Marcin Sobczyk

List of Publications by Year
in descending order

41	751	471509 17	552781 26
papers	citations	h-index	g-index

41	41	41	835
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Temperature-dependent luminescence and temperature-stimulated NIR-to-VIS up-conversion in Nd3+-doped La2O3â€“Na2Oâ€“ZnOâ€“TeO2 glasses. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 119, 128-136.	2.3	71
2	The impact of shell host (NaYF₄/CaF₂) and shell deposition methods on the up-conversion enhancement in Tb³⁺, Yb³⁺codoped colloidal Î±-NaYF₄coreâ€“shell nanoparticles. Nanoscale, 2014, 6, 1855-1864.	5.6	67
3	Synthesis, optical spectra and radiative properties of Sm2O3:PbO:P2O5 glass materials. Optical Materials, 2008, 30, 1571-1575.	3.6	43
4	Optical and structural characterisation of pure and Pr3+ doped LaPO4 and CePO4 nanocrystals. Journal of Alloys and Compounds, 2011, 509, 7458-7465.	5.5	37
5	A study of optical properties of Sm3+ ions in Î±-Na3Y(VO4)2 single crystals. Journal of Luminescence, 2013, 142, 96-102.	3.1	36
6	Structure and spectroscopy of NaNd(SP)4 chelate: a new type of lanthanide luminophore. Structural Chemistry, 2010, 21, 425-438.	2.0	32
7	Spectroscopic properties of Sm3+ in KZnLa(PO4)2 in IRâ€“VUV region. Optical Materials, 2012, 34, 1826-1832.	3.6	28
8	Spectroscopy and Structure of Ln^{III} Complexes with Sulfonylamidophosphateâ€Type Ligands as Sensitizers of Visible and Nearâ€Infrared Luminescence. ChemPlusChem, 2012, 77, 482-496.	2.8	26
9	Infrared and cooperative luminescence in Yb3+ doped calcium aluminate CaAl4O7. Journal of Luminescence, 2013, 143, 503-509.	3.1	26
10	Optical properties of Sm3+-doped Y2Te4O11. Journal of Luminescence, 2015, 166, 40-47.	3.1	25
11	Spectrum analysis, correlation crystal-field effects and fâ€“f transition intensities of U3+ in LaCl3. Journal of Chemical Physics, 2002, 117, 2800-2808.	3.0	23
12	Optical properties of Î±-Nd3+: Na3Y(VO4)2 single crystals â€“ Potential laser materials. Optical Materials, 2013, 35, 852-859.	3.6	22
13	Comparative study of optical properties of Ho3+ -doped RE2O3-Na2O-ZnO-TeO2 glasses. Journal of Luminescence, 2019, 206, 308-318.	3.1	22
14	Effect of charge compensation on up-conversion and UV excited luminescence of Eu3+ in Yb3+â€“Eu3+ doped calcium aluminate CaAl4O7. Materials Chemistry and Physics, 2014, 147, 304-310.	4.0	21
15	Influence of Nd3+ concentration on up-conversion fluorescence colour in YVO4 co-doped with Ho3+, Yb3+ and Nd3+ ions. Materials Letters, 2012, 88, 86-88.	2.6	19
16	Optical spectroscopy of Sm3+ doped Na2Oâ€“ZnOâ€“La2O3â€“TeO2 glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 149, 965-970.	3.9	19
17	Synthesis and optical properties of KZnLa0.99Nd0.01(VO4)2 triple vanadate(V)â€”New promising laser materials. Journal of Luminescence, 2009, 129, 430-433.	3.1	18
18	Optical behaviour of samarium doped potassium yttrium double phosphates. Journal of Luminescence, 2016, 169, 794-798.	3.1	17

