1754-1761.	1.7	40
112	Rare earths in nanocrystalline glass-ceramics. Optical Materials, 2005, 27, 1762-1770.	1.7	62
113	Fluorescence line narrowing spectral studies of Eu <sup>3+</sup> -doped lead borate glass. Journal of Non-Crystalline Solids, 2005, 351, 929-935.	1.5	58
114	Stimulated and upconverted emissions of Nd <sup>3+</sup> in a transparent oxyfluoride glass-ceramic. Optical Materials, 2004, 25, 201-208.	1.7	60
115	Optical properties of Eu <sup>3+</sup> ions in malonate crystals to monitor a structural phase transition. Optical Materials, 2004, 25, 223-229.	1.7	7
116	Optical properties and site distribution of Cr <sup>3+</sup> ions in alkali-disilicate glasses. Journal of Luminescence, 2004, 106, 77-90.	1.5	8
117	Preparation and optical spectroscopy of Eu <sup>3+</sup> -doped GaN luminescent semiconductor from freeze-dried precursors. Journal of Solid State Chemistry, 2004, 177, 4213-4220.	1.4	19
118	Optical intensities of Pr <sup>3+</sup> ions in transparent oxyfluoride glass and glass-ceramic. Applications of the standard and modified Judd-Ofelt theories. Journal of Alloys and Compounds, 2004, 380, 167-172.	2.8	48
119	Synthesis, electrical properties, and optical characterization of Eu <sup>3+</sup> -doped La <sub>2</sub> Mo <sub>2</sub> O <sub>9</sub> nanocrystalline phosphors. Journal of Non-Crystalline Solids, 2004, 345-346, 377-381.	1.5	47
120	Fluorescence line narrowing spectroscopy of Eu <sup>3+</sup> in a niobium tellurite glass. Journal of Non-Crystalline Solids, 2004, 345-346, 386-390.	1.5	26
121	Optical properties of Nd <sup>3+</sup> ions in oxyfluoride glasses and glass ceramics comparing different preparation methods. Journal of Applied Physics, 2004, 95, 5271-5279.	1.1	83
122	Crystal fields of Pr <sup>3+</sup> in LiYF <sub>4</sub> under pressure. Journal of Luminescence, 2003, 101, 243-251.	1.5	10
123	Optical spectroscopy analysis of the Eu <sup>3+</sup> ions local structure in calcium diborate glasses. Journal of Non-Crystalline Solids, 2003, 319, 200-216.	1.5	91
124	Site selective study of Eu <sup>3+</sup> -doped transparent oxyfluoride glass ceramics. Journal of Applied Physics, 2003, 94, 2295-2301.	1.1	55
125	Optical Properties of Rare Earth Doped Transparent Oxyfluoride Glass Ceramics. Radiation Effects and Defects in Solids, 2003, 158, 457-462.	0.4	7
126	Optical properties of Eu <sup>3+</sup> in malonate crystals to monitor a structural phase transition. , 2003, , .		0

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127	Stimulated emission of Nd <sup>3+</sup> in oxyfluoride glass and glass ceramic. , 2003, , .		0
128	Pressure-induced energy transfer processes between Sm <sup>3+</sup> ions in lithium fluoroborate glasses. Physical Review B, 2002, 66, .	1.1	45
129	Spectroscopic Monitoring of the Eu <sup>3+</sup> Ion Local Structure in the Pressure Induced Amorphization Of EuZrF <sub>7</sub> Polycrystal. High Pressure Research, 2002, 22, 111-114.	0.4	6
130	Optical properties of Er <sup>3+</sup> ions in transparent glass ceramics. Journal of Alloys and Compounds, 2001, 323-324, 753-758.	2.8	81
131	Cr <sup>3+</sup> ↔ Tm <sup>3+</sup> energy transfer in alkali silicate glasses. Journal of Alloys and Compounds, 2001, 323-324, 759-762.	2.8	6
132	Role of the Eu <sup>3+</sup> ions in the formation of transparent oxyfluoride glass ceramics. Journal of Applied Physics, 2001, 89, 5307-5310.	1.1	55
133	On the local structure of Eu <sup>3+</sup> ions in oxyfluoride glasses. Comparison with fluoride and oxide glasses. Journal of Chemical Physics, 2001, 115, 10935-10944.	1.2	109
134	Spectroscopy of rare earth ions in fluoride glasses for laser applications. Optical Materials, 1999, 13, 1-7.	1.7	35
135	Upconversion dynamics in Er <sup>3+</sup> -doped fluoroindate glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1999, 55, 935-940.	2.0	23
136	Infrared, blue and ultraviolet upconversion emissions in Yb <sup>3+</sup> ↔ Tm <sup>3+</sup> -doped fluoroindate glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1999, 55, 941-945.	2.0	36
137	Fano antiresonances of Cr <sup>3+</sup> in alkaline disilicate glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1999, 55, 1319-1322.	2.0	15
138	Transfer and back transfer processes in Yb <sup>3+</sup> ↔ Er <sup>3+</sup> codoped fluoroindate glasses. Journal of Applied Physics, 1999, 86, 935-939.	1.1	20
139	Energy transfer between Eu <sup>3+</sup> ions in calcium diborate glasses. Journal of Physics Condensed Matter, 1999, 11, 8739-8747.	0.7	19
140	Upconversion dynamics in Yb <sup>3+</sup> ↔ Ho <sup>3+</sup> doped fluoroindate glasses. Journal of Alloys and Compounds, 1998, 275-277, 345-348.	2.8	50
141	Time-resolved fluorescence line narrowing in Yb <sup>3+</sup> -doped fluoroindate glasses. Physical Review B, 1998, 57, 3396-3401.	1.1	15
142	Kinetics of transfer and backtransfer in Yb <sup>3+</sup> -Er <sup>3+</sup> codoped fluoroindate glasses. Journal of Luminescence, 1997, 72-74, 954-955.	1.5	7
143	Site distribution in Cr <sup>3+</sup> and Cr <sup>3+</sup> -Tm <sup>3+</sup> -doped alkaline silicate glasses. Journal of Luminescence, 1997, 72-74, 446-448.	1.5	9
144	Site selective study in Eu <sup>3+</sup> -doped fluorozirconate glasses and glass-ceramics. Journal of Luminescence, 1997, 72-74, 437-438.	1.5	33

#	ARTICLE	IF	CITATIONS
145	Optical properties of Eu <sup>3+</sup> and Ho <sup>3+</sup> in fluoride glasses. Journal of Applied Spectroscopy, 1995, 62, 766-770.	0.3	4
146	Excited-state dynamics in Yb <sup>3+</sup> -Ho <sup>3+</sup> -doped fluoroindate glasses. Journal of Applied Spectroscopy, 1995, 62, 865-871.	0.3	12
147	Optical spectroscopy of Cr <sup>3+</sup> and Cr <sup>3+</sup> -Tm <sup>3+</sup> in alkaline silicate glasses. Journal of Applied Spectroscopy, 1995, 62, 895-899.	0.3	0
148	Site selective spectroscopy of Eu <sup>3+</sup> and Eu <sup>3+</sup> -Ho <sup>3+</sup> -doped glasses. Radiation Effects and Defects in Solids, 1995, 135, 105-108.	0.4	7