

Wieslaw Strek

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436
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L-index

#	Paper	IF	Citations
436	Persistent luminescence phenomena in materials doped with rare earth ions. <i>Journal of Solid State Chemistry</i> , 2003 , 171, 114-122	3.3	389
435	Neodymium(III) doped fluoride nanoparticles as non-contact optical temperature sensors. <i>Nanoscale</i> , 2012 , 4, 6959-61	7.7	281
434	Near infrared absorbing near infrared emitting highly-sensitive luminescent nanothermometer based on Nd(3+) to Yb(3+) energy transfer. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 24315-21	3.6	138
433	Up-conversion FRET from Er ³⁺ /Yb ³⁺ :NaYF ₄ Nanophosphor to CdSe Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 17535-17541	3.8	125
432	A new generation of highly sensitive luminescent thermometers operating in the optical window of biological tissues. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 5559-5563	7.1	119
431	Sensitivity of a Nanocrystalline Luminescent Thermometer in High and Low Excitation Density Regimes. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 8877-8882	3.8	105
430	Synthesis and optical properties of Nd ³⁺ -doped Y ₃ Al ₅ O ₁₂ nanoceramics. <i>Journal of Alloys and Compounds</i> , 2002 , 341, 183-186	5.7	103
429	Spectroscopic Properties of Lu ₂ O ₃ /Eu ³⁺ Nanocrystalline Powders and Sintered Ceramics. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 3805-3812	3.4	101
428	Laser-induced white-light emission from graphene ceramics opening a band gap in graphene. <i>Light: Science and Applications</i> , 2015 , 4, e237-e237	16.7	98
427	Optimization of highly sensitive YAG:Cr,Nd nanocrystal-based luminescent thermometer operating in an optical window of biological tissues. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 7343-7351	3.6	93
426	Method of preparation and structural properties of transparent YAG nanoceramics. <i>Optical Materials</i> , 2007 , 29, 1252-1257	3.3	84
425	Optical properties of Eu(III) chelates trapped in silica gel glasses. <i>Optical Materials</i> , 1999 , 13, 41-48	3.3	78
424	Photoluminescence and cathodoluminescence properties of Y ₂ O ₃ :Eu nanophosphors prepared by combustion synthesis. <i>Journal of Luminescence</i> , 2007 , 122-123, 776-779	3.8	77
423	The size-effect on luminescence properties of BaTiO ₃ :Eu ³⁺ nanocrystallites prepared by the sol-gel method. <i>Journal of Alloys and Compounds</i> , 2004 , 380, 348-351	5.7	74
422	White emission of lithium ytterbium tetrphosphate nanocrystals. <i>Optics Express</i> , 2011 , 19, 14083-92	3.3	72
421	Luminescence properties of Tb ³⁺ :Y ₃ Al ₅ O ₁₂ nanocrystallites prepared by the sol-gel method. <i>Optical Materials</i> , 2004 , 26, 117-121	3.3	68
420	Energy Migration Up-conversion of Tb ³⁺ in Yb ³⁺ and Nd ³⁺ Codoped Active-Core/Active-Shell Colloidal Nanoparticles. <i>Chemistry of Materials</i> , 2016 , 28, 2295-2300	9.6	66

4 ¹⁹	Comparison of different NaGdF ₄ :Eu ³⁺ synthesis routes and their influence on its structural and luminescent properties. <i>Journal of Physics and Chemistry of Solids</i> , 2005 , 66, 1008-1019	3.9	66
4 ¹⁸	Synthesis, crystalline structure and photoluminescence investigations of the new trivalent rare earth complexes (Sm ³⁺ , Eu ³⁺ and Tb ³⁺) containing 2-thiophenecarboxylate as sensitizer. <i>Inorganica Chimica Acta</i> , 2004 , 357, 451-460	2.7	65
