Wieslaw Strek

List of Publications by Year in Descending Order

436 papers	8,584 citations	46 h-index	67 g-index
472 ext. papers	9,446 ext. citations	3.6 avg, IF	6.21 L-index

#	Paper	IF	Citations
436	Effect of Yb3+ concentration on the optical properties and trap creation in CsPbCl3 perovskite powder. *Journal of Alloys and Compounds*, **2022**, 905, 164216	5.7	0
435	Laser driven coherent white emission of graphene bulb. *Optics Communications*, **2022**, 514, 128140	2	1
434	Thermal Radiation of Graphene. *Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)*, **2022**, 130, 18-22	0.7	
433	Boosting Continuous-Wave Laser-Driven Nonlinear Photothermal white Light Generation by Nanoscale Porosity. *Advanced Materials*, **2021**, e2106368	24	2
432	Laser induced broad band white emission from transparent Cr4+:YAG ceramics: Origin of broadband emission. *Journal of Luminescence*, **2021**, 233, 117935	3.8	8
431	Laser induced broadband Vis and NIR emission from Yb:YAG nanopowders. *Journal of Alloys and Compounds*, **2021**, 865, 158957	5.7	7
430	Laser induced hydrogen emission from ethanol with dispersed graphene particles. *Chemical Physics Letters*, **2021**, 775, 138649	2.5	0
429	Evolution of the crystal structure and magnetic properties of Sm-doped BiFeO3 ceramics across the phase boundary region. *Ceramics International*, **2021**, 47, 5399-5406	5.1	7
428	Infrared laser stimulated broadband white emission of transparent Cr:YAG ceramics obtained by solid state reaction sintering. *Optical Materials*, **2021**, 111, 110673	3.3	8
427	Laser-Induced Hydrogen Generation from Methanol with Graphene Aerogel as the Target. *ACS Omega*, **2021**, 6, 3711-3716	3.9	2
426	Investigation of coherence properties of white light emission of tungsten lamp additionally excited with laser radiation. *AIP Advances*, **2021**, 11, 025119	1.5	2
425	Surface related laser induced white emission of Cr:YAG ceramic. *Scientific Reports*, **2021**, 11, 14063	4.9	6
424	Laser induced visible and infrared emission of a tungsten filament. *Optics Express*, **2021**, 29, 27291-27297	3.3	1
423	Morphotropic phase boundary in Sm-substituted BiFeO3 ceramics: Local vs microscopic approaches. *Journal of Alloys and Compounds*, **2021**, 875, 159994	5.7	3
422	Impact of Alkali Ions Codoping on Magnetic Properties of La0.9A0.1Mn0.9Co0.1O3 (A: Li, K, Na) Powders and Ceramics. *Applied Sciences (Switzerland)*, **2020**, 10, 8786	2.6	
421	Coherent white emission of graphene. *Applied Physics Letters*, **2020**, 116, 171105	3.4	7
420	Current Driven Light Emission of Sodium Silica Gels. *ECS Journal of Solid State Science and Technology*, **2020**, 9, 056002	2	

419	Studies of graphene influence on the laser induced white emission spectra of SrCeO/graphene flake composites. *Dalton Transactions*, **2020**, 49, 9130-9136	4.3	4
418	Upconversion luminescence in Cr3+:YAG single crystal under infrared excitation. *Journal of Luminescence*, **2020**, 226, 117467	3.8	11
417	Impact of Tb ion concentration on the morphology, structure and photoluminescence of Gd O SO :Tb phosphor obtained using thermal decomposition of sulfate hydrate. *Luminescence*, **2020**, 35, 1254-1263	2.5	5
416	Laser induced anti-Stokes emission from graphene nanoparticles infiltrated into opal based photonic structure. *Optical Materials*, **2020**, 101, 109744	3.3	6
415	Nanoscale ferroelectricity in pseudo-cubic sol-gel derived barium titanate - bismuth ferrite (BaTiO3□BiFeO3) solid solutions. *Journal of Alloys and Compounds*, **2020**, 830, 154632	5.7	13
414	Dynamics of Yb2+ to Yb3+ ion valence transformations in Yb:YAG ceramics used for high-power lasers. *Optical Materials*, **2020**, 101, 109774	3.3	14
