Pavel Fedorov

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

334 papers	4,691 citations	33 h-index	53 g-index
381 ext. papers	5,212 ext. citations	1.9 avg, IF	5.74 L-index

#	Paper	IF	Citations
334	Effect of Structural Perfection of Crystalline NaYF4:Yb,Er Phosphor Powders on the Efficiency of Their Upconversion Luminescence. *Inorganic Materials*, **2022**, 58, 90-96	0.9	
333	Long-wavelength optical properties of the Ca0.33Sr0.33Ba0.33F2 solid solution single crystals. *Optical Materials*, **2022**, 127, 112267	3.3	
332	Lithium Rare-Earth Fluorides As Photonic Materials: 1. Physicochemical Characterization. *Inorganic Materials*, **2022**, 58, 223-245	0.9	2
331	Synthesis of single-phase Sr Ba F solid solutions by coprecipitation from aqueous solutions. *Solid State Sciences*, **2022**, 106932	3.4	
330	Review on the paper Reversed Crystal Growth. *Modern Electronic Materials*, **2021**, 7, 31-32	0.3	
329	Interactions of Cadmium Fluoride with Other Fluorides. *Russian Journal of Inorganic Chemistry*, **2021**, 66, 1455-1462	1.5	0
328	Distribution Coefficients of Rare-Earth Oxides in Zirconium Dioxide Melt Crystallization. *Inorganic Materials*, **2021**, 57, 901-905	0.9	
327	Review on the paper Reversed Crystal Growth. *Izvestiya Vysshikh Uchebnykh Zavedenii Materialy Elektronnoi Tekhniki = Materials of Electronics Engineering*, **2021**, 24, 63-64	0.2	
326	Bifurcation of T Diagrams of Condensed Binary Systems. Phase Diagrams with Ordered Phases. *Russian Journal of Inorganic Chemistry*, **2021**, 66, 550-557	1.5	2
325	Comment on A Mechanistic Understanding of Nonclassical Crystal Growth in Hydrothermally Synthesized Sodium Yttrium Fluoride Nanowires *Chemistry of Materials*, **2021**, 33, 3859-3861	9.6	4
324	Zirconium dioxide. Review **2021**, 23, 169-187		2
323	Copper Palladium Phase Diagram. *Russian Journal of Inorganic Chemistry*, **2021**, 66, 891-893	1.5	1
322	Thermal Conductivity of Sr1 xBaxF2 Single Crystals. *Inorganic Materials*, **2021**, 57, 629-633	0.9	2
321	Optical Fluoride Nanoceramics. *Inorganic Materials*, **2021**, 57, 555-578	0.9	6
320	Synthesis of Calcium Fluoride Nanoparticles in a Microreactor with Intensely Swirling Flows. *Russian Journal of Inorganic Chemistry*, **2021**, 66, 1047-1052	1.5	6
319	Phase Diagrams of Lead Difluoride Systems with Rare-Earth Fluorides. *Russian Journal of Inorganic Chemistry*, **2021**, 66, 245-252	1.5	2
318	Low-temperature phase formation in the SrF2 aF3 system. *Journal of the American Ceramic Society*, **2021**, 104, 2836-2848	3.8	0

317	Transformation of calcite CaCO3 to fluorite CaF2 by action of KF solution. *Journal of Fluorine Chemistry*, **2021**, 251, 109898	2.1	2
316	Electrical Conductivity of Cryptocrystalline Forms of Silica. *Crystallography Reports*, **2021**, 66, 126-129	0.6	
315	An up-conversion luminophore with high quantum yield and brightness based on BaF2:Yb3+,Er3+ single crystals. *Journal of Materials Chemistry C*, **2021**, 9, 3493-3503	7.1	12
314	Influence of Additive Coloring on the Electrical Conductivity of CaF2 Crystals. *Crystallography Reports*, **2021**, 66, 1056-1059	0.6	
313	Temperature Sensing in the Short-Wave Infrared Spectral Region Using Core-Shell NaGdF:Yb, Ho, Er@NaYF Nanothermometers. *Nanomaterials*, **2020**, 10,	5.4	4
312	Study of Yb3+ Optical Centers in Fluoride Solid Solution Crystals CaF2–SrF2–YbF3. *Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)*, **2020**, 128, 600-604	0.7	2