4 ¹⁷	Power dependence of luminescence of Tb ³⁺ -doped KYb(WO ₄) ₂ crystal. <i>Journal of Luminescence</i> , 2001 , 92, 229-235	3.8	65
4 ¹⁶	Antimicrobial graphene family materials: Progress, advances, hopes and fears. <i>Advances in Colloid and Interface Science</i> , 2016 , 236, 101-12	14.3	62
4 ¹⁵	Rare-Earth Doped Nanocrystalline Phosphors for Field Emission Displays. <i>Journal of Nanomaterials</i> , 2007 , 2007, 1-7	3.2	62
4 ¹⁴	The impact of shell host (NaYF ₄ /CaF ₂) and shell deposition methods on the up-conversion enhancement in Tb ³⁺ , Yb ³⁺ codoped colloidal NaYF ₄ core-shell nanoparticles. <i>Nanoscale</i> , 2014 , 6, 1855-64	7.7	61
4 ¹³	Optically stimulated heating using Nd ³⁺ doped NaYF ₄ colloidal near infrared nanophosphors. <i>Applied Physics B: Lasers and Optics</i> , 2011 , 103, 847-852	1.9	60
4 ¹²	Site selection spectroscopy of Cr ³⁺ in MgAl ₂ O ₄ green spinel. <i>Journal of Luminescence</i> , 1996 , 68, 91-103	3.8	60
4 ¹¹	Spectroscopy of Eu-doped Lu ₂ O ₃ -based X-ray phosphor. <i>Journal of Alloys and Compounds</i> , 2002 , 341, 385-390	5.7	58
4 ¹⁰	Emission properties of nanostructured Eu ³⁺ doped zinc aluminate spinels. <i>Journal of Alloys and Compounds</i> , 2000 , 300-301, 456-458	5.7	58
4 ⁰⁹	The influence of Nd ³⁺ concentration and alkali ions on the sensitivity of non-contact temperature measurements in ALaP ₄ O ₁₂ :Nd ³⁺ (A = Li, K, Na, Rb) nanocrystalline luminescent thermometers. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 11284-11290	7.1	56
4 ⁰⁸	Controlling luminescence colour through concentration of Dy ³⁺ ions in LiLa _{1-x} Dy _x P ₄ O ₁₂ nanocrystals. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 5704-5708	7.1	55
4 ⁰⁷	Precursor and solvent effects in the nonhydrolytic synthesis of complex oxide nanoparticles for bioimaging applications by the ether elimination (Bradley) reaction. <i>Chemistry - A European Journal</i> , 2009 , 15, 6820-6	4.8	54
4 ⁰⁶	Structural and luminescent properties of nano-sized NaGdF ₄ :Eu ³⁺ synthesised by wet-chemistry route. <i>Journal of Alloys and Compounds</i> , 2004 , 380, 315-320	5.7	54
4 ⁰⁵	Anti-Stokes bright yellowish emission of NdAlO ₃ nanocrystals. <i>Journal of Applied Physics</i> , 2012 , 111, 024305	3.9	53
4 ⁰⁴	Synthesis and spectroscopic properties of CaTiO ₃ nanocrystals doped with Pr ³⁺ ions. <i>Journal of Alloys and Compounds</i> , 2008 , 451, 595-599	5.7	53
4 ⁰³	Optical behavior of Eu ³⁺ -doped BaTiO ₃ nano-crystallites prepared by sol-gel method. <i>Optical Materials</i> , 2003 , 24, 15-22	3.3	52
4 ⁰²	Laser induced white lighting of graphene foam. <i>Scientific Reports</i> , 2017 , 7, 41281	4.9	51

401	Laser operation and Raman self-frequency conversion in Yb:KYW microchip laser. <i>Applied Physics B: Lasers and Optics</i> , 2002 , 75, 795-797	1.9	50
400	The impact of nanocrystals size on luminescent properties and thermometry capabilities of Cr, Nd doped nanophosphors. <i>Sensors and Actuators B: Chemical</i> , 2017 , 238, 381-386	8.5	49
399	Hydrothermal preparation and photoluminescent properties of MgAl ₂ O ₄ : Eu ³⁺ spinel nanocrystals. <i>Journal of Luminescence</i> , 2010 , 130, 434-441	3.8	49