413	Rare earth elements and urban mines: Critical strategies for sustainable development. *Ceramics International*, **2020**, 46, 26247-26250	5.1	6
412	Preparation and physical characteristics of graphene ceramics. *Scientific Reports*, **2020**, 10, 11121	4.9	5
411	Optical properties and Judd□Ofelt analysis of Sm3+ ions in Sm2O2S: Reddish-orange emission and thermal stability. *Optical Materials*, **2020**, 107, 110160	3.3	2
410	Direct light-induced propulsion of vessels filled with a suspension of graphene particles and methanol. *Scientific Reports*, **2020**, 10, 2222	4.9	1
409	Magnetic Properties of LaAMnO (A: Li, Na, K) Nanopowders and Nanoceramics. *Materials*, **2020**, 13,	3.5	3
408	Laser induced broadband emission spectra of graphene foam. *Physica B: Condensed Matter*, **2020**, 579, 411840	2.8	9
407	Possible electrochemical origin of ferroelectricity in HfO2 thin films. *Journal of Alloys and Compounds*, **2020**, 830, 153628	5.7	36
406	The Influence of Excitation Density on Laser Induced White Lighting of Wide-Band-Gap Semiconductor ZnSe:Yb Polycrystallite Ceramics. *ECS Journal of Solid State Science and Technology*, **2020**, 9, 016020	2	0
405	Laser induced emission spectra of gallium nitride nanoceramics. *Ceramics International*, **2020**, 46, 29060-29066	3.1	5
404	Influence of graphene flakes on upconversion spectra of Y2O3:Yb3+,Er3+ nanocrystalline powders. *Optical Materials*, **2020**, 109, 110047	3.3	1
403	Novel synthetic approach to the preparation of single-phase BixLa1□MnO3+□solid solutions. *Journal of Sol-Gel Science and Technology*, **2020**, 93, 650-656	2.3	6
402	Emission properties of Nd3+:Y2Si2O7 nanocrystals under high excitation power density. *Optical Materials*, **2019**, 96, 109257	3.3	6

401	Kinetics of Cr to Cr ion valence transformations and intra-lattice cation exchange of Cr in Cr,Ca:YAG ceramics used as laser gain and passive Q-switching media. *Journal of Chemical Physics*, **2019**, 151, 134708	3.9	13
400	Impact of grain size, Pr3+ concentration and host composition on non-contact temperature sensing abilities of polyphosphate nano- and microcrystals. *Journal of Rare Earths*, **2019**, 37, 812-818	3.7	9
399	Optical, Dielectric and Magnetic Properties of La1NdxFeO3 Powders and Ceramics. *Ceramics*, **2019**, 2, 1-12	1.7	3
398	Synthesis, photoluminescence properties and thermal investigation by TG-MS of RE(DAS)3xH2O(RE = Eu3+, Tb3+). *Journal of Rare Earths*, **2019**, 37, 1164-1169	3.7	2
397	Optically Driven Tunable Transistor Effect at Matter/Vacuum Interfaceoward Dielectric Optical Transistors. *ACS Applied Electronic Materials*, **2019**, 1, 1141-1149	4	2
396	Key factors tuning upconversion and near infrared luminescence in nanosized Lu2O3:Er3+,Yb3+. *Journal of Alloys and Compounds*, **2019**, 799, 481-494	5.7	8
395	Defects mediated charge disturbance in quantum-confined AgxS/AgInS2 random alloysoward slowly decaying quantum dot emitters. *Journal of Alloys and Compounds*, **2019**, 798, 290-299	5.7	6
394	Upconversion luminescence of Gd2O3:Er3+ and Gd2O3:Er3+/silica nanophosphors fabricated by EDTA combustion method. *Journal of Rare Earths*, **2019**, 37, 1126-1131	3.7	7
393	Laser induced broadband white emission of Y2Si2O7 nanocrystals. *Journal of Rare Earths*, **2019**, 37, 1196-1199	3.7	8
392	Luminescent and magnetic properties of multifunctional europium(III) complex based nanocomposite. *Journal of Rare Earths*, **2019**, 37, 1237-1241	3.7	6
391	Synthesis and luminescence of Eu3+ doped nanocrystalline TiO2 spheres. *Journal of Rare Earths*, **2019**, 37, 1121-1125	3.7	4
