Maksim Molokeev

List of Publications by Citations

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	Eu Site Preferences in the Mixed Cation KBaCa(PO) and Thermally Stable Luminescence. *Journal of the American Chemical Society*, **2018**, 140, 9730-9736	16.4	301
400	Structural and Luminescence Properties of Yellow-Emitting NaScSi2O6:Eu2+ Phosphors: Eu2+ Site Preference Analysis and Generation of Red Emission by Codoping Mn2+ for White-Light-Emitting Diode Applications. *Journal of Physical Chemistry C*, **2013**, 117, 20847-20854	3.8	301
399	Chemical Unit Cosubstitution and Tuning of Photoluminescence in the Ca2(Al(1-x)Mg(x))(Al(1-x)Si(1+x))O7:Eu(2+) Phosphor. *Journal of the American Chemical Society*, **2015**, 137, 12494-7	16.4	271
398	Emerging ultra-narrow-band cyan-emitting phosphor for white LEDs with enhanced color rendition. *Light: Science and Applications*, **2019**, 8, 38	16.7	255
397	New yellow-emitting Whitlockite-type structure Sr(1.75)Ca(1.25)(PO4)2:Eu(2+) phosphor for near-UV pumped white light-emitting devices. *Inorganic Chemistry*, **2014**, 53, 5129-35	5.1	213
396	Composition design, optical gap and stability investigations of lead-free halide double perovskite Cs2AgInCl6. *Journal of Materials Chemistry A*, **2017**, 5, 15031-15037	13	197
395	Structure evolution and photoluminescence of Lu3(Al,Mg)2(Al,Si)3O12:Ce3+ phosphors: new yellow-color converters for blue LED-driven solid state lighting. *Journal of Materials Chemistry C*, **2016**, 4, 6855-6863	7.1	191
394	Linear structural evolution induced tunable photoluminescence in clinopyroxene solid-solution phosphors. *Scientific Reports*, **2013**, 3, 3310	4.9	187
393	Photoluminescence Tuning via Cation Substitution in Oxonitridosilicate Phosphors: DFT Calculations, Different Site Occupations, and Luminescence Mechanisms. *Chemistry of Materials*, **2014**, 26, 2991-3001	9.6	183
392	Crystal chemistry and luminescence properties of red-emitting CsGd1-xEux(MoO4)2 solid-solution phosphors. *Dalton Transactions*, **2014**, 43, 9669-76	4.3	183
391	Synthesis and Spectroscopic Properties of Monoclinic Eu2(MoO4)3. *Journal of Physical Chemistry C*, **2014**, 118, 15404-15411	3.8	180
390	Pressure-Stimulated Synthesis and Luminescence Properties of Microcrystalline (Lu,Y)Al Ce+ Garnet Phosphors. *ACS Applied Materials & Interfaces*, **2015**, 7, 26235-43	9.5	163
389	Tuning of Photoluminescence and Local Structures of Substituted Cations in xSr2Ca(PO4)2 1 x)Ca10Li(PO4)7:Eu2+ Phosphors. *Chemistry of Materials*, **2017**, 29, 1430-1438	9.6	162
388	Discovery of New Solid Solution Phosphors via Cation Substitution-Dependent Phase Transition in M3(PO4)2:Eu2+ (M = Ca/Sr/Ba) Quasi-Binary Sets. *Journal of Physical Chemistry C*, **2015**, 119, 2038-2045	3.8	151
387	Tuning of Photoluminescence by Cation Nanosegregation in the (CaMg)(x)(NaSc)(1-x)Si2O6 Solid Solution. *Journal of the American Chemical Society*, **2016**, 138, 1158-61	16.4	142
386	Microwave sol gel synthesis and upconversion photoluminescence properties of CaGd2(WO4)4:Er3+/Yb3+ phosphors with incommensurately modulated structure. *Journal of Solid State Chemistry*, **2015**, 228, 160-166	3.3	131
385	Learning from a Mineral Structure toward an Ultra-Narrow-Band Blue-Emitting Silicate Phosphor RbNa (Li SiO) :Eu. *Angewandte Chemie - International Edition*, **2018**, 57, 11728-11731	16.4	111

384	Blue-shift of Eu□+ emission in (Ba,Sr)□u(PO)□Eu□+ eulytite solid-solution phosphors resulting from release of neighbouring-cation-induced stress. *Dalton Transactions*, **2014**, 43, 16800-4	4.3	111
383	Structural and spectroscopic properties of new noncentrosymmetric self-activated borate Rb3EuB6O12 with B5O10 units. *Materials and Design*, **2018**, 140, 488-494	8.1	111
382	Comparative investigations of the crystal structure and photoluminescence property of eulytite-type Ba3Eu(PO4)3 and Sr3Eu(PO4)3. *Dalton Transactions*, **2015**, 44, 7679-86	4.3	110
381	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
380	Polyhedron Transformation toward Stable Narrow-Band Green Phosphors for Wide-Color-Gamut Liquid Crystal Display. *Advanced Functional Materials*, **2019**, 29, 1901988	15.6	101
379	Li substituent tuning of LED phosphors with enhanced efficiency, tunable photoluminescence, and improved thermal stability. *Science Advances*, **2019**, 5, eaav0363	14.3	101
378	Redefinition of Crystal Structure and Bi Yellow Luminescence with Strong Near-Ultraviolet Excitation in LaBWO:Bi Phosphor for White Light-Emitting Diodes. *ACS Applied Materials & Interfaces*, **2018**, 10, 13660-13668	9.5	100
377	Structural Confinement toward Giant Enhancement of Red Emission in Mn2+-Based Phosphors. *Advanced Functional Materials*, **2018**, 28, 1804150	15.6	98
376	Probing Eu2+ Luminescence from Different Crystallographic Sites in Ca10M(PO4)7:Eu2+ (M = Li, Na, and K) with □-Ca3(PO4)2-Type Structure. *Chemistry of Materials*, **2017**, 29, 7563-7570	9.6	97
375	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
374	Green Light-Excitable Ce-Doped Nitridomagnesoaluminate Sr[Mg2Al2N4] Phosphor for White Light-Emitting Diodes. *Chemistry of Materials*, **2016**, 28, 6822-6825	9.6	95
373	Hybrid Metal Halides with Multiple Photoluminescence Centers. *Angewandte Chemie - International Edition*, **2019**, 58, 18670-18675	16.4	93
372	Cation substitution dependent bimodal photoluminescence in whitlockite structural Ca(3-x)Sr(x)(PO4)2:Eu(2+) (0 □x □2) solid solution phosphors. *Inorganic Chemistry*, **2014**, 53, 11119-24	5.1	93
371	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
370	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
369	The modulated structure and frequency upconversion properties of CaLa2(MoO4)4:Ho(3+)/Yb(3+) phosphors prepared by microwave synthesis. *Physical Chemistry Chemical Physics*, **2015**, 17, 19278-87	3.6	89
368	Near-Zero Thermal Expansion and High Ultraviolet Transparency in a Borate Crystal of Zn B O. *Advanced Materials*, **2016**, 28, 7936-7940	24	89
367	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