398	Synthesis and luminescence properties of Eu ³⁺ -doped LaAlO ₃ nanocrystals. <i>Journal of Alloys and Compounds</i> , 2006 , 408-412, 828-830	5.7	49
397	Luminescence properties of europium activated SrIn ₂ O ₄ . <i>Journal of Alloys and Compounds</i> , 2005 , 394, 88-92	5.7	48
396	Properties of Tb-doped vacuum-sintered Lu ₂ O ₃ storage phosphor. <i>Journal of Applied Physics</i> , 2003 , 94, 1318-1324	2.5	48
395	Infrared laser stimulated broadband white emission of Yb ³⁺ :YAG nanoceramics. <i>Optical Materials</i> , 2013 , 35, 2013-2017	3.3	47
394	Nanomaterials containing rare-earth ions Tb, Eu, Er and Yb: preparation, optical properties and application potential. <i>Journal of Luminescence</i> , 2003 , 102-103, 391-394	3.8	47
393	Optical properties of chromium(III) in trigonal KAl(MoO ₄) ₂ and monoclinic NaAl(MoO ₄) ₂ hosts. <i>Journal of Luminescence</i> , 2000 , 92, 151-159	3.8	47
392	Energy transfer between Tb ³⁺ and Eu ³⁺ in Y ₂ O ₃ crystals. <i>Journal of Luminescence</i> , 1988 , 39, 215-221	3.8	47
391	Synthesis and spectral properties of colloidal Nd ³⁺ doped NaYF ₄ nanocrystals. <i>Optical Materials</i> , 2011 , 33, 1481-1486	3.3	46
390	Cooperative processes in KYb(WO ₄) ₂ crystal doped with Eu ³⁺ and Tb ³⁺ ions. <i>Journal of Luminescence</i> , 2000 , 87-89, 999-1001	3.8	46
389	Photoluminescence and cathodoluminescence of Tb-doped Al ₂ O ₃ ZrO ₂ nanostructures obtained by sol-gel method. <i>Chemical Physics</i> , 2003 , 291, 275-285	2.3	44
388	Broadband anti-Stokes white emission of SrCeO nanocrystals induced by laser irradiation. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 27921-27927	3.6	43
387	IR and Raman spectroscopy study of YAG nanoceramics. <i>Chemical Physics Letters</i> , 2010 , 494, 279-283	2.5	43
386	The Structure and Spectroscopic Properties of Al _{2-x} Cr _x (WO ₄) ₃ Crystals in Orthorhombic and Monoclinic Phases. <i>Journal of Solid State Chemistry</i> , 1993 , 105, 49-69	3.3	42
385	Synthesis and antibacterial activity of novel titanium dioxide doped with silver. <i>Journal of Sol-Gel Science and Technology</i> , 2012 , 62, 79-86	2.3	41
384	Giant enhancement of upconversion in ultra-small Er ³⁺ /Yb ³⁺ :NaYF ₄ nanoparticles via laser annealing. <i>Nanotechnology</i> , 2012 , 23, 145705	3.4	41

383	Heteroleptic metal alkoxide "oxoclusters" as molecular models for the sol-gel synthesis of perovskite nanoparticles for bio-imaging applications. <i>Dalton Transactions</i> , 2008 , 3412-21	4.3	41
382	Photoluminescence from GaN nanopowder: The size effect associated with the surface-to-volume ratio. <i>Applied Physics Letters</i> , 2006 , 88, 181916	3.4	41
381	Shaping Luminescent Properties of Yb and Ho Co-Doped Upconverting Core-Shell [NaYF ₄] Nanoparticles by Dopant Distribution and Spacing. <i>Small</i> , 2017 , 13, 1701635	11	40
380	Optical properties of SiO ₂ /TiO ₂ thin film waveguides obtained by the sol-gel method and their applications for sensing purposes. <i>Optical Materials</i> , 2005 , 27, 1501-1505	3.3	40
379	Size effects on optical properties of Lu ₂ O ₃ :Eu ³⁺ nanocrystallites. <i>Journal of Alloys and Compounds</i> , 2002 , 344, 332-336	5.7	40
378	Sensing abilities of materials prepared by sol-gel technology. <i>Journal of Sol-Gel Science and Technology</i> , 2009 , 50, 201-215	2.3	39
377	Synthesis, structure, and optical properties of LiEu(PO ₃) ₄ nanoparticles. <i>Inorganic Chemistry</i> , 2011 , 50, 1321-30	5.1	37