311	Synthesis of Calcium and Strontium Fluorides Using Li2SO4–Na2SO4 Eutectic Melts. *Russian Journal of Inorganic Chemistry*, **2020**, 65, 834-838	1.5	2
310	Upconversion properties of SrF2:Yb3+,Er3+ single crystals. *Journal of Materials Chemistry C*, **2020**, 8, 4093-4101	7.1	30
309	Simultaneous Measurement of the Emission Quantum Yield and Local Temperature: The Illustrative Example of SrF2:Yb3+/Er3+ Single Crystals. *European Journal of Inorganic Chemistry*, **2020**, 2020, 1555-1561	2.3	15
308	Diamond–Rare Earth Composites with Embedded NaGdF4:Eu Nanoparticles as Robust Photo- and X-ray-Luminescent Materials for Radiation Monitoring Screens. *ACS Applied Nano Materials*, **2020**, 3, 1324-1331	5.6	13
307	Phase diagram of the Li2SO4–Na2SO4 system. *Journal of the American Ceramic Society*, **2020**, 103, 3390-3400	3.8	2
306	Simultaneous Measurement of the Emission Quantum Yield and Local Temperature: The Illustrative Example of SrF2:Yb3+/Er3+ Single Crystals. *European Journal of Inorganic Chemistry*, **2020**, 2020, 1540-1540	2.3	
305	Flints as Nanostructured Chalcedonies. *Journal of Surface Investigation*, **2020**, 14, 762-770	0.5	1
304	Indium iodide single crystal: breakthrough material for infrared acousto-optics. *Optics Letters*, **2020**, 45, 3435-3438	3	5
303	□°□■□■□°□ **2020**, 22,		2
302	Ancient Roman technology of aluminum production: Process reconstruction. *Fine Chemical Technologies*, **2020**, 14, 31-38	0.5	
301	Comment on the paper "Thermodynamic evaluation and optimization of the (NaNO3 + KNO3 + Na2SO4 + K2SO4) system" by Ch. Robelin, P. Chartrand, A.D. Pelton, published in J. Chem. Therm. 83 (2015) 12–26. *Journal of Chemical Thermodynamics*, **2020**, 149, 106178	2.9	0
300	Hydrophobic up-conversion carboxylated nanocellulose/fluoride phosphor composite films modified with alkyl ketene dimer. *Carbohydrate Polymers*, **2020**, 250, 116866	10.3	3

299	Mechanisms of Upconversion Luminescence in BaF2–HoF3 Crystals under Excitation to the 5I5 Level of Ho3+ Ions. *Inorganic Materials*, **2020**, 56, 1033-1038	0.9	
298	Absorption spectrum of dark purple fluorite, Kent deposit, Kazakhstan. *Journal of Fluorine Chemistry*, **2020**, 240, 109654	2.1	3
297	Determining the Photophysical Parameters of NaGdF4:Eu Solid Solutions in Suspensions Using the Judd–Ofelt Theory. *JETP Letters*, **2020**, 111, 525-531	1.2	1
296	Down-conversion luminescence of Yb3+ in novel Ba4Y3F17:Yb:Ce solid solution by excitation of Ce3+ in UV spectral range. *Optical Materials*, **2020**, 108, 110185	3.3	5
295	Search for Flux Media for Crystallization of Epitaxial Fluorite Layers. *Crystallography Reports*, **2020**, 65, 647-652	0.6	
294	Thermophysical Properties of Single Crystals of CaF2–SrF2–RF3 (R = Ho, Pr) Fluorite Solid Solutions. *Inorganic Materials*, **2020**, 56, 975-981	0.9	2
293	Synthesis of inorganic fluorides in molten salt fluxes and ionic liquid mediums. *Journal of Fluorine Chemistry*, **2019**, 227, 109374	2.1	17
292	Morphotropism of Rare-Earth Orthoborates RBO3. *Journal of Structural Chemistry*, **2019**, 60, 679-691	0.9	10
291	Spectral kinetic study of four-component BaF2–ZnF2–CdF2-YbF3 fluoride ceramics by selective laser excitation. *Optical Materials*, **2019**, 94, 113-120	3.3	3
290	Comment on the paper: Scott J. McCormack, Kuo-Pin Tseng, Richard Weber et al “In situ determination of the HfO2–Ta2O5-temperature phase diagram up to 3000°C”. *Journal of the American Ceramic Society*, **2019**, 102, 7026-7027	3.8	3
