Maksim Molokeev

List of Publications by Year in Descending Order

401 papers	10,949 citations	58 h-index	90 g-index
418 ext. papers	13,609 ext. citations	4.4 avg, IF	6.9 L-index

#	Paper	IF	Citations
401	Coordination units of Mn2+ modulation toward tunable emission in zero-dimensional bromides for white light-emitting diodes. *Journal of Materials Chemistry C*, **2022**, 10, 2095-2102	7.1	3
400	Structural Rigidity Control toward Cr3+-Based Broadband Near-Infrared Luminescence with Enhanced Thermal Stability. *Chemistry of Materials*, **2022**, 34, 1376-1384	9.6	14
399	New double nonlinear-optical borate Rb3SmB6O12: synthesis, structure and spectroscopic properties. *Journal of Alloys and Compounds*, **2022**, 164022	5.7	0
398	Growth of a novel K0.4Rb0.6Pb2Cl5 crystal and theoretical and experimental studies of its electronic and optical properties. *Optical Materials*, **2022**, 124, 112050	3.3	0
397	Structural and magnetic alteration of Cu2GaBO5 forced by Mn3+ doping. *Journal of Alloys and Compounds*, **2022**, 902, 163822	5.7	0
396	Structural, thermal and electrical studies of thallium-scandium-hafnium(zirconium) molybdates. *Journal of Solid State Chemistry*, **2022**, 307, 122832	3.3	1
395	Synthesis, crystal structures, and properties of new acentric glaserite-related compounds Rb7Ag5□Sc2+(XO4)9 (X = Mo, W). *Journal of Solid State Chemistry*, **2022**, 305, 122638	3.3	1
394	Giant Red-Shifted Emission in (Sr,Ba)Y2O4:Eu2+ Phosphor Toward Broadband Near-Infrared Luminescence. *Advanced Functional Materials*, **2022**, 32, 2103927	15.6	22
393	Photoluminescence of pefloxacindi-ium manganese(II) and zinc(II) tetrahalides. *Journal of Molecular Structure*, **2022**, 1248, 131468	3.4	0
392	A highly efficient and suitable spectral profile Cr3+-doped garnet near-infrared emitting phosphor for regulating photomorphogenesis of plants. *Chemical Engineering Journal*, **2022**, 428, 132003	14.7	18
391	Competitive Site Occupation toward Improved Quantum Efficiency of SrLaScO 4 :Eu Red Phosphors for Warm White LEDs. *Advanced Optical Materials*, **2022**, 10, 2102373	8.1	1
390	Green-emitting Bi3+-doped La2SrSc2O7 phosphor for pc-WLED lighting: Luminescent properties and energy transfer strategy. *Journal of Alloys and Compounds*, **2022**, 908, 164621	5.7	1
389	Laser-Induced Chemical Liquid-Phase Deposition Plasmonic Gold Nanoparticles on Porous TiO2 Film with Great Photoelectrochemical Performance. *Applied Sciences (Switzerland)*, **2022**, 12, 30	2.6	0
388	Highly efficient Fe-doped ABB'O (A = Sr, Ca; B, B' = In, Sb, Sn) broadband near-infrared-emitting phosphors for spectroscopic analysis.. *Light: Science and Applications*, **2022**, 11, 112	16.7	12
387	Multiple Strategies to Approach High-Efficiency Luminescence Controllable in Blue/Cyan/Green-Emitting Bi3+-Activated Phosphors. *Journal of Physical Chemistry C*, **2022**, 126, 9195-9206	3.8	0
386	Structural and Spectroscopic Effects of Li Substitution for Na in LiNaCaGdHoYb(MoO) Scheelite-Type Upconversion Phosphors. *Molecules*, **2021**, 26,	4.8	6
385	Broadband light emitting zero-dimensional antimony and bismuth-based hybrid halides with diverse structures. *Journal of Materials Chemistry C*, **2021**, 9, 15942-15948	7.1	1