390	Impact of the synthesis procedure on the spectroscopic properties of anti-Stokes white emission obtained from Sr2CeO4 phosphor. *Journal of Photochemistry and Photobiology A: Chemistry*, **2019**, 382, 111855	4.7	6
389	Palladium Nanoparticles Supported on Graphene Oxide as Catalysts for the Synthesis of Diarylketones. *Catalysts*, **2019**, 9, 319	4	7
388	The role of Ca2+ ions in the formation of high optical quality Cr4+,Ca:YAG ceramics. *Journal of the European Ceramic Society*, **2019**, 39, 3344-3352	6	19
387	Structural and optical characterization of RbLaPO:Ln (Ln = Ce, Nd, Tm, or Yb). *Journal of Chemical Physics*, **2019**, 150, 094706	3.9	1
386	Laser-driven proliferation of sp2-sp3 changes during anti-Stokes white light emission of diamonds. *Carbon*, **2019**, 146, 438-446	10.4	14
385	DFT calculations of metal-organic I-III-VI semiconductor clusters: Benchmark of exchange-correlation functionals and localized basis sets. *Computational Materials Science*, **2019**, 163, 186-195	3.2	8
384	Great enhancement of monodispersity and luminescent properties of Gd2O3:Eu and Gd2O3:Eu@Silica nanospheres. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2019**, 241, 1-8	3.1	3

383	Phototransistor effect in nanocrystalline neodymium aluminum perovskite (NdAP) under 808 nm laser excitation. *Optical Materials*, **2019**, 89, 283-287	3.3	2
382	Influence of Cr doping on the phase composition of Cr,Ca:YAG ceramics by solid state reaction sintering. *Journal of the American Ceramic Society*, **2019**, 102, 2104-2115	3.8	19
381	Study on the Properties of Waste Apatite Phosphogypsum as a Raw Material of Prospective Applications. *Waste and Biomass Valorization*, **2019**, 10, 3143-3155	3.2	20
380	Frozen pressure effect in GGAG:Ce3+ white light emitting nanoceramics. *Ceramics International*, **2019**, 45, 21870-21877	5.1	3
379	Light-Activated Zirconium(IV) Phthalocyanine Derivatives Linked to Graphite Oxide Flakes and Discussion on Their Antibacterial Activity. *Applied Sciences (Switzerland)*, **2019**, 9, 4447	2.6	4
378	Fabrication and luminescent properties of (Y0.99Eu0.01)2O3 transparent nanostructured ceramics. *Optical Materials*, **2018**, 78, 285-291	3.3	2
377	Influence of calcium concentration on formation of tetravalent chromium doped Y3Al5O12 ceramics. *Ceramics International*, **2018**, 44, 13513-13519	5.1	20
376	Spherical nanoparticles of europium-doped silica alcia glass and glass-ceramic: Spectroscopic characterization. *Journal of Molecular Structure*, **2018**, 1166, 48-53	3.4	10
375	Co-occurrent white emission and photoconductivity in Yb3+ doped YAG nanoceramics induced by infrared laser excitation. *Journal of Luminescence*, **2018**, 199, 251-257	3.8	6
374	Laser induced white lighting of tungsten filament. *Optical Materials*, **2018**, 78, 335-338	3.3	16
373	Downconversion process in Yb3+doped GdAG nanocrystals. *Journal of Luminescence*, **2018**, 193, 70-72	3.8	9
372	Metal-ligand interaction in ternary AgxInxSy clusters (TD)DFT study. *Journal of Luminescence*, **2018**, 193, 79-83	3.8	3
371	Luminescent sol gel-derived micro and nanoparticles **2018**,		1
370	The bright white emission of -diamonds **2018**,		2
369	Biocompatible Carbon-Based Coating as Potential Endovascular Material for Stent Surface. *BioMed Research International*, **2018**, 2018, 2758347	3	3
368	Laser induced white lighting of graphene foam. *Scientific Reports*, **2017**, 7, 41281	4.9	51
367	Cathodoluminescence of YAG:Nd optical nanoceramics in the visible and UV ranges. *Optical Materials*, **2017**, 74, 170-175	3.3	6
366	Illumination intensity dependent photoresponse of ultra-thin ZnO/graphene/ZnO heterostructure. *Optical Materials*, **2017**, 74, 176-182	3.3	3