366	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
365	Structure, Crystallographic Sites, and Tunable Luminescence Properties of Eu(2+) and Ce(3+)/Li(+)-Activated Ca1.65Sr0.35SiO4 Phosphors. *Inorganic Chemistry*, **2015**, 54, 7684-91	5.1	80
364	Lead-Free Perovskite Derivative Cs2SnCl6−xBrx Single Crystals for Narrowband Photodetectors. *Advanced Optical Materials*, **2019**, 7, 1900139	8.1	78
363	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
362	Learning from a Mineral Structure toward an Ultra-Narrow-Band Blue-Emitting Silicate Phosphor RbNa3(Li3SiO4)4:Eu2+. *Angewandte Chemie*, **2018**, 130, 11902-11905	3.6	76
361	Crystal Structure and Photoluminescence Evolution of La5(Si2+xB1−x)(O13−xNx):Ce3+ Solid Solution Phosphors. *Journal of Physical Chemistry C*, **2015**, 119, 9488-9495	3.8	74
360	Microwave synthesis and spectroscopic properties of ternary scheelite-type molybdate phosphors NaSrLa(MoO4)3:Er3+,Yb3+. *Journal of Alloys and Compounds*, **2017**, 713, 156-163	5.7	72
359	Phase Transformation in Ca3(PO4)2:Eu2+ via the Controlled Quenching and Increased Eu2+ Content: Identification of New Cyan-Emitting β-Ca3(PO4)2:Eu2+ Phosphor. *Journal of the American Ceramic Society*, **2015**, 98, 3280-3284	3.8	72
358	Electronic structure of α-RbSm(MoO4)2 and chemical bonding in molybdates. *Dalton Transactions*, **2015**, 44, 1805-15	4.3	71
357	Synthesis and spectroscopic properties of multiferroic α-Tb2(MoO4)3. *Optical Materials*, **2014**, 36, 1631-1635	3.3	70
356	Temperature and Eu2+-Doping Induced Phase Selection in NaAlSiO4 Polymorphs and the Controlled Yellow/Blue Emission. *Chemistry of Materials*, **2017**, 29, 6552-6559	9.6	70
355	Synthesis, Crystal Structure, and Enhanced Luminescence of Garnet-Type Ca3Ga2Ge3O12:Cr3+ by Codoping Bi3+. *Journal of the American Ceramic Society*, **2015**, 98, 1870-1876	3.8	69
354	New garnet structure phosphors, Lu3−xYxMgAl3SiO12:Ce3+ (x = 0–3), developed by solid solution design. *Journal of Materials Chemistry C*, **2016**, 4, 2359-2366	7.1	69
353	Two-Dimensional-Layered Perovskite ALaTaO:Bi (A = K and Na) Phosphors with Versatile Structures and Tunable Photoluminescence. *ACS Applied Materials & Interfaces*, **2018**, 10, 24648-24655	9.5	69
352	The electronic and optical properties of a narrow-band red-emitting nanophosphor K2NaGaF6:Mn4+ for warm white light-emitting diodes. *Journal of Materials Chemistry C*, **2018**, 6, 3016-3025	7.1	65
351	Co-substitution in Ca1−xYxAl12−xMgxO19 phosphors: local structure evolution, photoluminescence tuning and application for plant growth LEDs. *Journal of Materials Chemistry C*, **2018**, 6, 4217-4224	7.1	64
350	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
349	Ca6La4(SiO4)2(PO4)4O2:Eu2+: a novel apatite green-emitting phosphor for near-ultraviolet excited w-LEDs. *Journal of Materials Chemistry C*, **2016**, 4, 4675-4683	7.1	62

348	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
347	Crystal structure evolution and luminescence properties of color tunable solid solution phosphors Ca(2+x)La(8-x)(SiO4)(6-x)(PO4)xO2:Eu(2+). *Dalton Transactions*, **2016**, 45, 1007-15	4.3	61
346	Structural evolution induced preferential occupancy of designated cation sites by Eu2+ in M5(Si3O9)2 (M = Sr, Ba, Y, Mn) phosphors. *RSC Advances*, **2016**, 6, 57261-57265	3.7	60
345	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
344	Triple molybdate scheelite-type upconversion phosphor NaCaLa(MoO):Er/Yb: structural and spectroscopic properties. *Dalton Transactions*, **2016**, 45, 15541-15551	4.3	59
343	Effect of Al/Si substitution on the structure and luminescence properties of CaSrSiO4:Ce3+ phosphors: analysis based on the polyhedra distortion. *Journal of Materials Chemistry C*, **2015**, 3, 4616-4622	7.1	58
342	Structure and luminescence properties of Eu2+ doped LuxSr2⊠SiNxO4⊠ phosphors evolved from chemical unit cosubstitution. *Journal of Materials Chemistry C*, **2016**, 4, 1336-1344	7.1	58
341	Exploring the transposition effects on the electronic and optical properties of Cs2AgSbCl6via a combined computational-experimental approach. *Journal of Materials Chemistry A*, **2018**, 6, 2346-2352	13	57
340	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
339	A novel single-phase white light emitting phosphor Ca9La(PO4)5(SiO4)F2:Dy3+: synthesis, crystal structure and luminescence properties. *RSC Advances*, **2016**, 6, 24577-24583	3.7	55
338	Exploration of structural, thermal, vibrational and spectroscopic properties of new noncentrosymmetric double borate Rb 3 NdB 6 O 12. *Advanced Powder Technology*, **2017**, 28, 1309-1315	4.6	53
337	Photoluminescence tuning in a novel Bi3+/Mn4+ co-doped La2ATiO6:(A = Mg, Zn) double perovskite structure: phase transition and energy transfer. *Journal of Materials Chemistry C*, **2018**, 6, 13136-13147	7.1	53
336	Exploration of the Electronic Structure of Monoclinic ⊞Eu2(MoO4)3: DFT-Based Study and X-ray Photoelectron Spectroscopy. *Journal of Physical Chemistry C*, **2016**, 120, 10559-10568	3.8	52
335	Calcium and strontium thiobarbiturates with discrete and polymeric structures. *Journal of Coordination Chemistry*, **2013**, 66, 4119-4130	1.6	51
334	Engineering of K3YSi2O7 To Tune Photoluminescence with Selected Activators and Site Occupancy. *Chemistry of Materials*, **2019**, 31, 7770-7778	9.6	50
333	Structural phase transitions and photoluminescence properties of Eu(3+) doped Ca(2-x)BaxLaNbO6 phosphors. *Dalton Transactions*, **2015**, 44, 18536-43	4.3	49
332	Effects of composition modulation on the luminescence properties of Eu(3+) doped Li1-xAgxLu(MoO4)2 solid-solution phosphors. *Dalton Transactions*, **2015**, 44, 18078-89	4.3	49
331	Pure red upconversion luminescence and optical thermometry of Er3+ doped sensitizer-rich SrYbInO4 phosphors. *Journal of Materials Chemistry C*, **2018**, 6, 7361-7366	7.1	49

330	New Y2BaAl4SiO12:Ce3+ yellow microcrystal-glass powder phosphor with high thermal emission stability. *Journal of Materials Chemistry C*, **2016**, 4, 9872-9878	7.1	48
329	Structural and spectroscopic properties of self-activated monoclinic molybdate BaSm2(MoO4)4. *Journal of Alloys and Compounds*, **2017**, 729, 843-849	5.7	47
328	Exploration of structural, vibrational and spectroscopic properties of self-activated orthorhombic double molybdate RbEu(MoO4)2 with isolated MoO4 units. *Journal of Alloys and Compounds*, **2019**, 785, 692-697	5.7	47
327	Incommensurately modulated structure and spectroscopic properties of CaGd2(MoO4)4:Ho3+/Yb3+ phosphors for up-conversion applications. *Journal of Alloys and Compounds*, **2017**, 695, 737-746	5.7	46
326	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
325	Single-Component White-Light Emission in 2D Hybrid Perovskites with Hybridized Halogen Atoms. *Advanced Optical Materials*, **2019**, 7, 1901335	8.1	45
324	Synthesis, structural and spectroscopic properties of acentric triple molybdate Cs2NaBi(MoO4)3. *Journal of Solid State Chemistry*, **2015**, 225, 53-58	3.3	44
323	Near-infrared luminescence and color tunable chromophores based on Cr(3+)-doped mullite-type Bi2(Ga,Al)4O9 solid solutions. *Inorganic Chemistry*, **2015**, 54, 1876-82	5.1	43
322	Structure, Thermal Stability, and Spectroscopic Properties of Triclinic Double Sulfate AgEu(SO) with Isolated SO Groups. *Inorganic Chemistry*, **2018**, 57, 13279-13288	5.1	43
321	Preparation of NaSrLa(WO4)3:Ho3+/Yb3+ ternary tungstates and their upconversion photoluminescence properties. *Materials Letters*, **2016**, 181, 38-41	3.3	41
320	Microwave Sol□Gel Synthesis of CaGd2(MoO4)4:Er3+/Yb3+ Phosphors and Their Upconversion Photoluminescence Properties. *Journal of the American Ceramic Society*, **2015**, 98, 3223-3230	3.8	41
319	Controllable two-dimensional luminescence tuning in Eu2+,Mn2+ doped (Ca,Sr)9Sc(PO4)7 based on crystal field regulation and energy transfer. *Journal of Materials Chemistry C*, **2018**, 6, 6714-6725	7.1	41
318	Glass crystallization making red phosphor for high-power warm white lighting. *Light: Science and Applications*, **2021**, 10, 56	16.7	40
317	Synthesis and thermal transformation of a neodymium(III) complex [Nd(HTBA)2(C2H3O2)(H2O)2]□2H2O to non-centrosymmetric oxosulfate Nd2O2SO4. *Journal of Coordination Chemistry*, **2015**, 68, 1865-1877	1.6	38
316	Crystal structure and properties of the precursor [Ni(H2O)6](HTBA)2□2□□and the complexes M(HTBA)2(H2O)2 (M=Ni, Co, Fe). *Polyhedron*, **2014**, 70, 71-76	2.7	38
315	Caloric characteristics of PbTiO3 in the temperature range of the ferroelectric phase transition. *Physics of the Solid State*, **2012**, 54, 1832-1840	0.8	38
314	Synthesis, Structural, Magnetic, and Electronic Properties of Cubic CsMnMoO3F3 Oxyfluoride. *Journal of Physical Chemistry C*, **2012**, 116, 10162-10170	3.8	38
313	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