384	Narrow Bandwidth Luminescence in Sr2Li(Al,Ga)O4:Eu2+ by Selective Site Occupancy Engineering for High Definition Displays. *Laser and Photonics Reviews*, **2021**, 15, 2100392	8.3	3
383	Enhanced luminescence properties of Li2MgTiO4: Mn4+, Ge4+ phosphor via single cation substitution for indoor plant cultivation. *Ceramics International*, **2021**, 48, 3070-3070	5.1	2
382	Influence of Jahn-Teller Cu2+ doping on the structural and magnetic properties of quasi-two-dimensional oxyborate (Ni,Cu)2MnBO5. *Journal of Magnetism and Magnetic Materials*, **2021**, 545, 168747	2.8	1
381	Role of the Eu Distribution on the Properties of □-Ca(PO) Phosphors: Structural, Luminescent, and Eu M□ssbauer Spectroscopy Study of CaMgEu(PO). *Inorganic Chemistry*, **2021**, 60, 3961-3971	5.1	9
380	Spin state crossover in Co3BO5. *Physical Review B*, **2021**, 103,	3.3	4
379	Glass crystallization making red phosphor for high-power warm white lighting. *Light: Science and Applications*, **2021**, 10, 56	16.7	40
378	Luminescent Zero-Dimensional Hybrid Lead Thiohalide Nanostructures for High Quantum Yield and Broadband Excitation. *ACS Applied Nano Materials*, **2021**, 4, 3654-3663	5.6	0
377	Li/Na substitution and Yb co-doping enabling tunable near-infrared emission in LiInSbO:Cr phosphors for light-emitting diodes. *IScience*, **2021**, 24, 102250	6.1	23
376	Synthesis, structure, and properties of EuScCuS3 and SrScCuS3. *Journal of Solid State Chemistry*, **2021**, 296, 121926	3.3	5
375	Polymorphs of RbScF: X-ray and Neutron Diffraction, Solid-State NMR, and Density Functional Theory Calculations Study. *Inorganic Chemistry*, **2021**, 60, 6016-6026	5.1	
374	Rapid Synthesis of Red-Emitting Sr2Sc0.5Ga1.5O5:Eu2+ Phosphors and the Tunable Photoluminescence Via Sr/Ba Substitution. *Advanced Optical Materials*, **2021**, 9, 2100131	8.1	13
373	Structural, Optical, and Electronic Properties of Cu-Doped TiNO Grown by Ammonothermal Atomic Layer Deposition. *ACS Applied Materials & Interfaces*, **2021**, 13, 32531-32541	9.5	1
372	Ultra-Broad-Band-Excitable Cu(I)-Based Organometallic Halide with Near-Unity Emission for Light-Emitting Diode Applications. *Chemistry of Materials*, **2021**, 33, 4382-4389	9.6	27
371	Structure and Thermodynamic Properties of the DyGaTi2O7 and EuGaTi2O7 Titanates. *Inorganic Materials*, **2021**, 57, 733-740	0.9	
370	Solvatochromic Photoluminescent Effects in All-Inorganic Manganese(II)-Based Perovskites by Highly Selective Solvent-Induced Crystal-to-Crystal Phase Transformations. *Angewandte Chemie*, **2021**, 133, 3743-3751	3.6	7
369	Crystal and electronic structure, thermochemical and photophysical properties of europium-silver sulfate monohydrate AgEu(SO4)2□H2O. *Journal of Solid State Chemistry*, **2021**, 294, 121898	3.3	2
368	Single crystal growth and the electronic structure of Rb2Na(NO3)3: Experiment and theory. *Journal of Solid State Chemistry*, **2021**, 294, 121910	3.3	4
367	A New Nonlinear Optical Selenide Crystal AgLiGa2Se4 with Good Comprehensive Performance in Mid-Infrared Region. *Advanced Optical Materials*, **2021**, 9, 2001856	8.1	10