376	Fluorescence resonance energy transfer in a non-conjugated system of CdSe quantum dots/zinc-phthalocyanine. <i>Journal of Luminescence</i> , 2010 , 130, 2487-2490	3.8	37
375	Analysis of absorption and luminescence spectra of U ³⁺ doped Cs ₂ NaYCl ₆ and Cs ₂ LiYCl ₆ single crystals. <i>Journal of Chemical Physics</i> , 1998 , 108, 10181-10188	3.9	37
374	Water dispersible LiNdP ₄ O ₁₂ nanocrystals: New multifunctional NIR-IR luminescent materials for bio-applications. <i>Journal of Luminescence</i> , 2016 , 176, 144-148	3.8	37
373	Thermal sensor based on luminescence of Ru(bpy) ₃ ²⁺ entrapped in sol-gel glasses. <i>Journal of Luminescence</i> , 1997 , 72-74, 226-228	3.8	36
372	Upconversion emission in CaTiO ₃ :Er ³⁺ nanocrystals. <i>Journal of Luminescence</i> , 2008 , 128, 797-799	3.8	36
371	Spectral properties of Eu ³⁺ doped NaGdF ₄ nanocrystals. <i>Journal of Luminescence</i> , 2005 , 114, 247-254	3.8	36
370	Fluorescence quenching in neodymium pentaphosphate. <i>Physica Status Solidi A</i> , 1977 , 41, 547-553		36
369	Possible electrochemical origin of ferroelectricity in HfO ₂ thin films. <i>Journal of Alloys and Compounds</i> , 2020 , 830, 153628	5.7	36
368	Bright upconversion emission of Nd ³⁺ in LiLa _{1-x} Nd _x P ₄ O ₁₂ nanocrystalline powders. <i>Optical Materials</i> , 2011 , 33, 1492-1494	3.3	35
367	Effect of random distribution and molecular interactions on optical properties of Er ³⁺ dopant in KY(WO ₄) ₂ and Ho ³⁺ in KYb(WO ₄) ₂ . <i>Journal of Molecular Structure</i> , 1998 , 450, 179-192	3.4	35
366	Fabrication and luminescence studies of Ce:Y ₃ Al ₅ O ₁₂ transparent nanoceramic. <i>Optical Materials</i> , 2008 , 30, 714-718	3.3	35

- 365 Structural and luminescent properties of nanostructured KGdF₄:Eu³⁺ synthesised by coprecipitation method. *Journal of Alloys and Compounds*, **2004**, 380, 321-326 5.7 35
- 364 Nature and optical behaviour of heavily europium-doped silica glasses obtained by the sol-gel method. *Journal of Non-Crystalline Solids*, **2002**, 298, 146-152 3.9 35
- 363 Microstructure and luminescence properties of nanocrystalline cerium silicates. *Journal of Alloys and Compounds*, **2002**, 341, 203-207 5.7 35
- 362 Temperature of broadband anti-Stokes white emission in LiYbP₄O₁₂: Er nanocrystals. *Applied Physics Letters*, **2014**, 105, 173113 3.4 34
- 361 Role of the sintering temperature and doping level in the structural and spectral properties of Eu-doped nanocrystalline YVO₄. *Inorganic Chemistry*, **2012**, 51, 1180-6 5.1 32
- 360 Laser-induced hot emission in Nd³⁺/Yb³⁺ YAG nanocrystallite ceramics. *Journal Physics D: Applied Physics*, **2002**, 35, 2503-2507 3 32
- 359 Luminescence studies of Cr³⁺ doped MgAl₂O₄ nanocrystalline powders. *Chemical Physics*, **2009**, 358, 52-56 2.3 31
- 358 The influence of the specific surface of grains on the luminescence properties of Nd³⁺-doped Y₃Al₅O₁₂ nanopowders. *Applied Physics B: Lasers and Optics*, **2008**, 91, 89-93 1.9 31
- 357 Spectroscopic investigations of nanostructured LiNbO₃ doped with Eu³⁺. *Journal of Luminescence*, **2006**, 119-120, 219-223 3.8 31
- 356 Synthesis and properties of an inorganic-organic hybrid prepared by the sol-gel method. *Optical Materials*, **2004**, 26, 207-211 3.3 31