289	Synthesis and down-conversion luminescence investigation of CaF2:Yb:Ce powders for photonics. *Journal of Fluorine Chemistry*, **2019**, 222-223, 46-50	2.1	4
288	Growth of RE2O4 Crystals from Solution in LiF–NaF Melt and Study of Phase Equilibria. *Crystal Research and Technology*, **2019**, 54, 1800267	1.3	1
287	Absorption Spectra of Single Crystals and Optical Ceramics of Fluorite in the THz and IR Ranges. *Doklady Physics*, **2019**, 64, 271-275	0.8	2
286	Synthesis and Luminescence of Sr1 – x – yYbxEuyF2 + x + y Solid Solutions for Photonics. *Inorganic Materials*, **2019**, 55, 1031-1038	0.9	
285	Relationship between the Faceting of Crystals and Their Formation Mechanism. *Doklady Physics*, **2019**, 64, 353-355	0.8	7
284	Nanocomposites of Cellulose with Up-Conversion Phosphors for Photonics: Synthesis, Structure, Optical Properties. *Vestnik RFFI*, **2019**, 59-77	0.1	
283	Prospective visible laser active media based on disordered fluorite-type structure crystals. *EPJ Web of Conferences*, **2019**, 220, 03024	0.3	1
282	Tunable upconversion luminescence of SrF2: Er,Tm phosphors. *Journal of Physics: Conference Series*, **2019**, 1410, 012121	0.3	

281	Upconversion luminescence of CaF2-SrF2-ErF3 single crystals upon 1.5 μm laser excitation. *Journal of Physics: Conference Series*, **2019**, 1410, 012086	0.3	3
280	Mullite Synthesis from High-Temperature Solution. *Inorganic Materials*, **2019**, 55, 1151-1155	0.9	
279	Low-Frequency Raman Lines as an Indicator of the Presence of Lead in Oxide Materials. *Russian Journal of Inorganic Chemistry*, **2019**, 64, 1442-1445	1.5	1
278	Composite up-conversion luminescent films containing a nanocellulose and SrF2:Ho particles. *Cellulose*, **2019**, 26, 2403-2423	5.5	8
277	Preparation of NaREF4 phases from the sodium nitrate melt. *Journal of Fluorine Chemistry*, **2019**, 218, 69-75	2.1	7
276	Comment on The Complexity of the CaF2:Yb System: A Huge, Reversible, X-ray-Induced Valence Reduction. *Journal of Physical Chemistry C*, **2018**, 122, 10657-10657	3.8	
275	Synthesis and luminescence studies of CaF2:Yb:Pr solid solutions powders for photonics. *Journal of Fluorine Chemistry*, **2018**, 211, 70-75	2.1	16
274	Phase Diagram of LiF-Li3PO4 System: A New Mechanism of Heterovalent Anionic Isomorphism. *MRS Advances*, **2018**, 3, 1309-1317	0.7	
273	Up-conversion quantum yields of SrF2:Yb3+,Er3+ sub-micron particles prepared by precipitation from aqueous solution. *Journal of Materials Chemistry C*, **2018**, 6, 598-604	7.1	38
272	BaOB2O3 system and its mysterious member Ba3B2O6. *Journal of the American Ceramic Society*, **2018**, 101, 450-457	3.8	13
271	Infrared-to-visible upconversion luminescence in SrF2:Er powders upon excitation of the 4I13/2 level. *Optical Materials Express*, **2018**, 8, 1863	2.6	14
270	The Melt of Sodium Nitrate as a Medium for the Synthesis of Fluorides. *Inorganics*, **2018**, 6, 38	2.9	19
269	Synthesis and Luminescence Characteristics of LaF3:Yb:Er Powders Produced by Coprecipitation from Aqueous Solutions. *Russian Journal of Inorganic Chemistry*, **2018**, 63, 293-302	1.5	5
268	Phase Equilibria in LiYF4–LiLuF4 System and Heat Conductivity of LiY1 – x Lu x F4 Single Crystals. *Russian Journal of Inorganic Chemistry*, **2018**, 63, 433-438	1.5	6
267	Flintstone as a nanocomposite material for photonics. *Nanosystems: Physics, Chemistry, Mathematics*, **2018**, 9, 603-608	1.8	2
266	Synthesis and quantum yield investigations of the Sr(1-x-y)Pr(x)Yb(y)F(2+x+y) luminophores for photonics. *Nanosystems: Physics, Chemistry, Mathematics*, **2018**, 663-668	1.8	3