366	Negative thermal expansion in one-dimension of a new double sulfate AgHo(SO4)2 with isolated SO4 tetrahedra. *Journal of Materials Science and Technology*, **2021**, 76, 111-121	9.1	20
365	Study of flux crystal growth peculiarities, structure and Raman spectra of double (Mn,Ni)3BO5 and triple (Mn,Ni,Cu)3BO5 oxyborates with ludwigite structure. *CrystEngComm*, **2021**, 23, 5624-5635	3.3	1
364	Synthesis, Crystal Structure, Luminescence, and Thermophysical Properties of TbGaGe2O7. *Physics of the Solid State*, **2021**, 63, 75-78	0.8	1
363	CaY2Al4SiO12:Ce3+,Mn2+: a single component phosphor to produce high color rendering index WLEDs with a blue chip. *Journal of Materials Chemistry C*, **2021**, 9, 11292-11298	7.1	5
362	Manipulation of Cl/Br transmutation in zero-dimensional Mn2+-based metal halides toward tunable photoluminescence and thermal quenching behaviors. *Journal of Materials Chemistry C*, **2021**, 9, 2047-2053	7.1	13
361	Lattice Doping of Lanthanide Ions in Cs2AgInCl6 Nanocrystals Enabling Tunable Photoluminescence. *Energy Material Advances*, **2021**, 2021, 1-9	1	4
360	Role of Metal-Chloride Anions in Photoluminescence Regulations for Hybrid Metal Halides. *Journal of Physical Chemistry Letters*, **2021**, 12, 1918-1925	6.4	9
359	Eu2+ Stabilized at Octahedrally Coordinated Ln3+ Site Enabling Red Emission in Sr3LnAl2O7.5 (Ln = Y or Lu) Phosphors. *Advanced Optical Materials*, **2021**, 9, 2100077	8.1	12
358	Synthesis, structure, melting and optical properties of three complex orthorhombic sulfides BaDyCuS3, BaHoCuS3 and BaYbCuS3. *Materials Research Bulletin*, **2021**, 140, 111314	5.1	3
357	Unraveling the Ultrafast Self-assembly and Photoluminescence in Zero-Dimensional Mn2+-Based Halides with Narrow-Band Green Emissions. *ACS Applied Electronic Materials*, **2021**, 3, 4144-4150	4	2
356	Revisiting the BaBiO semiconductor photocatalyst: synthesis, characterization, electronic structure, and photocatalytic activity. *Photochemical and Photobiological Sciences*, **2021**, 20, 1147-1160	4.2	3
355	Synthesis, Crystal Structure, and the Optical and Thermodynamic Properties of PrAlGe2O7. *Russian Journal of Physical Chemistry A*, **2021**, 95, 1546-1550	0.7	1
354	Crystal Structure, Vibrational, Spectroscopic and Thermochemical Properties of Double Sulfate Crystalline Hydrate [CsEu(H2O)3(SO4)2]□H2O and Its Thermal Dehydration Product CsEu(SO4)2. *Crystals*, **2021**, 11, 1027	2.3	5
353	Potassium and thallium conductors with a trigonal structure in the M2MoO4□r2(MoO4)3□f(MoO4)2 (M = K, Tl) systems: Synthesis, structure, and ionic conductivity. *Journal of Alloys and Compounds*, **2021**, 873, 159828	5.7	3
352	Regularities of the property changes in the compounds EuLnCuS3 (Ln = La-Lu). *Journal of Alloys and Compounds*, **2021**, 874, 159968	5.7	3
351	Exploration of the structural, spectroscopic and thermal properties of double sulfate monohydrate NaSm(SO4)2□H2O and its thermal decomposition product NaSm(SO4)2. *Advanced Powder Technology*, **2021**, 32, 3943-3943	4.6	1
350	In situ X-ray diffraction study of chrysotile at high P□ conditions: transformation to the 3.65 □ phase. *Physics and Chemistry of Minerals*, **2021**, 48, 1	1.6	