- 355 Sintering properties of urea-derived Lu₂O₃-based phosphors. *Journal of Alloys and Compounds*, **2002**, 341, 391-394 5.7 31
- 354 Two blinking mechanisms in highly confined AgInS₂ and AgInS₂/ZnS quantum dots evaluated by single particle spectroscopy. *Nanoscale*, **2016**, 8, 4151-9 7.7 30
- 353 Thulium concentration quenching in the up-converting Tm³⁺/Yb³⁺ NaYF₄ colloidal nanocrystals. *Optical Materials*, **2013**, 35, 1124-1128 3.3 30
- 352 Luminescence properties of Nd:YAG nanoceramics prepared by low temperature high pressure sintering method. *Optical Materials*, **2007**, 29, 1244-1251 3.3 30
- 351 Structural and spectroscopic studies of Lu₂O₃/Eu³⁺ nanocrystallites embedded in SiO₂ sol-gel ceramics. *Journal of Physics and Chemistry of Solids*, **2003**, 64, 111-119 3.9 30
- 350 The effect of pumping power on fluorescence behavior of LiNdP₄O₁₂ nanocrystals. *Optical Materials*, **2011**, 33, 1097-1101 3.3 29
- 349 Hydroxyapatites and europium(III) doped hydroxyapatites as a carrier of silver nanoparticles and their antimicrobial activity. *Journal of Biomedical Nanotechnology*, **2012**, 8, 605-12 4 29
- 348 Photoluminescence investigations of Eu³⁺ doped BaTiO₃ nanopowders fabricated using heterometallic tetranuclear alkoxide complexes. *Journal of Alloys and Compounds*, **2008**, 451, 557-562 5.7 28

347	Ternary orthophosphates of the $Ba_3Y_{1-x}Nd_x(PO_4)_3$ family as possible powder laser materials. <i>Journal of Alloys and Compounds</i> , 2002 , 341, 371-375	5.7	28
346	Spectroscopic Properties and Magnetic Phase Transitions in Scheelite $MI_2Cr(MoO_4)_2$ and Wolframite $MI_2Cr(WO_4)_2$ Crystals, where $MI=Li, Na, K, \text{ and } Cs$. <i>Journal of Solid State Chemistry</i> , 1999 , 148, 468-478	3.3	28
345	Synthesis and optical properties of Eu^{3+} and Tb^{3+} doped GaN nanocrystallite powders. <i>Optical Materials</i> , 2006 , 28, 767-770	3.3	27
344	Annihilation of the persistent luminescence of $MAI_2O_4:Eu^{2+}$ by Sm^{3+} co-doping. <i>Radiation Measurements</i> , 2004 , 38, 515-518	1.5	27
343	Influence of grain size on optical properties of Sr_2CeO_4 nanocrystals. <i>Journal of Chemical Physics</i> , 2015 , 142, 184701	3.9	26
342	Energy up-conversion in Tb^{3+}/Yb^{3+} co-doped colloidal $NaYF_4$ nanocrystals. <i>Journal of Luminescence</i> , 2013 , 140, 103-109	3.8	26
341	Optically stimulated persistent luminescence of europium-doped $LaAlO_3$ nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 17246-52	3.6	26
340	Tuning luminescence properties of Eu^{3+} doped $CaAl_2O_4$ nanophosphores with Na^+ co-doping. <i>Journal of Luminescence</i> , 2013 , 133, 102-109	3.8	26
339	Preparation and spectroscopy characterization of $Eu:MgAl_2O_4$ nanopowder prepared by modified Pechini method. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 5803-10	1.3	26
338	Synthesis and luminescence properties of $LiLa_{1-x}Nd_xP_4O_{12}$ nanocrystals. <i>Optical Materials</i> , 2010 , 33, 131-135	3.3	26
337	Fluorescence and Absorption Probe of Metal Ion Centers in Silicates Obtained by the Sol-Gel Technique. <i>Journal of Sol-Gel Science and Technology</i> , 1998 , 13, 611-615	2.3	26
336	Structural and luminescence properties of Eu^{3+} doped $Ba_xSr_{1-x}TiO_3$ (BST) nanocrystalline powders prepared by different methods. <i>Optical Materials</i> , 2006 , 28, 1284-1288	3.3	26