365	New Antibacterial Photoactive Nanocomposite Additives for Endodontic Cements and Fillings. *NATO Science for Peace and Security Series B: Physics and Biophysics*, **2017**, 507-509	0.2	
364	Optimization of highly sensitive YAG:Cr,Nd nanocrystal-based luminescent thermometer operating in an optical window of biological tissues. *Physical Chemistry Chemical Physics*, **2017**, 19, 7343-7351	3.6	93
363	Influence of dopant concentration on spectroscopic properties of Sr2CeO4:Yb nanocrystals. *Optical Materials*, **2017**, 74, 34-40	3.3	2
362	Nanocrystalline lanthanide tetraphosphates: Energy transfer processes in samples co-doped with Pr3+/Yb3+ and Tm3+/Yb3+. *Optical Materials*, **2017**, 74, 159-165	3.3	4
361	Influence concentration of Nd 3+ ion on the laser induced white emission of Y 2 Si 2 O 7 :Nd 3+. *Optical Materials*, **2017**, 74, 135-138	3.3	17
360	Laser induced white emission generated by infrared excitation from Eu:SrCeO nanocrystals. *Journal of Chemical Physics*, **2017**, 146, 104705	3.9	23
359	Light-induced confinement of electrons in stacked distorted graphene layers - a (TD-)DFT study. *Physical Chemistry Chemical Physics*, **2017**, 19, 10395-10400	3.6	2
358	Tuning of the up-conversion emission and sensitivity of luminescent thermometer in LiLaP 4 O 12 :Tm,Yb nanocrystals via Eu 3+ dopants. *Journal of Luminescence*, **2017**, 184, 179-184	3.8	19
357	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
356	Size Effect in Novel Red Efficient Garnet Nanophosphor. *Journal of Physical Chemistry C*, **2017**, 121, 25564-25567	4.8	12
355	Bioimaging: Shaping Luminescent Properties of Yb3+ and Ho3+ Co-Doped Upconverting Core–Shell β-NaYF4 Nanoparticles by Dopant Distribution and Spacing (Small 47/2017). *Small*, **2017**, 13, 1770246	11	6
354	Shaping Luminescent Properties of Yb and Ho Co-Doped Upconverting Core-Shell β-NaYF Nanoparticles by Dopant Distribution and Spacing. *Small*, **2017**, 13, 1701635	11	40
353	Broadband laser induced white emission observed from Nd3+ doped Sr2CeO4 nanocrystals. *Journal of Luminescence*, **2017**, 192, 243-249	3.8	23
352	Broadband white emission from Yb3+ doped Sr2CeO4 nanocrystals. *Optical Materials*, **2017**, 65, 95-98	3.3	16
351	The concentration dependent up-conversion luminescence of Ho3+ and Yb3+ co-doped β-NaYF4. *Journal of Luminescence*, **2017**, 182, 114-122	3.8	16
350	The impact of nanocrystals size on luminescent properties and thermometry capabilities of Cr, Nd doped nanophosphors. *Sensors and Actuators B: Chemical*, **2017**, 238, 381-386	8.5	49
349	Influence of grain size and Nd3+ concentration on the stimulated emission of LiLa1-xNdxP4O12 crystal powders. *Optical Materials*, **2017**, 63, 46-50	3.3	7
348	Luminescent Sr2CeO4 nanocrystals for applications in organic solar cells with conjugated polymers. *Journal of Luminescence*, **2016**, 169, 857-861	3.8	7

347	Modulation of the up-converting optical properties of Yb3+/Tm3+ doped NaYF4 nanocrystals with calcium co-doping. *Journal of Luminescence*, **2016**, 169, 717-721	3.8	11
346	Antimicrobial graphene family materials: Progress, advances, hopes and fears. *Advances in Colloid and Interface Science*, **2016**, 236, 101-12	14.3	62
345	Influence of coating on the photoluminescence of Tb3+ doped ZnSe/ZnS core-shell quantum dots. *Journal of Rare Earths*, **2016**, 34, 828-832	3.7	8
344	Broadband anti-Stokes white emission of SrCeO nanocrystals induced by laser irradiation. *Physical Chemistry Chemical Physics*, **2016**, 18, 27921-27927	3.6	43