312	Synthesis, Crystal Structure and Green Luminescence in Zero-Dimensional Tin Halide (CHN)SnBr. *Inorganic Chemistry*, **2020**, 59, 9962-9968	5.1	37
311	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
310	Crystal and local structure refinement in Ca2Al3O6F explored by X-ray diffraction and Raman spectroscopy. *Physical Chemistry Chemical Physics*, **2014**, 16, 5952-7	3.6	37
309	Engineering oxygen vacancies towards self-activated BaLuAl(x)Zn(4-x)O(7-(1-x)/2) photoluminescent materials: an experimental and theoretical analysis. *Physical Chemistry Chemical Physics*, **2015**, 17, 31188-94	3.6	36
308	Layered hydroxyl sulfate: Controlled crystallization, structure analysis, and green derivation of multi-color luminescent (La,RE) 2 O 2 SO 4 and (La,RE) 2 O 2 S phosphors (RE = Pr, Sm, Eu, Tb, and Dy). *Chemical Engineering Journal*, **2016**, 302, 577-586	14.7	35
307	Synthesis and Luminescence Properties of Blue-Emitting Phosphor Li3Sc2(PO4)3:Eu2+. *ECS Journal of Solid State Science and Technology*, **2014**, 3, R159-R163	2	33
306	Multiple Substitution Strategies toward Tunable Luminescence in LuMgAlSiO:Eu Phosphors. *Inorganic Chemistry*, **2020**, 59, 1405-1413	5.1	33
305	Synthesis, luminescent properties and theoretical calculations of novel orange-red-emitting Ca2Y8(SiO4)6O2:Sm3+ phosphors for white light-emitting diodes. *Dyes and Pigments*, **2018**, 150, 121-129	4.6	33
304	Structural, Spectroscopic, and Electronic Properties of Cubic G0-Rb2KTiOF5 Oxyfluoride. *Journal of Physical Chemistry C*, **2013**, 117, 7269-7278	3.8	32
303	Structural Phase Transformation and Luminescent Properties of Ca(2-x)SrxSiO4:Ce3+ Orthosilicate Phosphors. *Inorganic Chemistry*, **2015**, 54, 11369-76	5.1	31
302	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
301	New insight into the crystal structure of Sr4Ca(PO4)2SiO4 and the photoluminescence tuning of Sr4Ca(PO4)2SiO4:Ce3+,Na+,Eu2+ phosphors. *Journal of Materials Chemistry C*, **2016**, 4, 9078-9084	7.1	31
300	Color tunable emission and energy transfer of Ce 3+ and Tb 3+ co-doped novel La 6 Sr 4 (SiO 4) 6 F 2 phosphors with apatite structure. *Materials Research Bulletin*, **2015**, 72, 245-251	5.1	30
299	Electronic structure of □-RbNd(MoO4)2 by XPS and XES. *Journal of Physics and Chemistry of Solids*, **2015**, 77, 101-108	3.9	28
298	Insights into Ba4Si6O16 structure and photoluminescence tuning of Ba4Si6O16:Ce3+,Eu2+ phosphors. *Journal of Materials Chemistry C*, **2015**, 3, 12477-12483	7.1	28
297	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
296	Data-Driven Photoluminescence Tuning in Eu-Doped Phosphors. *Journal of Physical Chemistry Letters*, **2020**, 11, 5680-5685	6.4	26
295	Designing High-Performance LED Phosphors by Controlling the Phase Stability via a Heterovalent Substitution Strategy. *Advanced Optical Materials*, **2020**, 8, 1901608	8.1	26

294	Hydrothermal crystallization of a Ln2(OH)4SO4□hH2O layered compound for a wide range of Ln (Ln = La□Dy), thermolysis, and facile transformation into oxysulfate and oxysulfide phosphors. *RSC Advances*, **2017**, 7, 13331-13339	3.7	25
293	Crystal structure refinement and luminescence properties of blue-green-emitting CaSrAl2SiO7:Ce3+,Li+,Eu2+ phosphors. *Journal of Materials Chemistry C*, **2015**, 3, 8322-8328	7.1	25
292	Negative thermal expansion and electronic structure variation of chalcopyrite type LiGaTe.. *RSC Advances*, **2018**, 8, 9946-9955	3.7	25
291	Effect of Cationic Substitution on Ferroelectric and Ferroelastic Phase Transitions in Oxyfluorides A2A?WO3F3 (A, A?: K, NH4, Cs). *Ferroelectrics*, **2007**, 347, 60-64	0.6	25
290	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
289	Exploration of structural, thermal and spectroscopic properties of self-activated sulfate Eu2(SO4)3 with isolated SO4 groups. *Journal of Industrial and Engineering Chemistry*, **2018**, 68, 109-116	6.3	24
288	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
287	New Insight into Phase Formation of MxMg2Al(4+x)Si(5-x)O18:Eu2+ Solid Solution Phosphors and Its Luminescence Properties. *Scientific Reports*, **2015**, 5, 12149	4.9	24
286	CsCu5Se3: A Copper-Rich Ternary Chalcogenide Semiconductor with Nearly Direct Band Gap for Photovoltaic Application. *Chemistry of Materials*, **2018**, 30, 1121-1126	9.6	23
285	Facile solution-precipitation assisted synthesis and luminescence property of greenish-yellow emitting Ca 6 Ba(PO 4) 4 O:Eu 2+ phosphor. *Materials Research Bulletin*, **2016**, 75, 233-238	5.1	23
284	Study of the structural and magnetic characteristics of epitaxial Fe3Si/Si(111) films. *JETP Letters*, **2014**, 99, 527-530	1.2	23
283	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
282	Magnetization pole reversal of ferrimagnetic ludwigites Mn3□NixBO5. *Journal of Magnetism and Magnetic Materials*, **2014**, 364, 55-59	2.8	22
281	Spectroscopic properties of ErAl3(BO3)4 single crystal. *Chemical Physics*, **2014**, 428, 137-143	2.3	22
280	The formation and structural parameters of new double molybdates RbLn(MoO4)2(Ln = Pr, Nd, Sm, Eu) **2013**,		22
279	Controlled Hydrothermal Crystallization of Anhydrous Ln (OH) SO (Ln=Eu-Lu, Y) as a New Family of Layered Rare Earth Metal Hydroxides. *Chemistry - A European Journal*, **2017**, 23, 16034-16043	4.8	22
278	Intrinsic inhomogeneity in a (La0.4Eu0.6)0.7Pb0.3MnO3 single crystal: Magnetization, transport, and electron magnetic resonance studies. *Physical Review B*, **2006**, 73,	3.3	22
277	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