265	Upconversion Luminescence of Fluoride Phosphors SrF2:Er,Yb under Laser Excitation at 1.5 μm. *Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)*, **2018**, 125, 537-542	0.7	6
264	Comment on the article BiF3:Ho3+ System for Upconversion of 2-μm Laser Radiation into Visible Emission of authors A. P. Savikin, A. S. Egorov, A. V. Budruev, and I. A. Grishin [Russian Journal of Applied Chemistry 89 (2), 337–340 (2016)]. *Russian Journal of Applied Chemistry*, **2018**, 91, 1729-1731	0.8	1

263	Morphological Stability of the Solid–Liquid Interface during Melt Crystallization of Ca1–xSrxF2 Solid Solution. *Crystallography Reports*, **2018**, 63, 837-843	0.6	4
262	Optical study of calcium precipitates in additively colored CaF2 crystals. *Journal of the Optical Society of America B: Optical Physics*, **2018**, 35, 1288	1.7	7
261	Thermal stability of Ba1-xCaxF2 solid solutions. *Solid State Sciences*, **2018**, 83, 188-191	3.4	1
260	Diamond-EuF3 nanocomposites with bright orange photoluminescence. *Diamond and Related Materials*, **2017**, 72, 47-52	3.5	26
259	Phase equilibria in the ternary reciprocal system Li, Ba // BO2, F and growth of bulk β-BaB2O4 crystals. *Journal of Applied Crystallography*, **2017**, 50, 22-29	3.8	3
258	Thermal conductivity of single crystals of Ba1 – x Rx F2 + x (R = La, Ce, Nd, or Gd) solid solutions. *Crystallography Reports*, **2017**, 62, 283-287	0.6	3
257	Upconversion luminescence of Ca1–xHoxF2+xand Sr0.98–xEr0.02HoxF2.02+xpowders upon excitation by an infrared laser. *Laser Physics Letters*, **2017**, 14, 076003	1.5	16
256	Extension rules. *Russian Journal of Inorganic Chemistry*, **2017**, 62, 558-562	1.5	1
255	Ionic conductivity of BaF2 + ZnF2 + CdF2 + YbF3 optical fluoride ceramic. *Inorganic Materials*, **2017**, 53, 313-317	0.9	1
254	Indium iodides. *Russian Chemical Reviews*, **2017**, 86, 240-268	6.8	7
253	Is Geometric Frustration-Induced Disorder a Recipe for High Ionic Conductivity?. *Journal of the American Chemical Society*, **2017**, 139, 5842-5848	16.4	38
252	Preparation of nanodispersed fluorite-type Sr1–xRxF2+x (R=Er, Yb, Ho) phases from citrate solutions. *Journal of Fluorine Chemistry*, **2017**, 194, 8-15	2.1	12
251	Low-temperature phase formation in CaF2–HoF3 system. *Russian Journal of Inorganic Chemistry*, **2017**, 62, 1173-1176	1.5	3
250	Preparation and properties of methylcellulose/nanocellulose/CaF2 polymer-inorganic composite films for two-micron radiation visualizers. *Journal of Fluorine Chemistry*, **2017**, 202, 9-18	2.1	13
249	Acousto-optic interaction in an InI single crystal. *Doklady Physics*, **2017**, 62, 407-410	0.8	1
248	Phase equilibria in systems of gallium sulfate with lithium or sodium sulfate. *Russian Journal of Inorganic Chemistry*, **2017**, 62, 1508-1513	1.5	3
247	Stabilization of the β-YF3 structure type by isomorphous substitutions. *Inorganic Materials*, **2017**, 53, 1307-1311	0.9	4
246	Inverse correlation between the ionic and thermal conductivities of single crystals of M1 – x Rx F2 + x (M = Ca, Ba; R – rare-earth element) fluorite solid solutions. *Inorganic Materials*, **2017**, 53, 626-632	0.9	4

245	Stabilization of high-temperature disorder of fluorine sublattice by quenching in calcium fluoride crystals. *Journal of Fluorine Chemistry*, **2017**, 200, 109-114	2.1	8
244	Thermal conductivity and expansion of PbF2 single crystals. *Ionics*, **2017**, 23, 233-239	2.7	26