349	Photoluminescence tuning in Ba3ScB3O9:Eu2+ phosphor by crystal-site engineering. *Physics Open*, **2021**, 8, 100077	1.6	2

348	Synthesis and Structural, Magnetic, and Thermal Properties of the Titanium-Doped Pb3Mn7O15 Compound. *Physics of the Solid State*, **2021**, 63, 654-659	0.8	
347	Synthesis and Structural and Magnetic Properties of the NaNiFe2(VO4)3 Compound. *Physics of the Solid State*, **2021**, 63, 802-810	0.8	
346	Understanding the Energy Barriers of the Reversible Ion Exchange Process in CsPbBrCl@YO:Eu Macroporous Composites and Their Application in Anti-Counterfeiting Codes. *ACS Applied Materials & Interfaces*, **2021**,	9.5	3
345	Unveiling White Light Emission of a One-Dimensional Cu(I)-Based Organometallic Halide toward Single-Phase Light-Emitting Diode Applications.. *Journal of Physical Chemistry Letters*, **2021**, 12, 12345-12351	6.4	0
344	CRYSTAL STRUCTURE OF NORFLOXACINIUM AND 2,2?-BIPYRIDYL-1?-IUM 2-THIOBARBITURATES. *Journal of Structural Chemistry*, **2020**, 61, 1639-1647	0.9	
343	Anomalous mechanical materials squeezing three-dimensional volume compressibility into one dimension. *Nature Communications*, **2020**, 11, 5593	17.4	6
342	HoFeTi2O7: Synthesis, Peculiarities of the Crystal Structure, and Magnetic Properties. *Physics of the Solid State*, **2020**, 62, 464-471	0.8	
341	Two-site Cr3+ occupation in the MgTa2O6:Cr3+ phosphor toward broad-band near-infrared emission for vessel visualization. *Journal of Materials Chemistry C*, **2020**, 8, 9322-9328	7.1	62
340	Sb3+ Dopant and Halogen Substitution Triggered Highly Efficient and Tunable Emission in Lead-Free Metal Halide Single Crystals. *Chemistry of Materials*, **2020**, 32, 5327-5334	9.6	96
339	The structure of the metastable K18Ta5Zr5F63 phase. *New Journal of Chemistry*, **2020**, 44, 9264-9270	3.6	2
338	Two new Cu(II) and Ni(II) 1,10-phenanthroline complexes with anions of barbituric acids in the outer sphere: Synthesis, structure, spectroscopic, magnetic and thermal properties. *Journal of Molecular Structure*, **2020**, 1219, 128526	3.4	1
337	Data-Driven Photoluminescence Tuning in Eu-Doped Phosphors. *Journal of Physical Chemistry Letters*, **2020**, 11, 5680-5685	6.4	26
336	Structure analysis, tuning photoluminescence and enhancing thermal stability on Mn4+-doped La2-xYxMgTiO6 red phosphor for agricultural lighting. *Ceramics International*, **2020**, 46, 20173-20182	5.1	37
335	Synthesis of Samarium OxysulfateSmOSO in the High-Temperature Oxidation Reaction and Its Structural, Thermal and Luminescent Properties. *Molecules*, **2020**, 25,	4.8	15
334	Structure and Thermodynamic Properties of the SmGaGe2O7 Oxide. *Physics of the Solid State*, **2020**, 62, 384-387	0.8	1
333	Bismuth activated full spectral double perovskite luminescence materials by excitation and valence control for future intelligent LED lighting. *Chemical Communications*, **2020**, 56, 9170-9173	5.8	9
332	Unraveling the Near-Unity Narrow-Band Green Emission in Zero-Dimensional Mn-Based Metal Halides: A Case Study of (CHN)ZnMnBr Solid Solutions. *Journal of Physical Chemistry Letters*, **2020**, 11, 5956-5962	6.4	59