276	Giant Red-Shifted Emission in (Sr,Ba)Y2O4:Eu2+ Phosphor Toward Broadband Near-Infrared Luminescence. *Advanced Functional Materials*, **2022**, 32, 2103927	15.6	22
275	The 5-(isopropylidene)-2-thiobarbituric acid: Preparation, crystal structure, thermal stability and IR-characterization. *Journal of Molecular Structure*, **2014**, 1068, 216-221	3.4	21
274	Studies of Ferroelectric and Magnetic Phase Transitions in Multiferroic PbFe0.5Ta0.5O3. *Ferroelectrics*, **2015**, 475, 52-60	0.6	20
273	Two salts and the salt cocrystal of ciprofloxacin with thiobarbituric and barbituric acids: The structure and properties. *Journal of Physical Organic Chemistry*, **2018**, 31, e3773	2.1	20
272	Thermal, structural, optical, dielectric and barocaloric properties at ferroelastic phase transition in trigonal (NH4)2SnF6: A new look at the old compound. *Journal of Fluorine Chemistry*, **2016**, 183, 1-9	2.1	20
271	Pressure-induced phase transition in the cubic ScF3 crystal. *Physics of the Solid State*, **2009**, 51, 810-816	0.8	20
270	Mechanism and nature of phase transitions in the (NH4)3MoO3F3 oxyfluoride. *Physics of the Solid State*, **2008**, 50, 515-524	0.8	20
269	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
268	Electronic structure of □SrB4O7: experiment and theory. *Journal of Physics Condensed Matter*, **2013**, 25, 085503	1.8	19
267	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
266	Crystal structure and luminescence properties of novel Sr10□(SiO4)3(SO4)3O:xEu2+ phosphor with apatite structure. *Ceramics International*, **2016**, 42, 11687-11691	5.1	19
265	The Vis-NIR multicolor emitting phosphor Ba4Gd3Na3(PO4)6F2: Eu2+, Pr3+ for LED towards plant growth. *Journal of Industrial and Engineering Chemistry*, **2018**, 65, 411-417	6.3	19
264	Preparation, crystal structure and up-conversion luminescence of Er3+, Yb3+ co-doped Gd2(WO4)3. *RSC Advances*, **2015**, 5, 73077-73082	3.7	18
263	Enhanced luminescence performance of CaO:Ce3+,Li+,F□phosphor and its phosphor-in-glass based high-power warm LED properties. *Journal of Materials Chemistry C*, **2018**, 6, 4077-4086	7.1	18
262	Magnetism and structure of Ni2MnBO5 ludwigite. *Journal of Magnetism and Magnetic Materials*, **2016**, 402, 69-75	2.8	18
261	Crystal structure of potassium 2-thiobarbiturate. *Journal of Structural Chemistry*, **2013**, 54, 566-570	0.9	18
260	Bridging behaviour of the 2-thiobarbiturate anion in its complexes with Li(I) and Na(I). *Acta Crystallographica Section C: Crystal Structure Communications*, **2013**, 69, 704-8		18
259	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

258	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
257	The cis□trans isomer transformation, spectroscopic and thermal properties of Li, Na, K 1,3-diethyl-2-thiobarbiturate complexes. *Polyhedron*, **2015**, 85, 493-498	2.7	17
256	Crystal structure of polymer hexaaqua-hexakis(2-thiobarbiturato)dieuropium(III). *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2014**, 40, 648-652	1.6	17
255	Solid-state synthesis, characterization, UV-induced coloration and photocatalytic activity □The Sr6Bi2O11, Sr3Bi2O6 and Sr2Bi2O5 bismuthates. *Catalysis Today*, **2020**, 340, 70-85	5.3	17
254	Preparation, Structure, and Up-Conversion Luminescence of Yb3+/Er3+ Codoped SrIn2O4 Phosphors. *Journal of the American Ceramic Society*, **2015**, 98, 1182-1187	3.8	16
253	NaLaWO(OH)(HO): Crystal Structure and RE Luminescence in the Pristine and Annealed Double Tungstates (RE = Eu, Tb, Sm, and Dy). *Inorganic Chemistry*, **2018**, 57, 13606-13617	5.1	16
252	Si/Fe flux ratio influence on growth and physical properties of polycrystalline □-FeSi2 thin films on Si(100) surface. *Journal of Magnetism and Magnetic Materials*, **2017**, 440, 144-152	2.8	15
251	Synthesis of Samarium OxysulfateSmOSO in the High-Temperature Oxidation Reaction and Its Structural, Thermal and Luminescent Properties. *Molecules*, **2020**, 25,	4.8	15
250	Structures of bis(2-thiobarbiturato-O)tetraaquamagnesium and catena-[(□2-2-thiobarbiturato-O,O)(2-thiobarbiturato-O) bis(□2-aqua)diaquastrontium] monohydrate. *Russian Journal of Inorganic Chemistry*, **2014**, 59, 72-78	1.5	15
249	Dielectric and electrical properties of polymorphic bismuth pyrostannate Bi2Sn2O7. *Physics of the Solid State*, **2014**, 56, 1315-1319	0.8	15
248	Thiobarbiturate and barbiturate salts of pefloxacin drug: Growth, structure, thermal stability and IR-spectra. *Journal of Molecular Structure*, **2017**, 1149, 367-372	3.4	15
247	Structure transformations during phase transitions in the K3WO3F3 oxyfluoride. *Physics of the Solid State*, **2011**, 53, 834-839	0.8	15
246	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
245	Ultrabroadband red luminescence of Mn in MgAlO peaking at 651 nm. *Dalton Transactions*, **2020**, 49, 5711-5721	4.3	14
244	Morphology and phase transformation from NaCaSiOOH to NaCaSiO and photoluminescence evolution via Eu/Tb doping. *Chemical Communications*, **2016**, 52, 11292-11295	5.8	14
243	Crystal Structure of NaLuWO□2HO and Down/Upconversion Luminescence of the Derived NaLu(WO):Yb/Ln Phosphors (Ln = Ho, Er, Tm). *Inorganic Chemistry*, **2018**, 57, 10791-10801	5.1	14
242	Magnetic and dielectric properties of the PbFeBO4 single crystal. *Journal of Magnetism and Magnetic Materials*, **2014**, 353, 23-28	2.8	14
241	Crystal structure and luminescence property of a novel blue-emitting Cs2xCa2xGd2(1-x)(PO4)2:Eu(2+) (x = 0.36) phosphor. *Dalton Transactions*, **2014**, 43, 14092-8	4.3	14

240	Structure and color-tunable luminescence properties of Ce3+ and Tb3+-activated Mg2La8(SiO4)6O2 phosphors based on energy transfer behavior. *Journal of Solid State Chemistry*, **2017**, 255, 36-41	3.3	14
239	Structure and lattice dynamics of the high-pressure phase in the ScF3 crystal. *Physics of the Solid State*, **2011**, 53, 564-569	0.8	14
238	Nitroimines: II. Structure of Nitroamino-1,2,4-triazoles. *Russian Journal of Organic Chemistry*, **2005**, 41, 910-915	0.7	14
237	Structural Rigidity Control toward Cr3+-Based Broadband Near-Infrared Luminescence with Enhanced Thermal Stability. *Chemistry of Materials*, **2022**, 34, 1376-1384	9.6	14
236	A novel red-emitting La2CaHfO6:Mn4+ phosphor based on double perovskite structure for pc-WLEDs lighting. *CrystEngComm*, **2019**, 21, 3605-3612	3.3	13
235	Raman spectra and phase composition of MnGeO3 crystals. *Journal of Raman Spectroscopy*, **2016**, 47, 531-536	2.3	13
234	Crystal structure of catena-(2-thiobarbiturato) dithallium(I). *Journal of Structural Chemistry*, **2014**, 55, 125-129	0.9	13
233	Thermal and physical properties of sodium niobate ceramics over a wide temperature range. *Physics of the Solid State*, **2013**, 55, 821-828	0.8	13
232	Crystal structure of catena-DI(2-thiobarbiturato-O,S)aqualead(II). *Journal of Structural Chemistry*, **2013**, 54, 968-971	0.9	13
231	Heat capacity, p-T phase diagram, and structure of Rb2KTiOF5. *Physics of the Solid State*, **2008**, 50, 2175-2183	0.8	13
230	Synthesis, structural and spectroscopic properties of orthorhombic compounds BaLnCuS3 (Ln = Pr, Sm). *Journal of Alloys and Compounds*, **2020**, 832, 153134	5.7	13
229	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
228	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
227	Zero Linear Compressibility in Nondense Borates with a "Lu-Ban Stool"-Like Structure. *Advanced Materials*, **2018**, 30, e1801313	24	13
226	Halogen Substitution in Zero-Dimensional Mixed Metal Halides toward Photoluminescence Modulation and Enhanced Quantum Yield. *Advanced Optical Materials*, **2020**, 8, 2000418	8.1	13
225	Spin-Lattice Coupling and Peculiarities of Magnetic Behavior of Ferrimagnetic Ludwigites Mn0.52+M1.52+Mn3+BO5(M=Cu, Ni). *Solid State Phenomena*, **2015**, 233-234, 133-136	0.4	12
224	Structural transformation between two cubic phases of (NH4)3SnF7. *Journal of Fluorine Chemistry*, **2015**, 178, 86-92	2.1	12
223	Structural, Electronic and Vibrational Properties of YAl(BO). *Materials*, **2020**, 13,	3.5	12