243	Structural chemistry of fluoride and mixed-ligand fluoride complexes of gallium(III). *Reviews in Inorganic Chemistry*, **2017**, 37, 147-184	2.4	5
242	Synthesis of CaF2–YF3 nanopowders by coprecipitation from aqueos solutions. *Nanosystems: Physics, Chemistry, Mathematics*, **2017**, 462-470	1.8	2
241	The solubility of sodium and potassium fluorides in strontium fluoride. *Nanosystems: Physics, Chemistry, Mathematics*, **2017**, 830-834	1.8	3
240	Single-crystalline InI Material for infrared optics. *Doklady Physics*, **2016**, 61, 261-265	0.8	3
239	Upconversion microparticles as time-resolved luminescent probes for multiphoton microscopy: desired signal extraction from the streaking effect. *Journal of Biomedical Optics*, **2016**, 21, 96002	3.5	13
238	Irradiation behavior of ytterbium-doped calcium fluoride crystals and ceramics. *Inorganic Materials*, **2016**, 52, 842-850	0.9	3
237	Au Cu Phase Diagram. *Russian Journal of Inorganic Chemistry*, **2016**, 61, 772-775	1.5	29
236	Diagram of the PbF2–SnF2 system. *Russian Journal of Inorganic Chemistry*, **2016**, 61, 239-242	1.5	3
235	Elaboration of Nanofluorides and Ceramics for Optical and Laser Applications **2016**, 7-31		6
234	Study of response of scintillation detector based on BaF2 crystals and nanoceramics. *Physics of Particles and Nuclei Letters*, **2016**, 13, 104-111	0.5	1
233	Comment on the paper by T. K. Thirumalaisamy, R. Saravanan, S. Saravanakumar The redistribution of charge density in CaF2:Yb3+ J. Mater Sci: Mater Electron, v. 26, p. 6683 (2015). *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 7722-7723	2.1	
232	Mesostructure of yttrium and aluminum basic salts coprecipitated from aqueous solutions under ultrasonic treatment. *Journal of Surface Investigation*, **2016**, 10, 177-186	0.5	1
231	New Sr1 Rx(NH4)zF2+x (R Yb, Er) solid solution as precursor for high efficiency up-conversion luminophor and optical ceramics on the base of strontium fluoride. *Materials Chemistry and Physics*, **2016**, 172, 150-157	4.4	22
230	Absorption and luminescence spectra of CeF3-doped BaF2 single crystals and nanoceramics. *Inorganic Materials*, **2016**, 52, 213-217	0.9	14
229	Structural chemistry of anionic fluoride and mixed-ligand fluoride complexes of indium(III). *Reviews in Inorganic Chemistry*, **2016**, 36,	2.4	8
228	NaYF 4 :Yb:Er@AlPc(C 2 O 3) 4 -Based efficient up-conversion luminophores capable to generate singlet oxygen under IR excitation. *Journal of Fluorine Chemistry*, **2016**, 182, 104-108	2.1	5

227	Derivation of the Simon equation. *Doklady Physics*, **2016**, 61, 427-428	0.8	1
226	Morphological stability of the solid-liquid interface during melt crystallization of Pb1− Cd x F2 solid solution. *Crystallography Reports*, **2016**, 61, 512-516	0.6	2
225	Phase diagram of the NaF–CaF2 system and the electrical conductivity of a CaF2-based solid solution. *Russian Journal of Inorganic Chemistry*, **2016**, 61, 1472-1478	1.5	10
224	Low-temperature phase formation in the BaF2-CeF3 system. *Journal of Fluorine Chemistry*, **2016**, 187, 33-39	2.1	13
223	Luminescence of Ba1− La x F2 + x : Ce3+ crystals. *Doklady Physics*, **2016**, 61, 50-54	0.8	1
222	Thermal expansion of InI crystal. *Doklady Physics*, **2016**, 61, 374-376	0.8	2
221	Stability of the solid–liquid interface under constitutional undercooling in the crystal growth of TlCl–TlBr and TlBr–TlI solid solutions. *Inorganic Materials*, **2015**, 51, 903-907	0.9	2
