

# Serban Georgescu

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Phonon sidebands of Eu <sup>3+</sup> in BaGd <sub>2</sub> ZnO <sub>5</sub> . Journal of Luminescence, 2020, 228, 117597.	1.5	7
2	Judd-Ofelt analysis of Er-doped CaSc <sub>2</sub> O <sub>4</sub> revisited. Journal of Luminescence, 2018, 199, 488-491.	1.5	3
3	Judd-Ofelt analysis of Eu <sup>3+</sup> and Er <sup>3+</sup> doped in ceramic BaGd <sub>2</sub> ZnO <sub>5</sub> . Journal of Luminescence, 2018, 204, 261-268.	1.5	8
4	Judd-Ofelt analysis of Tm <sup>3+</sup> doped in CaSc <sub>2</sub> O <sub>4</sub> ceramic samples. Journal of Luminescence, 2015, 166, 130-136.	1.5	13
5	Judd-Ofelt and energy-transfer analysis of Er <sup>3+</sup> doped in CaSc <sub>2</sub> O <sub>4</sub> ceramic samples. Journal of Luminescence, 2015, 167, 186-192.	1.5	15
6	Judd-Ofelt analysis of Tm <sup>3+</sup> in La <sub>3</sub> Ga <sub>5.5</sub> Ta <sub>0.5</sub> O <sub>14</sub> ceramic with granular structure. Journal of Luminescence, 2015, 157, 35-38.	1.5	6
7	Judd-Ofelt analysis of Ho <sup>3+</sup> doped in ceramic CaSc <sub>2</sub> O <sub>4</sub> . Journal of Luminescence, 2015, 162, 174-179.	1.5	17
8	Judd-Ofelt analysis of ceramic La <sub>3</sub> Ga <sub>5.5</sub> Ta <sub>0.5</sub> O <sub>14</sub> doped with Er <sup>3+</sup> . Journal of Luminescence, 2015, 162, 168-173.	1.5	7
9	Excited-state absorption in erbium-doped calcium lithium niobium gallium garnet. Journal of Luminescence, 2014, 154, 553-558.	1.5	7
10	Upconversion luminescence in langatate ceramics doped with Tm <sup>3+</sup> and Yb <sup>3+</sup> . Journal of Luminescence, 2014, 154, 74-79.	1.5	17
11	Judd-Ofelt analysis of Er <sup>3+</sup> ions in calcium lithium niobium gallium garnet. Journal of Luminescence, 2014, 147, 259-264.	1.5	8
12	Peculiarities of the Ho <sup>3+</sup> +Yb <sup>3+</sup> energy transfer in CaSc <sub>2</sub> O <sub>4</sub> :Ho:Yb. Journal of Luminescence, 2014, 154, 142-147.	1.5	13
13	Violet and near-ultraviolet upconversion luminescence in La <sub>3</sub> Ga <sub>5.5</sub> Ta <sub>0.5</sub> O <sub>14</sub> codoped with Er <sup>3+</sup> and Yb <sup>3+</sup> . Physica B: Condensed Matter, 2013, 413, 55-58.	1.3	14
14	Ultraviolet and visible up-conversion luminescence of Er <sup>3+</sup> /Yb <sup>3+</sup> co-doped CaF <sub>2</sub> nanocrystals in sol-gel derived glass-ceramics. Journal of Luminescence, 2013, 143, 150-156.	1.5	35
15	Infrared-excited bright green and red luminescence in La <sub>3</sub> Ga <sub>5.5</sub> Ta <sub>0.5</sub> O <sub>14</sub> doped with erbium and ytterbium. Physica B: Condensed Matter, 2012, 407, 1124-1127.	1.3	19
16	Competition between green and infrared emission in Er:YLiF <sub>4</sub> upconversion lasers. Optics Communications, 2011, 284, 388-397.	1.0	9
17	Luminescence of Eu-doped langanite nanopowders synthesized by a citrate sol-gel method. Journal of Alloys and Compounds, 2010, 507, 470-474.	2.8	8
18	Excited state dynamics of Eu <sup>3+</sup> in the partially disordered crystals La <sub>3</sub> Ga <sub>5</sub> SiO <sub>14</sub> and La <sub>3</sub> Ga <sub>5.5</sub> Ta <sub>0.5</sub> O <sub>14</sub> . Journal of Luminescence, 2008, 128, 741-743.	1.5	10