331	Thermodynamic Properties of Vanadium Oxypentafluoride (IV) (NH4)3VOF5. *Physics of the Solid State*, **2020**, 62, 1271-1279	0.8	0

330	Synthesis, Crystal Structure and Green Luminescence in Zero-Dimensional Tin Halide (CHN)SnBr. *Inorganic Chemistry*, **2020**, 59, 9962-9968	5.1	37
329	Materials synthesis, characterization and DFT calculations of the visible-light-active perovskite-like barium bismuthate Ba1.264(4)Bi1.971(4)O4 photocatalyst. *Journal of Materials Chemistry C*, **2020**, 8, 3509-3519	7.1	9
328	Magnetic transitions in exotic perovskites stabilized by chemical and physical pressure. *Journal of Materials Chemistry C*, **2020**, 8, 5082-5091	7.1	3
327	Synthesis of NdSc3(BO3)4 single crystals and study of its structure properties. *Journal of Alloys and Compounds*, **2020**, 828, 154355	5.7	4
326	Optical Functional Units in Zero-Dimensional Metal Halides as a Paradigm of Tunable Photoluminescence and Multicomponent Chromophores. *Advanced Optical Materials*, **2020**, 8, 1902114	8.1	24
325	Structural, Electronic and Vibrational Properties of YAl(BO). *Materials*, **2020**, 13,	3.5	12
324	LED Phosphors: Designing High-Performance LED Phosphors by Controlling the Phase Stability via a Heterovalent Substitution Strategy (Advanced Optical Materials 2/2020). *Advanced Optical Materials*, **2020**, 8, 2070008	8.1	3
323	Ultrabroadband red luminescence of Mn in MgAlO peaking at 651 nm. *Dalton Transactions*, **2020**, 49, 5711-5721	4.3	14
322	Physical Properties of a Frustrated Quasi-One-Dimensional NaCuFe2(VO4)3 Magnet and Effect of Chemical Pressure Induced by the Substitution of Sodium for Lithium. *Physics of the Solid State*, **2020**, 62, 297-307	0.8	1
321	Synthesis, Structure, and Thermophysical Properties of Pb10 □xBix(GeO4)2 + xVO4)4 □x (x = 0□) in the Temperature Range of 350□50 K. *Physics of the Solid State*, **2020**, 62, 2045-2051	0.8	
320	Near-infrared photoluminescence and phosphorescence properties of Cr3+-Doped garnet-type Y3Sc2Ga3O12. *Journal of Luminescence*, **2020**, 225, 117392	3.8	4
319	Microwave sol-gel synthesis, microstructural and spectroscopic properties of scheelite-type ternary molybdate upconversion phosphor NaPbLa(MoO4)3:Er3+/Yb3+. *Journal of Alloys and Compounds*, **2020**, 826, 152095	5.7	19
318	Facile synthesis of the desired red phosphor Li2Ca2Mg2Si2N6:Eu2+ for high CRI white LEDs and plant growth LED device. *Journal of the American Ceramic Society*, **2020**, 103, 1773-1781	3.8	15
317	Enhanced green emission and thermal stability of Ba3Si6O12N2:Eu2+ by Ce3+/P5+-doping: Unity energy transfer, charge compensation and lattice strain release. *Journal of Luminescence*, **2020**, 220, 116995	3.8	5
316	Gallium Composition-Dependent Structural Phase Transitions in HoFe3□Gax(BO3)4 Solid Solutions: Crystal Growth, Structure, and Raman Spectroscopy Study. *Crystal Growth and Design*, **2020**, 20, 1058-1069	3.5	5
315	Phenomenological Rule from Correlations of Conduction/Valence Band Energies and Bandgap Energies in Semiconductor Photocatalysts: Calcium Bismuthates versus Strontium Bismuthates. *ChemCatChem*, **2020**, 12, 1551-1555	5.2	10