220	Self-organization of color centers in holograms recorded in additively colored CaF2 crystals. *Optical Materials*, **2015**, 47, 190-195	3.3	6
219	Electronic structure, magnetic and optical properties of the Ba7(BO3)4F2+3 crystal. *Journal of Solid State Chemistry*, **2015**, 229, 358-365	3.3	7
218	Polymorphism of lead oxoborate. *Thermochimica Acta*, **2015**, 612, 34-39	2.9	
217	Investigation of the mechanisms of upconversion luminescence in Ho3+ doped CaF2 crystals and ceramics upon excitation of 5I7 level. *Journal of Luminescence*, **2015**, 167, 120-125	3.8	24
216	Chemical reactions and phase equilibria in BaB2O4-MF (M = Li, N, or K) systems. *Russian Journal of Inorganic Chemistry*, **2015**, 60, 318-323	1.5	3
215	Thermophysical characteristics of Ca1− Sr x F2 solid-solution Crystals (0 x 1). *Crystallography Reports*, **2015**, 60, 116-122	0.6	15
214	Temperature influence on diode pumped Er:CaF2laser **2015**,		2
213	Features of anionic isomorphism in fluoride borates. *Journal of Structural Chemistry*, **2015**, 56, 85-91	0.9	3
212	Basic features and crystal-growth scenarios based on the mechanism of oriented attachment growth of nanoparticles. *Doklady Physics*, **2015**, 60, 483-485	0.8	5
211	Indium monoiodide: Preparation and deep purification. *Russian Journal of Inorganic Chemistry*, **2015**, 60, 1333-1336	1.5	4
210	Heat conductivity of Ca1-x R x F2+x (R = La, Ce, or Pr; 0 x 0.25) heterovalent solid solutions. *Crystallography Reports*, **2015**, 60, 744-748	0.6	8

209	Transparent oxyfluoride glass ceramics. *Journal of Fluorine Chemistry*, **2015**, 172, 22-50	2.1	210
208	Effect of the pH on the formation of NaYF4:Yb:Er nanopowders by co-crystallization in presence of polyethyleneimine. *Journal of Fluorine Chemistry*, **2014**, 158, 60-64	2.1	7
207	Soft chemistry synthesis of powders in the BaF2-ScF3 system. *Russian Journal of Inorganic Chemistry*, **2014**, 59, 773-777	1.5	6
206	Spectroscopic and laser properties of Tm3+ ions in fluoride crystals and ceramics. **2014**,		2
205	Visualiser of two-micron laser radiation based on Ho:CaF2crystals. *Quantum Electronics*, **2014**, 44, 602-60	58	21
204	Nucleation and growth of fluoride crystals by agglomeration of the nanoparticles. *Journal of Crystal Growth*, **2014**, 401, 63-66	1.6	14
203	Di- and trivalent ytterbium distributions along a melt-grown CaF2 crystal. *Inorganic Materials*, **2014**, 50, 733-737	0.9	7
202	Microstructure and scintillation characteristics of BaF2 ceramics. *Inorganic Materials*, **2014**, 50, 738-744	0.9	8
201	Phase equilibria in MF2-YbF3-ScF3 (M = Cd or Mg) systems and isomorphic substitutions stabilizing YF3 type structures. *Russian Journal of Inorganic Chemistry*, **2014**, 59, 595-599	1.5	4
200	Thermal conductivity of single crystals of the Ca1 x Y x F2 + x solid solution. *Doklady Physics*, **2014**, 59, 199-202	0.8	10
199	White light luminophores based on Yb3+/Er3+/Tm3+-coactivated strontium fluoride powders. *Materials Chemistry and Physics*, **2014**, 148, 201-207	4.4	25
198	Comment on the paper, Experimental evaluation and thermodynamic assessment of the LiF LuF3 phase diagram by I.A. dos Santos, D. Klimm, S.L. Baldochi, and I.M. Ranieri. *Thermochimica Acta*, **2014**, 578, 33-34	2.9	3
197	Oriented attachment of particles: 100 years of investigations of non-classical crystal growth. *Russian Chemical Reviews*, **2014**, 83, 1204-1222	6.8	141
196	New type of ternary reciprocal system: Na,Ba?BO2,F system. *Russian Journal of Inorganic Chemistry*, **2014**, 59, 1507-1511	1.5	1