222	Upconversion luminescence of CsScF4 crystals doped with erbium and ytterbium. *Optical Materials*, **2016**, 60, 584-589	3.3	12
221	Crystal structures of cesium and rubidium 2-thiobarbiturates. *Russian Journal of Inorganic Chemistry* , **2014**, 59, 943-946	1.5	12
220	Mechanism of phase transitions in the (NH4)2WO2F4 ferroelastic. *Physics of the Solid State*, **2006**, 48, 759-764	0.8	12
219	Powder diffraction crystal structure analysis using derivative difference minimization: example of the potassium salt of 1-(tetrazol-5-yl)-2-nitroguanidine. *Acta Crystallographica Section B: Structural Science*, **2005**, 61, 435-42		12
218	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
217	Dipole glass in chromium-substituted bismuth pyrostannate. *Materials Research Express*, **2018**, 5, 115202	1.7	12
216	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
215	Phase formation of (Y,Ce) 2 BaAl 4 SiO 12 yellow microcrystal-glass phosphor for blue LED pumped white lighting. *Ceramics International*, **2017**, 43, 6425-6429	5.1	11
214	High-temperature oxidation of europium (II) sulfide. *Journal of Industrial and Engineering Chemistry*, **2019**, 79, 62-70	6.3	11
213	Analysis of optical and magnetooptical spectra of Fe5Si3 and Fe3Si magnetic silicides using spectral magnetoellipsometry. *Journal of Experimental and Theoretical Physics*, **2015**, 120, 886-893	1	11
212	The effects of Ga3+ substitution on local structure and photoluminescence of Tb3Al5O12:Ce garnet phosphor. *Ceramics International*, **2018**, 44, 8684-8690	5.1	11
211	Crystal structure of catena-Bis(2-thiobarbiturato-O,S)diaquacadmium. *Russian Journal of Inorganic Chemistry*, **2013**, 58, 1193-1196	1.5	11
210	Reconstructive phase transition in (NH4)3TiF7 accompanied by the ordering of TiF6 octahedra. *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials*, **2014**, 70, 924-31	1.8	11
209	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
208	Ca/Sr ratio dependent structure and up-conversion luminescence of (Ca1−xSrx)In2O4 : Yb3+/Ho3+ phosphors. *RSC Advances*, **2015**, 5, 59403-59407	3.7	10
207	Crystal structure, spectroscopic and thermal properties of the coordination compounds M(1,3-diethyl-2-thiobarbiturate) M = Rb+, Cs+, Tl+ and NH4+. *Polyhedron*, **2015**, 98, 113-119	2.7	10
206	Cyan-emitting LiBaBO3:Eu2+ phosphor: Crystal structure and luminescence property comparison with LiSrBO3:Eu2+. *Chemical Physics Letters*, **2015**, 628, 21-24	2.5	10
205	The crystal structure of lead(II) 1,3-diethyl-2-thiobarbiturate. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2015**, 41, 300-304	1.6	10

204	Crystal structure of catena-(μ4-1,3-diethyl-2-thiobarbiturato-O,O,S,S)silver(I). *Russian Journal of Inorganic Chemistry*, **2015**, 60, 572-576	1.5	10
203	Structures of distorted phases and critical and noncritical atomic displacements of elpasolite Rb2KInF6 during phase transitions. *Physics of the Solid State*, **2009**, 51, 2505-2512	0.8	10
202	Structural phase transition in elpasolite-like (NH4)2KWO3F3. *Physics of the Solid State*, **2006**, 48, 106-112	0.8	10
201	1,2-dinitroguanidine. *Acta Crystallographica Section C: Crystal Structure Communications*, **2003**, 59, O550-2		10
200	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
199	A New Nonlinear Optical Selenide Crystal AgLiGa2Se4 with Good Comprehensive Performance in Mid-Infrared Region. *Advanced Optical Materials*, **2021**, 9, 2001856	8.1	10
198	The crystal structure and luminescence properties of a novel green-yellow emitting CaMgSiLiO:Ce phosphor with high quantum efficiency and thermal stability. *Dalton Transactions*, **2018**, 47, 9834-9844	4.3	10
197	Zero-Dimensional Organic Copper(I) Iodide Hybrid with High Anti-Water Stability for Blue-Light-Excitable Solid-State Lighting. *Advanced Optical Materials*,2102619	8.1	10
196	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
195	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
194	Crystal structure and phase transitions of a layered perovskite-like CsScF4 crystal. *CrystEngComm*, **2016**, 18, 8472-8486	3.3	9
193	Synthesis, Crystal Structure, and Optical Gap of Two-Dimensional Halide Solid Solutions CsPb(ClBr). *Inorganic Chemistry*, **2018**, 57, 9531-9537	5.1	9
192	Optical characteristics of an epitaxial Fe3Si/Si(111) iron silicide film. *JETP Letters*, **2014**, 99, 565-569	1.2	9
191	Magnetic, dielectric, and transport properties of bismuth pyrostannate Bi2(Sn0.9Mn0.1)2O7. *Physics of the Solid State*, **2017**, 59, 2268-2273	0.8	9
190	Crystal structures of EuLnCuS3 (Ln = Nd and Sm). *Russian Journal of Inorganic Chemistry*, **2012**, 57, 79-83	1.5	9
189	Preparation and crystal structure of hydrated crystalline complex of ciprofloxacin and copper tetrachloride. *Journal of Structural Chemistry*, **2005**, 46, 363-370	0.9	9
188	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
187	Role of the Eu Distribution on the Properties of β-Ca(PO) Phosphors: Structural, Luminescent, and Eu Mössbauer Spectroscopy Study of CaMgEu(PO). *Inorganic Chemistry*, **2021**, 60, 3961-3971	5.1	9

186	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
185	Role of Metal-Chloride Anions in Photoluminescence Regulations for Hybrid Metal Halides. *Journal of Physical Chemistry Letters*, **2021**, 12, 1918-1925	6.4	9
184	Site-Selective Occupancy of Eu2+ Toward Blue-Light-Excited Red Emission in a Rb3YSi2O7:Eu Phosphor. *Angewandte Chemie*, **2019**, 131, 11645	3.6	8
183	Influence of alkyl substituents in 1,3-diethyl-2-thiobarbituric acid on the coordination environment in M(H2O)2(1,3-diethyl-2-thiobarbiturate)2 M = Ca2+, Sr2+. *Journal of Coordination Chemistry*, **2016**, 69, 957-965	1.6	8
182	Growth of □FeSi2 nanocrystals on si(100) with Au catalyst. *Materials Letters*, **2016**, 168, 90-94	3.3	8
181	Influence of thermal conditions on the electrocaloric effect in a multilayer capacitor based on doped BaTiO3. *Journal of Advanced Dielectrics*, **2017**, 07, 1750041	1.3	8
180	Thermodynamic properties and structure of oxyfluorides Rb2KMoO3F3 and K2NaMoO3F3. *Physics of the Solid State*, **2011**, 53, 1202-1211	0.8	8
179	State of spin glass in SmFeTi2O7. *Physics of the Solid State*, **2011**, 53, 1855-1858	0.8	8
178	Crystal structures of room- and low-temperature phases in oxyfluoride (NH4)2KWO3F3. *Powder Diffraction*, **2007**, 22, 227-230	1.8	8
177	Sequence of phase transitions in (NH)SiF. *Dalton Transactions*, **2017**, 46, 2609-2617	4.3	7
176	Structure of ionic cocrystals piperidinium 2-thiobarbiturate□2-thiobarbituric acid. *Journal of Structural Chemistry*, **2016**, 57, 1266-1269	0.9	7
175	Influence of cation substitution on the crystal structure and luminescent properties in apatite structural Ba4.97□Srx(PO4)3Cl:0.03Eu2+ phosphors. *Chemical Physics Letters*, **2016**, 658, 248-253	2.5	7
174	Synthesis, structure, and properties of EuErCuS3. *Journal of Alloys and Compounds*, **2019**, 805, 779-788	5.7	7
173	Synthesis and luminescence properties of Li2O□2O3□eO2:Eu3+ tellurite glass. *Materials Chemistry and Physics*, **2014**, 147, 1191-1194	4.4	7
172	Ferroelastic phase transitions in (NH4)2TaF7. *Physics of the Solid State*, **2013**, 55, 611-618	0.8	7
171	Crystal structures of two barium 2-thiobarbiturate complexes. *Journal of Structural Chemistry*, **2014** , 55, 871-878	0.9	7
170	Magnetic state of the GdFeTi2O7 compound. *Physics of the Solid State*, **2012**, 54, 1813-1816	0.8	7
169	Phase Transitions in Oxides, Fluorides and Oxyfluorides with the Ordered Perovskite Structure. *Ferroelectrics*, **2007**, 346, 77-83	0.6	7