314	Designing High-Performance LED Phosphors by Controlling the Phase Stability via a Heterovalent Substitution Strategy. *Advanced Optical Materials*, **2020**, 8, 1901608	8.1	26
313	Synthesis, structural and spectroscopic properties of orthorhombic compounds BaLnCuS3 (Ln□ Pr, Sm). *Journal of Alloys and Compounds*, **2020**, 832, 153134	5.7	13

312	Multiple Substitution Strategies toward Tunable Luminescence in LuMgAlSiO:Eu Phosphors. *Inorganic Chemistry*, **2020**, 59, 1405-1413	5.1	33
311	Improving thermal stability of novel single-component white-light emitting phosphor Ca8MgLu(PO4)7:Tm3+, Dy3+ by back-energy-transfer. *Journal of Luminescence*, **2020**, 227, 117516	3.8	9
310	Microwave-Employed Sol–Gel Synthesis of Scheelite-Type Microcrystalline AgGd(MoO4)2:Yb3+/Ho3+ Upconversion Yellow Phosphors and Their Spectroscopic Properties. *Crystals*, **2020**, 10, 1000	2.3	18
309	Tolerance Factor for Huntite-Family Compounds. *Physics of the Solid State*, **2020**, 62, 2058-2062	0.8	
308	Intrinsic Isotropic Near-Zero Thermal Expansion in ZnBOX (X = O, S, Se). *ACS Applied Materials & Interfaces*, **2020**, 12, 38435-38440	9.5	5
307	Monoclinic SmAl(BO): synthesis, structural and spectroscopic properties. *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials*, **2020**, 76, 654-660	1.8	3
306	Structural analysis and optical temperature sensing performance of Eu3+-doped Ba3In(PO4)3. *CrystEngComm*, **2020**, 22, 5809-5817	3.3	6
305	Enhanced Cyan Emission and Optical Tuning of Ca3Ga4O9:Bi3+ for High-Quality Full-Spectrum White Light-Emitting Diodes. *Advanced Optical Materials*, **2020**, 8, 2001037	8.1	31
304	Synthesis, Structure, and Thermophysical Properties of EuGaGe2O7. *Inorganic Materials*, **2020**, 56, 854-858	0.9	
303	Thermometry and up-conversion luminescence of Ln3+ (Ln = Er, Ho, Tm)-doped double molybdate LiYbMo2O8. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 18370-18380	2.1	2
302	Hydrates of Lanthanide(III) 2-Thiobarbiturates: Synthesis, Structure, and Thermal Decomposition. *Russian Journal of Inorganic Chemistry*, **2020**, 65, 999-1005	1.5	
301	Solid-state synthesis, characterization, UV-induced coloration and photocatalytic activity of the Sr6Bi2O11, Sr3Bi2O6 and Sr2Bi2O5 bismuthates. *Catalysis Today*, **2020**, 340, 70-85	5.3	17
300	Incorporating Rare-Earth Terbium(III) Ions into Cs2AgInCl6:Bi Nanocrystals toward Tunable Photoluminescence. *Angewandte Chemie*, **2020**, 132, 11731-11737	3.6	5
299	Incorporating Rare-Earth Terbium(III) Ions into Cs AgInCl :Bi Nanocrystals toward Tunable Photoluminescence. *Angewandte Chemie - International Edition*, **2020**, 59, 11634-11640	16.4	92
298	Tuning of the Coordination and Emission Properties of 4-Amino-2,1,3-Benzothiadiazole by Introduction of Diphenylphosphine Group. *Crystal Growth and Design*, **2020**, 20, 5796-5807	3.5	9
297	Halogen Substitution in Zero-Dimensional Mixed Metal Halides toward Photoluminescence Modulation and Enhanced Quantum Yield. *Advanced Optical Materials*, **2020**, 8, 2000418	8.1	13
296	Effect of Deuteration on Phase Transitions in Vanadium Dioxotetrafluoride. *Physics of the Solid State*, **2019**, 61, 192-200	0.8	1