335	Change in photoluminescence spectra of Eu -doped GaN powders due to the aggregation of nanosized grains into micrometer-sized conglomerations. <i>Applied Physics Letters</i> , 2006 , 88, 061916	3.4	26
334	Physicochemical properties of $Ru(bpy)_3^{2+}$ entrapped in silicate bulks and fiber thin films prepared by the sol-gel method. <i>Chemical Physics Letters</i> , 1999 , 314, 83-90	2.5	26
333	Simple and efficient synthesis of a $Nd:LaAlO_3$ NIR nanophosphor from rare earth alkoxo-monoaluminates $Ln_2Al_2(O(i)Pr)_{12}((i)PrOH)_2$ single source precursors by Bradley reaction. <i>Inorganic Chemistry</i> , 2010 , 49, 2684-91	5.1	25
332	Enhancement of luminescence properties of $Eu^{3+}:YVO_4$ in polymeric nanocomposites upon UV excitation. <i>Journal of Luminescence</i> , 2011 , 131, 473-476	3.8	25
331	Structure and properties of the $KNbW_2O_9$ hexagonal bronze doped with Eu^{3+} ions as an optically active probe. <i>Journal of Alloys and Compounds</i> , 2004 , 380, 248-254	5.7	25
330	Textile with silver silica spheres: its antimicrobial activity against <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> . <i>Journal of Sol-Gel Science and Technology</i> , 2009 , 51, 330-334	2.3	24

- 329 Spectroscopic properties of LaAlO₃ nanocrystals doped with Tb³⁺ ions. *Journal of Luminescence*, **2007**, 122-123, 780-783 3.8 24
- 328 Optical investigation of the emission lines for Eu³⁺ and Tb³⁺ ions in the GaN powder host. *Journal of Luminescence*, **2007**, 126, 219-224 3.8 24
- 327 Infrared induced red luminescence of Eu³⁺-doped polycrystalline LiNbO₃. *Applied Physics Letters*, **2006**, 88, 161118 3.4 24
- 326 Concentration dependence of absorption spectra of Pr³⁺ in LiLa_{1-x}Pr_xP₄O₁₂ crystals. *Journal of Physics and Chemistry of Solids*, **1991**, 52, 681-683 3.9 24
- 325 Laser-excited luminescence in Ti-doped MgAl₂O₄ spinel. *Journal of Applied Physics*, **1990**, 68, 736-740 2.5 24
- 324 Laser induced white emission generated by infrared excitation from Eu:SrCeO nanocrystals. *Journal of Chemical Physics*, **2017**, 146, 104705 3.9 23
- 323 Luminescence and excitation spectra of Cr³⁺:MgAl₂O₄ nanoceramics. *Materials Chemistry and Physics*, **2013**, 140, 222-227 4.4 23
- 322 Broadband laser induced white emission observed from Nd³⁺ doped Sr₂CeO₄ nanocrystals. *Journal of Luminescence*, **2017**, 192, 243-249 3.8 23
- 321 Morphology- and size-dependent spectroscopic properties of Eu-doped GdO colloidal nanocrystals. *Journal of Nanoparticle Research*, **2014**, 16, 2690 2.3 23
- 320 Luminescence properties of Cr³⁺:Y₃Al₅O₁₂ nanocrystals. *Journal of Luminescence*, **2009**, 129, 548-553 3.8 23
- 319 Luminescence properties of BaMg₂Si₂O₇:Eu²⁺,Mn²⁺. *Journal of Alloys and Compounds*, **2008**, 451, 229-234 3.1 23
- 318 Efficient up-conversion in KYb_{0.8}Eu_{0.2}(WO₄)₂ crystal. *Journal of Alloys and Compounds*, **2000**, 300-301, 180-183 5.7 23
- 317 Electronic properties and third-order optical nonlinearities in tetragonal chalcopyrite AgInS₂, AgInS₂/ZnS and cubic spinel AgIn₅S₈, AgIn₅S₈/ZnS quantum dots. *Journal of Materials Chemistry C*, **2017**, 5, 149-158 7.1 22
- 316 Optical nonlinearities and two-photon excited time-resolved luminescence in colloidal quantum-confined CuInS₂/ZnS heterostructures. *RSC Advances*, **2014**, 4, 34065 3.7 22