168	Hydrates [Na2(H2O)x](2-thiobarbiturate)2 (x = 3, 4, 5): crystal structure, spectroscopic and thermal properties. *Journal of Coordination Chemistry*, **2016**, 69, 3219-3230	1.6	7
167	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
166	Intensive electrocaloric effect in the multilayer capacitor under equilibrium and nonequilibrium thermal conditions. *Scripta Materialia*, **2018**, 146, 51-54	5.6	7
165	LiGaTe 2 (LGT) nonlinear crystal: Synthesis and crystal growth processes exploration. *Materials Science in Semiconductor Processing*, **2017**, 72, 52-59	4.3	6
164	Correlation of the magnetic and transport properties with polymorphic transitions in bismuth pyrostannate Bi2(Sn1 □x Cr x)2O7. *Physics of the Solid State*, **2015**, 57, 1627-1632	0.8	6
163	Anomalous mechanical materials squeezing three-dimensional volume compressibility into one dimension. *Nature Communications*, **2020**, 11, 5593	17.4	6
162	Crystal structures, phase transitions and thermal expansion properties of NaZr2(PO4)3□SrZr4(PO4)6 solid solutions. *Inorganic Chemistry Frontiers*, **2018**, 5, 619-625	6.8	6
161	A non-typical sequence of phase transitions in (NH4)3GeF7: optical and structural characterization. *Dalton Transactions*, **2016**, 45, 5321-7	4.3	6
160	Crystal structure and luminescence properties of green-emitting Sr1□Al12O19:xEu2+ phosphors. *Ceramics International*, **2016**, 42, 5995-5999	5.1	6
159	Structure and Optical Properties of the Li2In2GeSe6 Crystal. *Journal of Physical Chemistry C*, **2018**, 122, 17413-17422	3.8	6
158	Phase transitions in bismuth pyrostannate upon substitution of tin by iron ions. *Journal of Alloys and Compounds*, **2019**, 804, 281-287	5.7	6
157	Polymeric lithium(I) diaquabarbiturate: Crystal structure. *Russian Journal of Inorganic Chemistry*, **2017**, 62, 746-750	1.5	6
156	Visible magnetic circular dichroism spectroscopy of the Pr0.8Sr0.2MnO3 and Pr0.6Sr0.4MnO3 thin films. *AIP Advances*, **2014**, 4, 057125	1.5	6
155	Magnetic phase diagram of the olivine-type Mn2GeO4 single crystal estimated from magnetic, resonance and thermodynamic properties. *Journal of Physics Condensed Matter*, **2013**, 25, 136003	1.8	6
154	Effect of deuteration on the thermal properties and structural parameters of the (NH4)2WO2F4 oxyfluoride. *Physics of the Solid State*, **2007**, 49, 1149-1156	0.8	6
153	Crystal and Molecular Structure of Nitramino Derivatives of Tetrazole and 1,2,4-Triazole. II. 5-Nitraminotetrazole Diammonium Salt. *Journal of Structural Chemistry*, **2004**, 45, 175-180	0.9	6
152	Structural and Spectroscopic Effects of Li Substitution for Na in LiNaCaGdHoYb(MoO) Scheelite-Type Upconversion Phosphors. *Molecules*, **2021**, 26,	4.8	6
151	Structural analysis and optical temperature sensing performance of Eu3+-doped Ba3In(PO4)3. *CrystEngComm*, **2020**, 22, 5809-5817	3.3	6

150	First outer-sphere 1,3-diethyl-2-thiobarbituric compounds [M(H2O)6](1,3-diethyl-2-thiobarbiturate)2·2H2O (M = Co2+, Ni2+): Crystal structure, spectroscopic and thermal properties. *Chemical Physics Letters*, **2016**, 653, 54-59	2.5	6
149	Crystal structure and some properties of europium(III) Catena-{tris(1,3-diethyl-2-thiobarbiturate)}. *Journal of Structural Chemistry*, **2016**, 57, 167-174	0.9	6
148	Chemical disorder reinforces magnetic order in ludwigite (Ni,Mn)3BO5 with Mn4+ inclusion. *Journal of Magnetism and Magnetic Materials*, **2018**, 465, 201-210	2.8	6
147	High mechanical strength in Zn4B6O13 with an unique sodalite-cage structure. *RSC Advances*, **2017**, 7, 2038-2043	3.7	5
146	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
145	Synthesis and study of structural, thermodynamic, and magnetic properties of Na x Li1− FeGe2O6 (x = 0.1−0.9) compounds. *Physics of the Solid State*, **2016**, 58, 1361-1370	0.8	5
144	Synthesis and structural, magnetic, and resonance properties of the LiCuFe2(VO4)3 compound. *Physics of the Solid State*, **2016**, 58, 1981-1988	0.8	5
143	Effect of restricted geometry and external pressure on the phase transitions in ammonium hydrogen sulfate confined in a nanoporous glass matrix. *Journal of Materials Science*, **2018**, 53, 12132-12144	4.2	5
142	Spectroscopic properties and structure of the ErFe3(BO3)4 single crystal. *Physics of the Solid State*, **2014**, 56, 2056-2063	0.8	5
141	Specific features of magnetic ordering in the SmFeGe2O7 compound. *Physics of the Solid State*, **2014**, 56, 1131-1136	0.8	5
140	Investigation into phase diagrams of the fluorine-oxygen system: Ferroelastic-antiferroelectric (NH4)2WO2F4-(NH4)2MoO2F4. *Physics of the Solid State*, **2013**, 55, 409-418	0.8	5
139	Specific features of the crystal structure and magnetic properties of the DyFeTi2O7 compound. *Physics of the Solid State*, **2013**, 55, 2037-2042	0.8	5
138	X-Ray and Magnetic Measurements of TmFeTi2O7 . *Solid State Phenomena*, **2014**, 215, 470-473	0.4	5
137	Magnetic and electrical properties of bismuth cobaltite Bi24(CoBi)O40 with charge ordering. *Physics of the Solid State*, **2012**, 54, 2005-2014	0.8	5
136	Phase transitions in the (NH4)2NbOF5 oxyfluoride. *Physics of the Solid State*, **2010**, 52, 781-788	0.8	5
135	Crystal and molecular structure of nitraminotetrazoles and nitramino-1,2,4-triazoles. V. 5-nitraminotetrazole methylammonium salt. *Journal of Structural Chemistry*, **2005**, 46, 517-522	0.9	5
134	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
133	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

132	Intrinsic Isotropic Near-Zero Thermal Expansion in ZnBOX (X = O, S, Se). *ACS Applied Materials & Interfaces*, **2020**, 12, 38435-38440	9.5	5
131	Synthesis, structure, and properties of EuScCuS3 and SrScCuS3. *Journal of Solid State Chemistry*, **2021**, 296, 121926	3.3	5
130	Incorporating Rare-Earth Terbium(III) Ions into Cs2AgInCl6:Bi Nanocrystals toward Tunable Photoluminescence. *Angewandte Chemie*, **2020**, 132, 11731-11737	3.6	5
129	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
128	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
127	Structural transformations and phenomenological description of the formation of phase states in elpasolites Cs2RbDyF6 and Rb2KB?F6 (B? = Ho, Dy, Tb). *Physics of the Solid State*, **2015**, 57, 491-498	0.8	4
126	Synthesis of NdSc3(BO3)4 single crystals and study of its structure properties. *Journal of Alloys and Compounds*, **2020**, 828, 154355	5.7	4
125	Synthesis, Crystal Structure, and Magnetic Properties of the YbFeTi2O7 Compound. *Physics of the Solid State*, **2018**, 60, 532-536	0.8	4
124	First coordination compounds of SeBr2 with selenium-containing ligands: X-ray structural determination. *Mendeleev Communications*, **2016**, 26, 532-534	1.9	4
123	Two novel mixed-ligand Ni(II) and Co(II) complexes with 1,10-phenanthroline: Synthesis, structural characterization, and thermal stability. *Chemical Physics Letters*, **2018**, 708, 11-16	2.5	4
122	Oxatrane is a parent compound of a new atrane family: Crystal and molecular structure of triethanolamine N-oxide. *Doklady Chemistry*, **2014**, 458, 172-175	0.8	4
121	Crystal structure of enrofloxacinium tetrabromidodichloridostannate(IV) monohydrate. *Journal of Structural Chemistry*, **2013**, 54, 377-382	0.9	4
120	Processes of ordering of structural elements, critical and noncritical parameters of phase transitions in the (NH4)3WO3F3 crystal. *Physics of the Solid State*, **2012**, 54, 155-165	0.8	4
119	Phase formation upon crystallization of SrO □2B2O3 glasses. *Crystallography Reports*, **2011**, 56, 44-51	0.6	4
118	Heat capacity, structure, and p-T phase diagram of elpasolite (NH4)2KMoO3F3. *Physics of the Solid State*, **2007**, 49, 141-147	0.8	4
117	Crystal and molecular structure of nitraminotetrazole and nitramino-1,2,4-triazole. IV. 5-nitraminotetrazole sodium salt sesquihydrate. *Journal of Structural Chemistry*, **2004**, 45, 537-540	0.9	4
116	Near-infrared photoluminescence and phosphorescence properties of Cr3+-Doped garnet-type Y3Sc2Ga3O12. *Journal of Luminescence*, **2020**, 225, 117392	3.8	4
115	Spin state crossover in Co3BO5. *Physical Review B*, **2021**, 103,	3.3	4