#	ARTICLE	IF	CITATIONS
19	Spectroscopic characteristics of langasite (La <sub>3</sub> Ga <sub>5</sub> SiO <sub>14</sub> ) and langatate (La <sub>3</sub> Ga <sub>5.5</sub> Ta <sub>0.5</sub> O <sub>14</sub> ) crystals doped with Eu <sup>3+</sup> . Optical Materials, 2008, 30, 1007-1012.	1.7	22
20	Pump wavelengths for an Er:YLiF <sub>4</sub> green-emitting laser. Optical Materials, 2007, 30, 181-183.	1.7	2
21	Nanocrystalline Er:YAG thin films prepared by pulsed laser deposition: An electron microscopy study. Applied Surface Science, 2007, 253, 8268-8272.	3.1	9
22	Disorder effects in the fluorescence spectra of Eu <sup>3+</sup> in langatate (La <sub>3</sub> Ga <sub>5.5</sub> Ta <sub>0.5</sub> O <sub>14</sub> ) crystals. Optical Materials, 2007, 30, 212-215.	1.7	7
23	The Influence of Pump Wavelength on Er:YAG Green-Emitting Laser Characteristics. IEEE Journal of Quantum Electronics, 2006, 42, 192-197.	1.0	4
24	Upconversion from the 4I <sub>13/2</sub> and 4I <sub>11/2</sub> levels in Er:YAG. Journal of Luminescence, 2005, 114, 43-52.	1.5	15
25	Er:YAG three-micron laser: performances and limits. IEEE Journal of Selected Topics in Quantum Electronics, 2005, 11, 682-689.	1.9	20
26	Energy transfer processes in Er-doped crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 280-283.	0.8	4
27	ESA processes responsible for infrared pumped, green and violet luminescence in low-concentrated Er: YAG. Journal of Luminescence, 2003, 101, 87-99.	1.5	22
28	Intrinsic limits of the efficiency of erbium 3- $\frac{1}{4}$ m lasers. IEEE Journal of Quantum Electronics, 2003, 39, 722-732.	1.0	12
29	Comparative study of helical CT scan angiography, conventional arteriography, and intraoperative findings for the evaluation of living renal transplant donors. Transplantation Proceedings, 2001, 33, 2028-2029.	0.3	5
30	Excited-state-absorption in low concentrated Er:YAG crystals for pulsed and cw pumping. Journal of Luminescence, 2001, 93, 281-292.	1.5	30
31	Liver hemangioma revisited: current surgical indications, technical aspects, results. Hepato-Gastroenterology, 2001, 48, 770-6.	0.5	11
32	Intensity pump effects in the kinetics of level in ErAG. Optics Communications, 1998, 155, 61-67.	1.0	6
33	Q-switch regime of 3- $\frac{1}{4}$ m Er:YAG lasers. IEEE Journal of Quantum Electronics, 1998, 34, 1031-1040.	1.0	13
34	Population dynamics of the three-micron emitting level of Er <sup>3+</sup> in YAlO <sub>3</sub> . Journal of Applied Physics, 1996, 80, 6610-6613.	1.1	11
35	High-resolution optical spectroscopy of YAG:Nd: A test for structural and distribution models. Physical Review B, 1995, 51, 8-17.	1.1	131
36	Concentration quenching of the 4I <sub>9/2</sub> level of Er <sup>3+</sup> in laser crystals. Optics Communications, 1994, 106, 75-78.	1.0	11

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37	On the dynamics of population inversion for $3\ \mu\text{m}$ Er/sup 3+/ lasers. IEEE Journal of Quantum Electronics, 1993, 29, 426-434.	1.0	72
38	High-resolution spectroscopy of Nd <sup>3+</sup> in YAlO <sub>3</sub> . Journal of Physics Condensed Matter, 1992, 4, L221-L224.	0.7	9
39	The effect of terminal level lifetime on three-micron laser emission in Er-doped crystals. Optics Communications, 1992, 92, 67-72.	1.0	9
40	Concentration effects on the up-conversion from the level of Er <sup>3+</sup> in YAG. Optics Communications, 1991, 81, 186-192.	1.0	44
41	Effects of nearest-neighbor pairs on the energy transfer in Nd:YAG. Applied Physics Letters, 1991, 59, 905-907.	1.5	16
42	Many-body energy-transfer processes between Er <sup>3+</sup> ions in yttrium aluminum garnet. Physical Review B, 1990, 41, 10923-10932.	1.1	43
43	Energy transfer characteristics of the 4S <sub>3/2</sub> level of Er <sup>3+</sup> in Yag. Optics Communications, 1989, 72, 209-213.	1.0	8
44	Effects of energy transfer on quantum efficiency of YAG:Nd. Journal of Applied Physics, 1989, 66, 3792-3797.	1.1	35
45	Characteristics of concentration quenching of luminescence from the 4S <sub>3/2</sub> level of the Er <sup>3+</sup> ion in a (Y <sub>1-x</sub> Er <sub>x</sub> ) <sub>3</sub> Al <sub>2</sub> O <sub>5</sub> crystal. Soviet Journal of Quantum Electronics, 1988, 18, 1123-1125.	0.1	2
46	Mechanisms of energy transfer between Nd <sup>3+</sup> ions in YAG. Journal of Luminescence, 1987, 39, 35-43.	1.5	34
47	Energy transfer between Nd <sup>3+</sup> ions in YAG. Optics Communications, 1986, 60, 59-63.	1.0	47
48	Cooperative process in Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> :Er <sup>3+</sup> crystals. Soviet Journal of Quantum Electronics, 1986, 16, 274-276.	0.1	62
49	Combined mechanical-color center passive Q-switching of neodymium lasers. Optics Communications, 1983, 48, 203-206.	1.0	6
50	EPR of U <sup>5+</sup> in alkali fluorides with a new charge compensation mechanism. Physica Status Solidi (B): Basic Research, 1977, 83, 71-75.	0.7	7
51	The hyperfine structure of U <sup>5+</sup> in NaF and LiF single crystals. Journal of Physics C: Solid State Physics, 1976, 9, 2619-2626.	1.5	17