295	Lead-Free Hybrid Metal Halides with a Green-Emissive [MnBr] Unit as a Selective Turn-On Fluorescent Sensor for Acetone. *Inorganic Chemistry*, **2019**, 58, 13464-13470	5.1	56

294	Polyhedron Transformation toward Stable Narrow-Band Green Phosphors for Wide-Color-Gamut Liquid Crystal Display. *Advanced Functional Materials*, **2019**, 29, 1901988	15.6	101
293	Study of the Physical Properties and Electrocaloric Effect in the BaTiO3 Nano- and Microceramics. *Physics of the Solid State*, **2019**, 61, 1052-1061	0.8	5
292	Optically Modulated Ultra-Broad-Band Warm White Emission in Mn2+-Doped (C6H18N2O2)PbBr4 Hybrid Metal Halide Phosphor. *Chemistry of Materials*, **2019**, 31, 5788-5795	9.6	87
291	Site-Selective Occupancy of Eu2+ Toward Blue-Light-Excited Red Emission in a Rb3YSi2O7:Eu Phosphor. *Angewandte Chemie*, **2019**, 131, 11645	3.6	8
290	Site-Selective Occupancy of Eu Toward Blue-Light-Excited Red Emission in a Rb YSi O :Eu Phosphor. *Angewandte Chemie - International Edition*, **2019**, 58, 11521-11526	16.4	80
289	High-temperature oxidation of europium (II) sulfide. *Journal of Industrial and Engineering Chemistry*, **2019**, 79, 62-70	6.3	11
288	A novel red-emitting La2CaHfO6:Mn4+ phosphor based on double perovskite structure for pc-WLEDs lighting. *CrystEngComm*, **2019**, 21, 3605-3612	3.3	13
287	Linear Zero Thermal Expansion in a Deep-Ultraviolet Transparent Crystal of BPO4 with Cristobalite-like Structure. *Crystal Growth and Design*, **2019**, 19, 3109-3112	3.5	3
286	Comparing the magnetic and magnetoelectric properties of the SmFe3(BO3)4 ferroborate single crystals grown using different solvents. *Journal of Crystal Growth*, **2019**, 518, 1-4	1.6	2
285	Structure of bis(2-Thiobarbiturate)Tris (2,2-Bipyridyl)Nickel(II) Hexahydrate. *Journal of Structural Chemistry*, **2019**, 60, 111-116	0.9	1
284	Optical and calorimetric studies of K2TaF7. *Journal of Fluorine Chemistry*, **2019**, 222-223, 75-80	2.1	2
283	Lead-Free Perovskite Derivative Cs2SnCl6□Brx Single Crystals for Narrowband Photodetectors. *Advanced Optical Materials*, **2019**, 7, 1900139	8.1	78
282	Broad-Band Emission in a Zero-Dimensional Hybrid Organic [PbBr] Trimer with Intrinsic Vacancies. *Journal of Physical Chemistry Letters*, **2019**, 10, 1337-1341	6.4	61
281	Structural Evolution and Effect of the Neighboring Cation on the Photoluminescence of Sr(LiAl) (SiMg) N :Eu Phosphors. *Angewandte Chemie - International Edition*, **2019**, 58, 7767-7772	16.4	45
280	Emerging ultra-narrow-band cyan-emitting phosphor for white LEDs with enhanced color rendition. *Light: Science and Applications*, **2019**, 8, 38	16.7	255
279	Structural Evolution and Effect of the Neighboring Cation on the Photoluminescence of Sr(LiAl3)1□(SiMg3)xN4:Eu2+ Phosphors. *Angewandte Chemie*, **2019**, 131, 7849-7854	3.6	3
278	Growth, Structure, and Optical Properties of Nonlinear LiGa0.55In0.45Te2 Single Crystals. *Crystal Growth and Design*, **2019**, 19, 1805-1814	3.5	1
277	Manipulation of Bi3+/In3+ Transmutation and Mn2+-Doping Effect on the Structure and Optical Properties of Double Perovskite Cs2NaBi1-xInxCl6. *Advanced Optical Materials*, **2019**, 7, 1801435	8.1	92