114	Correlation between magneto-optical and transport properties of Sr doped manganite films. *Journal of Alloys and Compounds*, **2019**, 782, 334-342	5.7	4
113	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
112	Lattice Doping of Lanthanide Ions in Cs2AgInCl6 Nanocrystals Enabling Tunable Photoluminescence. *Energy Material Advances*, **2021**, 2021, 1-9	1	4
111	Specific Heat and Thermal Expansion of Triglycine Sulfate Porous Glass Nanocomposites. *Physics of the Solid State*, **2018**, 60, 1338-1343	0.8	4
110	Crystal structures of [Cu2(2,2?-bipyridine-N,N?)2(H2O)2(2-OH)2](barbiturate)2 2H2O and [Cu(2,2?-bipyridine-N,N?)(H2O)(barbiturate-O)Cl] 2H2O. *Inorganic Chemistry Communication*, **2018**, 97, 88-92	3.1	4
109	Crystal formation of Cu-Mn-containing oxides and oxyborates in bismuth-boron fluxes diluted by MoO3 and Na2CO3. *Journal of Crystal Growth*, **2018**, 503, 1-8	1.6	4
108	Bis(3-barbituratoO,O,O?)-(2-aqua)- aqua-barium(II): crystal structure, spectroscopic and thermal properties. *Journal of Coordination Chemistry*, **2017**, 70, 1984-1993	1.6	3
107	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
106	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
105	Magnetic transitions in exotic perovskites stabilized by chemical and physical pressure. *Journal of Materials Chemistry C*, **2020**, 8, 5082-5091	7.1	3
104	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
103	Crystal Structure and Properties of Levofloxacinium 2-Thiobarbiturate Trihydrate. *Journal of Structural Chemistry*, **2018**, 59, 646-651	0.9	3
102	Novel 1,3-diethyl-2-thiobarbiturates of 2,2?-bipyridine and 1,10-phenanthroline: Synthesis, crystal structure and thermal stability. *Journal of Molecular Structure*, **2018**, 1171, 488-494	3.4	3
101	Phase transitions in fluoride KFe 2 F 6 with tetragonal tungsten bronze structure. *Journal of Fluorine Chemistry*, **2014**, 168, 204-211	2.1	3
100	Electrical and Dielectrical Propeties of Gas-Sensor Resistive Type Bi2Sn2O7. *Solid State Phenomena*, **2014**, 215, 503-506	0.4	3
99	Magnetoelectric Polarization of Paramagnetic HoAl3-XGaX(BO3)4 Single Crystals. *Solid State Phenomena*, **2014**, 215, 364-367	0.4	3
98	Structural transformations and the critical and noncritical parameters during the phase transition in the (NH4)2KWO3F3 oxyfluoride. *Physics of the Solid State*, **2011**, 53, 1672-1679	0.8	3
97	Magnetic properties of the CuCoAlBO5 single crystal. *Physics of the Solid State*, **2009**, 51, 2486-2491	0.8	3

96	Heat capacity, structural disorder, and the phase transition in cryolite (NH4)3Ti(O2)F5. *Physics of the Solid State*, **2006**, 48, 1559-1567	0.8	3
95	Crystal and Molecular Structure of the Nitramino Derivatives of Tetrazole and 1,2,4-Triazole. III. 5-Nitraminotetrazole Lithium Salt Monohydrate. *Journal of Structural Chemistry*, **2004**, 45, 360-364	0.9	3
94	Crystal and molecular structure of 1-methyl-1,2-dinitroguanidine. *Journal of Structural Chemistry*, **2004**, 45, 532-536	0.9	3
93	Crystal and Molecular Structure of 2-nitro-1-ureidoguanidine. *Journal of Structural Chemistry*, **2003**, 44, 326-329	0.9	3
92	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
91	Shining Mn 4+ in 0D Organometallic Fluoride Hosts towards Highly Efficient Photoluminescence. *Advanced Optical Materials*,2102141	8.1	3
90	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
89	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
88	Thermal properties of (NH4)2MeF6NH4F (Me: Ti, Sn) crystals undergoing transformation between two cubic phases. *Ferroelectrics*, **2016**, 501, 20-25	0.6	3
87	The mechanism of the area negative thermal expansion in KBe2BO3F2 family crystals: A first-principles study. *Journal of Applied Physics*, **2016**, 119, 055901	2.5	3
86	Ultra-narrow band blue emission of Eu2+ in halogenated (Alumino)borate systems based on high lattice symmetry. *Journal of the American Ceramic Society*, **2018**, 102, 2353	3.8	3
85	Synthesis, structure, melting and optical properties of three complex orthorhombic sulfides BaDyCuS3, BaHoCuS3 and BaYbCuS3. *Materials Research Bulletin*, **2021**, 140, 111314	5.1	3
84	Revisiting the BaBiO semiconductor photocatalyst: synthesis, characterization, electronic structure, and photocatalytic activity. *Photochemical and Photobiological Sciences*, **2021**, 20, 1147-1160	4.2	3
83	Potassium and thallium conductors with a trigonal structure in the M2MoO4r2(MoO4)3If(MoO4)2 (M = K, Tl) systems: Synthesis, structure, and ionic conductivity. *Journal of Alloys and Compounds*, **2021**, 873, 159828	5.7	3
82	Regularities of the property changes in the compounds EuLnCuS3 (Ln = La-Lu). *Journal of Alloys and Compounds*, **2021**, 874, 159968	5.7	3
81	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
80	Role of Fe magnetic subsystems to form a magnetic spin glass state in RFeTi2O7. *Journal of Magnetism and Magnetic Materials*, **2017**, 440, 41-43	2.8	2
79	Structure of tetrakis((1,3-diethyl-2-thiobarbiturato)(butanol-1))dicobalt(II). *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2017**, 43, 82-85	1.6	2

78	Crystal structure characterization and up-conversion luminescent properties of BaIn2O4 phosphor. *Journal of Luminescence*, **2017**, 192, 218-223	3.8	2
77	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
76	Optical and calorimetric studies of K2TaF7. *Journal of Fluorine Chemistry*, **2019**, 222-223, 75-80	2.1	2
75	New class of bicyclic compounds derived from thiobarbituric acid with representative compound 1,3-diethyl-7-hydroxy-5,5,7-trimethyl-2-thioxo-1,2,3,5,6,7-hexahydro-4H-pyrano[2,3-d]pyrimidin-4-one. Preparation, crystal structure, mass spectrometry and IR spectroscopy. *Journal of Molecular Structure*, **2015**, 1102, 101-107	3.4	2
74	The structure of the metastable K18Ta5Zr5F63 phase. *New Journal of Chemistry*, **2020**, 44, 9264-9270	3.6	2
73	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
72	Pseudo-proper ferroelectric phase transitions in oxyfluoride K3WO3F3. *Phase Transitions*, **2014**, 87, 592-602	1.3	2
71	Heat capacity and structure of Rb2KMeO3F3 (Me: Mo, W) elpasolites. *Solid State Sciences*, **2012**, 14, 166-170	3.4	2
70	Crystal structure and properties of polymeric hexaaqua-hexakis-(2-thiobarbiturato)-disamarium(III). *Journal of Structural Chemistry*, **2017**, 58, 539-543	0.9	2
69	Magnetic and Dielectric Properties of PbFeBO4 and PbMnBO4 Single Crystals. *Solid State Phenomena*, **2014**, 215, 372-377	0.4	2
68	Structural field of K2Al2B2O7-family crystals **2013**,		2
67	Crystal and Molecular Structure of 5-Acetylamino-3-nitro-1,2,4-triazole. *Journal of Structural Chemistry*, **2003**, 44, 897-901	0.9	2
66	1-Ethyl-2-nitroguanidine. *Acta Crystallographica Section E: Structure Reports Online*, **2003**, 59, o193-o194		2
65	2-nitrimino-1-nitroimidazolidine. *Acta Crystallographica Section C: Crystal Structure Communications*, **2003**, 59, o499-501		2
64	Preparation and Luminescence Properties of the Blue-Emitting Phosphor BaBPO5:Eu2+. *Science of Advanced Materials*, **2016**, 8, 1086-1092	2.3	2
63	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
62	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
61	The structure and phase transitions in oxyfluoride (ND4)2MoO2F4. *Solid State Sciences*, **2016**, 61, 155-160	3.4	2