343	The influence of Nd3+ concentration and alkali ions on the sensitivity of non-contact temperature measurements in ALaP4O12:Nd3+ (A = Li, K, Na, Rb) nanocrystalline luminescent thermometers. *Journal of Materials Chemistry C*, **2016**, 4, 11284-11290	7.1	56
342	The influence of temperature, pressure and Ag doping on the physical properties of TiO nanoceramics. *Nanoscale*, **2016**, 8, 19703-19713	7.7	5
341	The effect of intentional potassium co-doping on the luminescent properties of Yb3+ and Tm3+ doped NaYF4 core and core shell nanoparticles. *Journal of Luminescence*, **2016**, 178, 34-42	3.8	4
340	Structural and optical investigation of nanocrystalline lithium lanthanum praseodymium tetraphosphate powders. *Journal of Alloys and Compounds*, **2016**, 687, 733-740	5.7	8
339	Spectroscopic and structural properties of polycrystalline Y 2 Si 2 O 7 doped with Er 3+. *Journal of Luminescence*, **2016**, 170, 614-618	3.8	7
338	Spectral characteristic and crystal-field calculations for new Er(III) phosphor of the type [Er(SP)4] (where SP=C6H5S(O)2NP(O)(OCH3)2) *Journal of Luminescence*, **2016**, 169, 777-781	3.8	10
337	Size and temperature dependence of optical properties of Eu3+:Sr2CeO4 nanocrystals for their application in luminescence thermometry. *Materials Research Bulletin*, **2016**, 76, 133-139	5.1	18
336	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
335	New photosensitive nanometric graphite oxide composites as antimicrobial material with prolonged action. *Journal of Inorganic Biochemistry*, **2016**, 159, 142-8	4.2	20
334	Energy Migration Up-conversion of Tb3+ in Yb3+ and Nd3+ Codoped Active-Core/Active-Shell Colloidal Nanoparticles. *Chemistry of Materials*, **2016**, 28, 2295-2300	9.6	66
333	Laser induced broad band anti-Stokes white emission from LiYbF4 nanocrystals. *Journal of Rare Earths*, **2016**, 34, 227-234	3.7	21
332	The impact of Eu 3+ concentration on charge transfer and f transitions in KLa 1 Eu x P 4 O 12 nanocrystals. *Journal of Luminescence*, **2016**, 169, 238-244	3.8	8
331	Memory effect and cathodoluminescent properties of YAG:Nd3+ nanoceramics. *Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)*, **2016**, 120, 896-901	0.7	2
330	Significance of light-soaking effect in proper analysis of degradation dynamics of organic solar cells. *Journal of Photonics for Energy*, **2016**, 6, 035503	1.2	5

329	Comment on A strategy for enhancing the sensitivity of optical thermometers in NaLuF4:Yb3+/Er3+ nanocrystals. *Journal of Materials Chemistry C*, **2016**, 4, 4327-4328	7.1	8
328	Modulation of thulium upconversion in potassium tetraphosphate (KLaP4O12) nanocrystals by co-doping with Yb3+ ions. *Journal of Materials Chemistry C*, **2016**, 4, 2513-2517	7.1	7
327	Water dispersible LiNdP4O12 nanocrystals: New multifunctional NIR-NIR luminescent materials for bio-applications. *Journal of Luminescence*, **2016**, 176, 144-148	3.8	37
326	Downconversion in Y 2 Si 2 O 7 : Pr 3+ , Yb 3+ polymorphs for its possible application as luminescent concentrators in photovoltaic solar-cells. *Journal of Luminescence*, **2016**, 177, 172-177	3.8	17
325	Sensitivity of a Nanocrystalline Luminescent Thermometer in High and Low Excitation Density Regimes. *Journal of Physical Chemistry C*, **2016**, 120, 8877-8882	3.8	105
324	Silver Nanoforms as a Therapeutic Agent for Killing Escherichia coli and Certain ESKAPE Pathogens. *Current Microbiology*, **2016**, 73, 139-47	2.4	10
323	A new generation of highly sensitive luminescent thermometers operating in the optical window of biological tissues. *Journal of Materials Chemistry C*, **2016**, 4, 5559-5563	7.1	119
322	Luminescence investigation of Dy2O2S and Dy2O2SO4 obtained by thermal decomposition of sulfate hydrate. *Journal of Rare Earths*, **2016**, 34, 814-819	3.7	14