276	Structure of Barbituratobis(2,2'-Dipyridyl)copper(II) Heptahydrate. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2019**, 45, 569-572	1.6	
275	Engineering of K3YSi2O7 To Tune Photoluminescence with Selected Activators and Site Occupancy. *Chemistry of Materials*, **2019**, 31, 7770-7778	9.6	50
274	Mn2+-Based narrow-band green-emitting Cs3MnBr5 phosphor and the performance optimization by Zn2+ alloying. *Journal of Materials Chemistry C*, **2019**, 7, 11220-11226	7.1	37
273	Synthesis, structure, and properties of EuErCuS3. *Journal of Alloys and Compounds*, **2019**, 805, 779-788	5.7	7
272	Phase transitions in bismuth pyrostannate upon substitution of tin by iron ions. *Journal of Alloys and Compounds*, **2019**, 804, 281-287	5.7	6
271	Role of Halogen Atoms on High-Efficiency Mn Emission in Two-Dimensional Hybrid Perovskites. *Journal of Physical Chemistry Letters*, **2019**, 10, 4706-4712	6.4	24
270	Hybrid Metal Halides with Multiple Photoluminescence Centers. *Angewandte Chemie - International Edition*, **2019**, 58, 18670-18675	16.4	93
269	Structure and Thermal Decomposition of Nd(III), Gd(III) and Tb(III) 2-Thiobarbiturates. *Russian Journal of Inorganic Chemistry*, **2019**, 64, 1146-1151	1.5	2
268	Single-Component White-Light Emission in 2D Hybrid Perovskites with Hybridized Halogen Atoms. *Advanced Optical Materials*, **2019**, 7, 1901335	8.1	45
267	X-Ray, Dielectric, and Thermophysical Studies of Rubidium Tetrachlorozincate inside Porous Glasses. *Bulletin of the Russian Academy of Sciences: Physics*, **2019**, 83, 1072-1076	0.4	1
266	Three isomers in a (hydrogen l-Cysteinato)-thallium(I): Crystal structure, spectroscopic and thermal properties. *Polyhedron*, **2019**, 173, 114141	2.7	0
265	Fabrication of Microcrystalline NaPbLa(WO4)3:Yb3+/Ho3+ Phosphors and Their Upconversion Photoluminescent Characteristics. *Korean Journal of Materials Research*, **2019**, 29, 741-746	0.2	11
264	Aliovalent substitution toward reinforced structural rigidity in Ce3+-doped garnet phosphors featuring improved performance. *Journal of Materials Chemistry C*, **2019**, 7, 14594-14600	7.1	22
263	Crystallographic, thermal and spectroscopic characterization of the anhydrous thiourea–barbituric acid and thiourea–2-thiobarbituric acid co-crystals. *Journal of Molecular Structure*, **2019**, 1176, 865-870	3.4	2
262	Enhancement of red emission and site analysis in Eu2+ doped new-type structure Ba3CaK(PO4)3 for plant growth white LEDs. *Chemical Engineering Journal*, **2019**, 356, 236-244	14.7	106
261	Discovery of New Narrow-Band Phosphors with the UCr4C4-Related Type Structure by Alkali Cation Effect. *Advanced Optical Materials*, **2019**, 7, 1801631	8.1	78
260	Li substituent tuning of LED phosphors with enhanced efficiency, tunable photoluminescence, and improved thermal stability. *Science Advances*, **2019**, 5, eaav0363	14.3	101
259	Correlation between magneto-optical and transport properties of Sr doped manganite films. *Journal of Alloys and Compounds*, **2019**, 782, 334-342	5.7	4

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