195	Synthesis of SrF2 YF3 nanopowders by co-precipitation from aqueous solutions. *Mendeleev Communications*, **2014**, 24, 360-362	1.9	34
194	Diode pumped tunable lasers based on Tm:CaF2and Tm:Ho:CaF2ceramics **2014**,		7
193	Phase formation in LaF3 NaGdF4, NaGdF4 NaLuF4, and NaLuF4 NaYF4 systems: Synthesis of powders by co-precipitation from aqueous solutions. *Journal of Fluorine Chemistry*, **2014**, 161, 95-101	2.1	26
192	Preparation of barium monohydrofluoride BaF2 HF from nitrate aqueous solutions. *Materials Research Bulletin*, **2014**, 49, 199-205	5.1	12

191	Temperature influence on Tm:Ho:CaF2 spectroscopy and laser properties **2014**,		1
190	Thermal expansion of solid solutions based on calcium and barium fluorides. *Inorganic Materials*, **2013**, 49, 525-527	0.9	10
189	Thermodynamic properties of Ca1 □x Er x F2 + x and Ca1 □x Yb x F2 + x heterovalent solid solutions. *Inorganic Materials*, **2013**, 49, 325-328	0.9	3
188	Heat capacity and thermodynamic properties of Ba0.7La0.3F2.3 solid solution from 5 to 1000K. *Thermochimica Acta*, **2013**, 558, 1-5	2.9	4
187	Phase diagrams of the systems Ln2S3-Ln2O3 (Ln = Gd, Dy). *Russian Journal of Inorganic Chemistry*, **2013**, 58, 724-727	1.5	7
186	Thermal conductivity of FeS2 pyrite crystals in the temperature range 50□00 K. *Crystallography Reports*, **2013**, 58, 319-321	0.6	11
185	Synthesis and characterization of fluoride xerogels. *Inorganic Materials*, **2013**, 49, 1152-1156	0.9	5
184	Thermal conductivity of single crystals of M1□ M x ?F2 (M = Ca, Sr; M? = Mn, Co) isovalent solid solutions. *Inorganic Materials*, **2013**, 49, 427-429	0.9	
183	CaF2:Yb laser ceramics. *Optical Materials*, **2013**, 35, 444-450	3.3	78
182	Two-dimensional metal nano-particles and layers in dielectric calcium fluoride crystals. *Applied Surface Science*, **2013**, 267, 112-114	6.7	10
181	Search for compounds of the NaBaR(BO3)2 family (R = La, Nd, Gd, and Yb) and the new NaBaYb(BO3)2 orthoborate. *Crystallography Reports*, **2013**, 58, 54-60	0.6	8
180	Progress in fluoride laser ceramics. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2013**, 10, 952-957		24
179	Additive colouring of CaF2:Yb crystals: determination of Yb2+ concentration in CaF2:Yb crystals and ceramics. *Applied Physics B: Lasers and Optics*, **2013**, 111, 551-557	1.9	12
178	Spectroscopic, luminescent and laser properties of nanostructured CaF2:Tm materials. *Optical Materials*, **2013**, 35, 1859-1864	3.3	18
177	A new mechanism of anionic substitution in fluoride borates. *Journal of Applied Crystallography*, **2013**, 46, 1081-1084	3.8	17
176	Resonantly diode pumping of Tm:CaF2 and Tm:Ho:CaF2 lasers **2013**,		2
175	Fluoride laser ceramics **2013**, 82-109		7
174	Diode-pumped Er:CaF2 ceramic 2.7 □m tunable laser. *Optics Letters*, **2013**, 38, 3406-9	3	43

173	Co-precipitation of yttrium and barium fluorides from aqueous solutions. *Materials Research Bulletin*, **2012**, 47, 1794-1799	5.1	54
172	Investigation of Nd3+ ions spectroscopic and laser properties in SrF2 fluoride single crystal. *Optical Materials*, **2012**, 34, 799-802	3.3	30
171	Thermal conductivity of LaF3-based single crystals and ceramics. *Inorganic Materials*, **2012**, 48, 304-308	0.9	7
170	Synthesis of ultrafine fluorite Sr1 − x Nd x F2 + x powders. *Inorganic Materials*, **2012**, 48, 531-538	0.9	11
169	Thermal conductivity of Ca1 − x Ho x F2 + x optical ceramics. *Inorganic Materials*, **2012**, 48, 857-860	0.9	9
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