321	Synthesis and characterization of monodisperse Eu3+ doped gadolinium oxysulfide nanocrystals. *Journal of Rare Earths*, **2016**, 34, 850-856	3.7	8
320	Tailoring structure and electric transport properties of the magnetic iron boron nitride nanoceramics. *Journal of Magnetism and Magnetic Materials*, **2015**, 384, 144-147	2.8	1
319	Optical, luminescent and laser properties of highly transparent ytterbium doped yttrium lanthanum oxide ceramics. *Optical Materials*, **2015**, 50, 15-20	3.3	15
318	Synthesis and characterization of nanostructured europium(III) complexes containing gold nanoparticles. *Journal of Luminescence*, **2015**, 166, 67-70	3.8	12
317	Photophysical and theoretical studies of structure and spectroscopic behaviour of axially substituted Yb(III) mono-phthalocyanines in different media. *Journal of Photochemistry and Photobiology A: Chemistry*, **2015**, 309, 65-71	4.7	10
316	Influence of grain size on optical properties of Sr2CeO4 nanocrystals. *Journal of Chemical Physics*, **2015**, 142, 184701	3.9	26
315	Near infrared absorbing near infrared emitting highly-sensitive luminescent nanothermometer based on Nd(3+) to Yb(3+) energy transfer. *Physical Chemistry Chemical Physics*, **2015**, 17, 24315-21	3.6	138
314	Synthesis and up-conversion luminescence of Er(3+) and Y b(3+) codoped nanocrystalline tetra-(KLaP4O12) and pentaphosphates (LaP5O14). *Journal of Chemical Physics*, **2015**, 143, 094701	3.9	18
313	X-ray luminescence properties of LiLa1-xNdxP4O12 nanocrystals: Concentration and size effects. *Optical Materials*, **2015**, 50, 134-137	3.3	0
312	Sol-gel-derived photonic structures handling erbium ions luminescence. *Optical and Quantum Electronics*, **2015**, 47, 117-124	2.4	9

311	Persistent Photoconductance in Graphene Ceramics. *Physics Procedia*, **2015**, 76, 155-159		7
310	Preparation and Characterization of Yttrium Hydroxide and Oxide Doped with Rare Earth Ions (Eu3+, Tb3+) Nano One-dimensional. *Physics Procedia*, **2015**, 76, 73-79		8
309	Optically stimulated persistent luminescence of europium-doped LaAlO3 nanocrystals. *Physical Chemistry Chemical Physics*, **2015**, 17, 17246-52	3.6	26
308	Laser-induced white-light emission from graphene ceramics□pening a band gap in graphene. *Light: Science and Applications*, **2015**, 4, e237-e237	16.7	98
307	An Approach in the Structural and Spectroscopic Analysis of Yb3+-Doped YAG Nano-ceramics by Conjugation of TEM-EDX and Optical Techniques. *NATO Science for Peace and Security Series B: Physics and Biophysics*, **2015**, 285-307	0.2	
306	Comprehensive study of photoluminescence and cathodoluminescence of YAG:Eu3+ nano- and microceramics. *Optical Materials*, **2015**, 50, 59-64	3.3	7
305	Size effect in luminescent properties of LiNdP4O12 nanocrystals. *Optical Materials*, **2015**, 41, 17-20	3.3	12
304	Synthesis and Nd3+ Luminescence Properties of ALa1□NdxP4O12 (A = Li, Na, K, Rb) Tetraphosphate Nanocrystals. *Journal of Physical Chemistry C*, **2015**, 119, 5160-5167	3.8	15
303	Synthesis and spectroscopic properties of RbLa1□EuxP4O12 nanocrystals. *Journal of Alloys and Compounds*, **2015**, 624, 210-215	5.7	10
302	Ce:Y3Al5O12□oly(methyl methacrylate) Composite for White-Light-Emitting Diodes. *Journal of Physical Chemistry C*, **2014**, 118, 9107-9113	3.8	21
301	Cooperative absorption transitions in LiLa1□NdxP4O12 nanocrystals. *Journal of Luminescence*, **2014**, 148, 214-218	3.8	4
300	The impact of shell host (NaYF□CaF□and shell deposition methods on the up-conversion enhancement in Tb□+, Yb□+ codoped colloidal □NaYF□core-shell nanoparticles. *Nanoscale*, **2014**, 6, 1855-64	7.7	61