- 315 Yb³⁺Ions Distribution in YAG Nanoceramics Analyzed by Both Optical and TEM-EDX Techniques. *Journal of Physical Chemistry C*, **2014**, 118, 15474-15486 3.8 22
- 314 Size dependence on infrared spectra of NaGdF₄ nanocrystals. *Chemical Physics Letters*, **2006**, 418, 75-78 2.5 22
- 313 Laser induced broad band anti-Stokes white emission from LiYbF₄ nanocrystals. *Journal of Rare Earths*, **2016**, 34, 227-234 3.7 21
- 312 Ce:Y₃Al₅O₁₂/Poly(methyl methacrylate) Composite for White-Light-Emitting Diodes. *Journal of Physical Chemistry C*, **2014**, 118, 9107-9113 3.8 21

311	Structural and spectroscopic properties of Yb ³⁺ -doped MgAl ₂ O ₄ nanocrystalline spinel. <i>Dalton Transactions</i> , 2014 , 43, 7752-9	4.3	21
310	Comparative studies on structural and luminescent properties of Eu ³⁺ :MgAl ₂ O ₄ and Eu ³⁺ /Na ⁺ :MgAl ₂ O ₄ nanopowders and nanoceramics. <i>Optical Materials</i> , 2012 , 35, 130-135	3.3	21
309	Luminescence properties of Eu ³⁺ :KGd(WO ₄) ₂ nanocrystallites. <i>Materials Chemistry and Physics</i> , 2009 , 115, 536-540	4.4	21
308	Luminescence properties of BaTiO ₃ :Eu ³⁺ obtained via microwave stimulated hydrothermal method. <i>Materials Research Bulletin</i> , 2009 , 44, 1328-1333	5.1	21
307	Microwave driven hydrothermal synthesis of Ba _{1-x} Sr _x TiO ₃ nanoparticles. <i>Materials Research Bulletin</i> , 2007 , 42, 1188-1194	5.1	21
306	Comparison of spectroscopic properties of nanoparticulate Lu ₂ O ₃ :Eu synthesized using different techniques. <i>Journal of Alloys and Compounds</i> , 2004 , 380, 123-129	5.7	21
305	Spectroscopic studies of chromium-doped silica sol-gel glasses. <i>Journal of Non-Crystalline Solids</i> , 2001 , 288, 56-65	3.9	21
304	Influence of calcium concentration on formation of tetravalent chromium doped Y ₃ Al ₅ O ₁₂ ceramics. <i>Ceramics International</i> , 2018 , 44, 13513-13519	5.1	20
303	New photosensitive nanometric graphite oxide composites as antimicrobial material with prolonged action. <i>Journal of Inorganic Biochemistry</i> , 2016 , 159, 142-8	4.2	20
302	Study on the Properties of Waste Apatite Phosphogypsum as a Raw Material of Prospective Applications. <i>Waste and Biomass Valorization</i> , 2019 , 10, 3143-3155	3.2	20
301	Ligand-dependent luminescence of ultra-small Eu-doped NaYF ₄ nanoparticles. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1707	2.3	20
300	Investigation of Structure, Morphology, and Luminescence Properties in Blue-Red Emitter, Europium-Activated ZnAl ₂ O ₄ Nanospinels. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 3418-3428	2.3	20
299	Antimicrobial PDT with chlorophyll-derived photosensitizer and semiconductor laser. <i>Medical Laser Application: International Journal for Laser Treatment and Research</i> , 2006 , 21, 177-183		20
298	Second harmonic generation and Yb ³⁺ cooperative emission used as structural probes in size-driven cubic-tetragonal phase transition in BaTiO ₃ sol-gel nanocrystals. <i>Journal of Luminescence</i> , 2006 , 119-120, 383-387	3.8	20
297	Technology and Applications of Sol-Gel Materials. <i>Radiation Effects and Defects in Solids</i> , 2003 , 158, 439-459		20
296	Synthesis and properties of solution-processed Eu ³⁺ :BaY ₂ F ₈ . <i>Journal of Luminescence</i> , 2005 , 114, 1-8	3.8	20
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