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19	A study of optical properties of Sm3+ -doped Mâ€² -type structure YTaO4 powders synthesized by the disodium tetraborate flux method. Journal of Alloys and Compounds, 2018, 753, 717-724.	5.5	17
20	Cooperative energy transfer in Yb3+â€“Tb3+ co-doped CaAl4O7 upconverting phosphor. Materials Chemistry and Physics, 2015, 156, 220-226.	4.0	16
21	Anomalous red luminescence of Sm 3+ ions in Sm 3+ :LaKNaTaO 5 single crystals. Solid State Communications, 2018, 273, 30-33.	1.9	15
22	Spectroscopic investigations of Pr3+ ions in Na2O-La2O3-ZnO-TeO2 glasses. Journal of Non-Crystalline Solids, 2018, 487, 96-103.	3.1	14
23	Spectroscopic properties of new luminescent system based on vanadate(V) crystal doped with erbium ions. Journal of Luminescence, 2010, 130, 567-575.	3.1	12
24	Spectrum analysis of U3+-doped LaBr3 single crystals. Part 1: crystal-field analysis. Journal of Solid State Chemistry, 2005, 178, 536-544.	2.9	11
25	Optical spectroscopy of U3+ doped KPb2Cl5 laser crystal. Optical Materials, 2007, 29, 1029-1034.	3.6	11
26	Optical and structural investigation of dysprosium doped-Y2Te4O11. Journal of Luminescence, 2016, 173, 11-18.	3.1	10
27	Synthesis, structure and radiative and nonradiative properties of aÂnew Dy3+ complex with sulfonylamidophosphate ligand. Journal of Rare Earths, 2019, 37, 1255-1260.	4.8	10
28	Laser induced multi-component luminescence of [CuNCS(1,10-phen)P(CH2N(CH2CH2)2O)3]â€”the first example of CuNCS complexes with diimines and tris(aminomethyl)phosphanes. Journal of Luminescence, 2012, 132, 1842-1847.	3.1	9
29	Optical properties, concentration and thermal quenching of luminescence of Dy3+- doped La2O3-Na2O-ZnO-TeO2 glasses. Journal of Non-Crystalline Solids, 2022, 576, 121238.	3.1	9
30	Luminescence properties of Nd 3+ -doped Y 2 Te 4 O 11 microcrystalline powder. Journal of Luminescence, 2017, 183, 226-232.	3.1	8
31	From Sm3+:La2O3-ZnO-Na2O-TeO2 glasses to transparent glass ceramics containing ZnTeO3 and La2Te4O11 nanocrystals â€“ Influence of the heat treatment on crystal growth and fluorescence properties. Materials Letters, 2018, 221, 175-178.	2.6	8
32	Room temperature fluorescence and excited state dynamics in the near infrared and visible region of U3+ doped LaBr3 single crystals. Solid State Communications, 2006, 137, 59-62.	1.9	7
33	Near infrared and visible luminescence of U3+-doped PbCl2 single crystals. Journal of Luminescence, 2008, 128, 185-189.	3.1	7
34	Optical properties of U4+-doped KPb2Cl5 single crystal. Structural Chemistry, 2010, 21, 455-459.	2.0	7
35	Room temperature near infrared luminescence of an U3+ doped CsCdCl3 potential laser crystal. Materials Letters, 2007, 61, 2319-2321.	2.6	6
36	Tunable lasers based on diode pumped Tm-doped vanadates Tm:YVO 4 , Tm:GdVO 4 , and Tm:LuVO 4. Proceedings of SPIE, 2008, , .	0.8	6

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37	Vibronic transitions of U3+-doped LaBr3 single crystals. Structural Chemistry, 2010, 21, 449-454.	2.0	5
38	Relaxation dynamics of excited states of Tm3+ ions in TeO2-ZnO-Na2O-Y2O3 glasses. Journal of Rare Earths, 2019, 37, 1188-1195.	4.8	4
39	Highly sensitive luminescent pressure sensor for vacuum measurement based on Pr3+:TeO2-ZnO-Na2O-La2O3 glasses. Materials Letters, 2021, 290, 129492.	2.6	4
40	A study of optical properties of Tm3+ ions in Y2Te4O11 microcrystalline powder. Journal of Luminescence, 2018, 202, 354-362.	3.1	3
41	Erratum to â€˜Room temperature fluorescence and excited state dynamics in the near infrared and visible region of U3+ doped LaBr3 single crystalsâ€™. Solid State Communications, 2006, 137, 678-679.	1.9	0