60	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
59	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
58	Electron Paramagnetic Resonance of Cr3+ Ions in ABO3 (A = Sc, In, Ga) Diamagnetic Crystals. *Journal of Experimental and Theoretical Physics*, **2018**, 127, 1067-1073	1	2
57	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
56	Photoluminescence tuning in Ba3ScB3O9:Eu2+ phosphor by crystal-site engineering. *Physics Open*, **2021**, 8, 100077	1.6	2
55	Coordination effects in hydrated manganese(II) 1,3-diethyl-2-thiobarbiturates and their thermal stability. *Polyhedron*, **2017**, 134, 120-125	2.7	1
54	Reply to Comment on "Tuning of Photoluminescence and Local Structures of Substituted Cations in xSr2Ca(PO4)2(1 − x)Ca10Li(PO4)7:Eu2+ Phosphors". *Chemistry of Materials*, **2017**, 29, 3803-3805	9.6	1
53	Effect of Deuteration on Phase Transitions in Vanadium Dioxotetrafluoride. *Physics of the Solid State*, **2019**, 61, 192-200	0.8	1
52	Structure of bis(2-Thiobarbiturate)Tris (2,2-Bipyridyl)Nickel(II) Hexahydrate. *Journal of Structural Chemistry*, **2019**, 60, 111-116	0.9	1
51	Growth, Structure, and Optical Properties of Nonlinear LiGa0.55In0.45Te2 Single Crystals. *Crystal Growth and Design*, **2019**, 19, 1805-1814	3.5	1
50	Effect of Mn Doping on Magnetic and Dielectric Properties of Bi2Sn2O7. *Solid State Phenomena*, **2015**, 233-234, 105-108	0.4	1
49	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
48	Structure and Thermodynamic Properties of the SmGaGe2O7 Oxide. *Physics of the Solid State*, **2020**, 62, 384-387	0.8	1
47	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
46	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
45	Structural, spectroscopic, and thermophysical investigations of the oxyfluorides CsZnMoO3F3 and CsMnMoO3F3 with the pyrochlore structure. *Physics of the Solid State*, **2014**, 56, 599-605	0.8	1
44	Magnetic properties of single crystals of the Cr x Mn1 − x S solid solutions (0 − x Physics of the Solid State, **2012**, 54, 293-297	0.8	1
43	Analysis of the exchange magnetic structure in Pb3Mn7O15. *Journal of Experimental and Theoretical Physics*, **2017**, 124, 792-804	1	1

42	Structural changes during phase transitions and the critical and noncritical order parameters in the (NH4)3Nb(O2)2F4 crystal. *Physics of the Solid State*, **2012**, 54, 143-154	0.8	1
41	Synthesis, crystal structure, and magnetic properties of a Li8FeSm2O38 single crystal. *Crystallography Reports*, **2013**, 58, 234-236	0.6	1
40	Arrangement of Rh3+ ions in fac-triamminetrichloridorhodium from powder data and in fac-triamminetrinitratorhodium crystals twinned by merohedry. *Acta Crystallographica Section C: Crystal Structure Communications*, **2013**, 69, 1462-6		1
39	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
38	Structural, thermal and electrical studies of thallium-scandium-hafnium(zirconium) molybdates. *Journal of Solid State Chemistry*, **2022**, 307, 122832	3.3	1
37	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
36	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
35	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
34	Crystal structure of thallium(I) 2-thiobarbiturate. *Russian Journal of Inorganic Chemistry*, **2016**, 61, 442-446	1.5	1
33	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
32	Synthesis, Crystal Structure, Luminescence, and Thermophysical Properties of TbGaGe2O7. *Physics of the Solid State*, **2021**, 63, 75-78	0.8	1
31	Structure of Potassium and Cesium Barbiturates. *Russian Journal of Inorganic Chemistry*, **2018**, 63, 1315-1321	1.5	1
30	Synthesis, Crystal Structure, and the Optical and Thermodynamic Properties of PrAlGe2O7. *Russian Journal of Physical Chemistry A*, **2021**, 95, 1546-1550	0.7	1
29	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
28	A high thermal stability Cr3+-doped gallate far red phosphor for plant lighting: structure, luminescence enhancement and application prospect. *Journal of Materials Chemistry C*,	7.1	1
27	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
26	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
25	Thermodynamic Properties of Vanadium Oxypentafluoride (IV) (NH4)3VOF5. *Physics of the Solid State*, **2020**, 62, 1271-1279	0.8	0

24	Three isomers in a (hydrogen l-Cysteinato)-thallium(I): Crystal structure, spectroscopic and thermal properties. *Polyhedron*, **2019**, 173, 114141	2.7	0
23	Synthesis, crystal structure, and magnetic properties of the Li8FeSm2O38 single crystal. *Physics of the Solid State*, **2012**, 54, 1796-1799	0.8	0
22	New double nonlinear-optical borate Rb3SmB6O12: synthesis, structure and spectroscopic properties. *Journal of Alloys and Compounds*, **2022**, 164022	5.7	0
21	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
20	Structural and magnetic alteration of Cu2GaBO5 forced by Mn3+ doping. *Journal of Alloys and Compounds*, **2022**, 902, 163822	5.7	0
19	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
18	Photoluminescence of pefloxacindi-ium manganese(II) and zinc(II) tetrahalides. *Journal of Molecular Structure*, **2022**, 1248, 131468	3.4	0
17	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
16	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
15	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
14	CRYSTAL STRUCTURE OF NORFLOXACINIUM AND 2,2?-BIPYRIDYL-1?-IUM 2-THIOBARBITURATES. *Journal of Structural Chemistry*, **2020**, 61, 1639-1647	0.9	
13	HoFeTi2O7: Synthesis, Peculiarities of the Crystal Structure, and Magnetic Properties. *Physics of the Solid State*, **2020**, 62, 464-471	0.8	
12	The Anisotropic Thermal Expansion of Non-linear Optical Crystal BaAlBOF Below Room Temperature. *Frontiers in Chemistry*, **2018**, 6, 252	5	
11	Structure of Barbituratobis(2,2′-Dipyridyl)copper(II) Heptahydrate. *Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya*, **2019**, 45, 569-572	1.6	
10	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	
9	Mechanism and nature of phase transitions in the (NH4)3MoO3F3 oxyfluoride **2010**, 50, 515		
8	Tolerance Factor for Huntite-Family Compounds. *Physics of the Solid State*, **2020**, 62, 2058-2062	0.8	
7	Synthesis, Structure, and Thermophysical Properties of EuGaGe2O7. *Inorganic Materials*, **2020**, 56, 854-858	0.9	

6	Hydrates of Lanthanide(III) 2-Thiobarbiturates: Synthesis, Structure, and Thermal Decomposition. *Russian Journal of Inorganic Chemistry*, **2020**, 65, 999-1005	1.5
5	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
4	Structure and Thermodynamic Properties of the DyGaTi2O7 and EuGaTi2O7 Titanates. *Inorganic Materials*, **2021**, 57, 733-740	0.9
3	In situ X-ray diffraction study of chrysotile at high P T conditions: transformation to the 3.65 phase. *Physics and Chemistry of Minerals*, **2021**, 48, 1	1.6
2	Synthesis and Structural, Magnetic, and Thermal Properties of the Titanium-Doped Pb3Mn7O15 Compound. *Physics of the Solid State*, **2021**, 63, 654-659	0.8
1	Synthesis and Structural and Magnetic Properties of the NaNiFe2(VO4)3 Compound. *Physics of the Solid State*, **2021**, 63, 802-810	0.8