299	Structural and Spectroscopic Characterization of Nd3+-Doped YVO4 Yttrium Orthovanadate Nanocrystallites. *Crystal Growth and Design*, **2014**, 14, 5512-5520	3.5	17
298	The effect of surface ligand, solvent and Yb3+ co-doping on the luminescence properties of Er3+ in colloidal NaGdF4 nanocrystals. *Journal of Materials Chemistry C*, **2014**, 2, 8244-8251	7.1	12
297	Synthesis and luminescent properties of La(1-x)Nd(x)P□□nanocrystals. *Physical Chemistry Chemical Physics*, **2014**, 16, 18004-9	3.6	10
296	Optical nonlinearities and two-photon excited time-resolved luminescence in colloidal quantum-confined CuInS2/ZnS heterostructures. *RSC Advances*, **2014**, 4, 34065	3.7	22
295	High saturation ferromagnetic behavior of Fe:BN nanoceramic. *Physica Status Solidi (A) Applications and Materials Science*, **2014**, 211, 696-699	1.6	1
294	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

293	Structural and spectroscopic properties of Yb□+-doped MgAl□□ nanocrystalline spinel. *Dalton Transactions*, **2014**, 43, 7752-9	4.3	21
292	Influence of Li+ doping on up-conversion and structural properties of Yb3+/Tm3+-doped cubic NaYF4 nanocrystals. *Journal of Luminescence*, **2014**, 145, 956-962	3.8	15
291	Controlling luminescence colour through concentration of Dy3+ ions in LiLa1□DyxP4O12 nanocrystals. *Journal of Materials Chemistry C*, **2014**, 2, 5704-5708	7.1	55
290	Morphology- and size-dependent spectroscopic properties of Eu-doped GdO colloidal nanocrystals. *Journal of Nanoparticle Research*, **2014**, 16, 2690	2.3	23
289	Observation of negative refraction in the graphene/ferrite composite. *Physica Status Solidi - Rapid Research Letters*, **2014**, 8, 1011-1014	2.5	3
288	Temperature of broadband anti-Stokes white emission in LiYbP4O12: Er nanocrystals. *Applied Physics Letters*, **2014**, 105, 173113	3.4	34
287	Spectroscopic and structural properties of MgAl2O4:Nd3+ nanopowders and ceramics. *Journal of Rare Earths*, **2014**, 32, 265-268	3.7	5
286	La3+-doped SrBi2Ta2O9 thin films for FRAM synthesized by sol-gel method. *Journal of Rare Earths*, **2014**, 32, 277-281	3.7	10
285	Non-thermal plasma-driven synthesis of Eu:YO nanosized phosphors. *Journal of Nanoparticle Research*, **2014**, 16, 2176	2.3	6
284	Ligand-dependent luminescence of ultra-small Eu-doped NaYF nanoparticles. *Journal of Nanoparticle Research*, **2013**, 15, 1707	2.3	20
283	The study of time-resolved collective emission of CuInS2 quantum dots in colloidal solutions. *Journal of Optics (United Kingdom)*, **2013**, 15, 085303	1.7	4
282	Energy up-conversion in Tb3+/Yb3+ co-doped colloidal □NaYF4 nanocrystals. *Journal of Luminescence*, **2013**, 140, 103-109	3.8	26
281	A comparison of morphology, structure and optical properties of ultrasmall, small and core□shell up-converting NaYF4/NaGdF4 nanocrystals co-doped with Tm3+ and Yb3+ ions. *Journal of Luminescence*, **2013**, 133, 138-144	3.8	9
280	Thulium concentration quenching in the up-converting □Tm3+/Yb3+ NaYF4 colloidal nanocrystals. *Optical Materials*, **2013**, 35, 1124-1128	3.3	30
279	Studies of upconversion emission of Yb3+, Er3+:Lu2O3 nanoceramics. *Optical Materials*, **2013**, 35, 731-734	3.3	8
278	Luminescence and excitation spectra of Cr3+:MgAl2O4 nanoceramics. *Materials Chemistry and Physics*, **2013**, 140, 222-227	4.4	23
277	Subresonantly excited Nd3+ fluorescence in LiLa1□NdxP4O12 nanocrystals. *Chemical Physics Letters*, **2013**, 583, 151-154	2.5	9
276	Upconversion emission of LiNdP4O12 and KNdP4O12 crystals. *Journal of Luminescence*, **2013**, 133, 57-60	3.8	18

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