

Denis Karimov

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Ytterbium difluoride YbF ₂ : Preparation, structure, properties. Journal of Crystal Growth, 2022, 582, 126521.	0.7	0
2	The High-Energy Milling Preparation and Spectroscopic Characterization of Rare-Earth Ions Doped BaY ₂ F ₈ Nanoparticles. Crystals, 2022, 12, 599.	1.0	0
3	Pulsed laser reshaping and fragmentation of upconversion nanoparticles from hexagonal prisms to 1D nanorods through "Medusa"-like structures. Nano Research, 2021, 14, 1141-1148.	5.8	6
4	Disordered Magnetic Interlayer Ordering in a [Fe(3.0 nm)/Cr(1.2 nm)] ₁₀ Structure Revealed by Synchrotron Mössbauer Reflectometry with Polarization Analysis. JETP Letters, 2021, 113, 162-168.	0.4	4
5	Growth Peculiarities and Properties of KR ₃ F ₁₀ (R = Y, Tb) Single Crystals. Crystals, 2021, 11, 285.	1.0	13
6	Displacements in the Cationic Motif of Nonstoichiometric Fluorite Phases Ba _{1-x} R _x F _{2+x} as a Result of the Formation of {Ba ₈ [R ₆ F ₈]} Clusters: III. Defect Cluster Structure of the Nonstoichiometric Phase Ba _{0.69} La _{0.31} F _{2.31} and Its Dependence on Heat Treatment. Crystals, 2021, 11, 447.	1.0	6
7	Magnetic circular dichroism of 5I ₈ , 5F ₃ , 5F ₂ and 3K ₈ transitions in Na _{0.4} Ho _{0.6} F _{2.2} single crystal. Optical Materials, 2021, 114, 110953.	1.7	2
8	Influence of Temperature on the Defect Structure of the Fluorite Sr _{1-x} La _x F _{2+x} (x = 0.11-0.33) Single Crystals. Crystallography Reports, 2021, 66, 394-399.	0.1	0
9	Growth of KR ₃ F ₁₀ (R = Tb-Er) Crystals by the Vertical Directional Crystallization Technique. I: Optimization of the Melt Composition for the Growth of KTb ₃ F ₁₀ and Correction of the Phase Diagram of the K ₂ TbF ₃ System. Crystallography Reports, 2021, 66, 535-540.	0.1	4
10	La _{1-y} BayF _{3+y} Solid Solution Crystals as an Effective Solid Electrolyte: Growth and Properties. Crystals, 2021, 11, 629.	1.0	9
11	Refinement of the Congruently Melting Composition of Nonstoichiometric Fluorite Crystals Ca _{1-x} Y _x F _{2+x} (x = 0.01-0.14). Crystals, 2021, 11, 696.	1.0	1
12	Zeeman splitting features of electronic states of rare earth ions in TbF ₃ crystal. Optical Materials, 2021, 117, 111141.	1.7	3
13	Bridgman Growth and Physical Properties Anisotropy of CeF ₃ Single Crystals. Crystals, 2021, 11, 793.	1.0	9
14	Conductivity of R _{1-y} PbyF _{3+y} (R = Pr, Nd) Solid Electrolytes with the Tysonite Structure. Russian Journal of Electrochemistry, 2021, 57, 833-839.	0.3	0
15	Dispersion of optical and magneto-optical properties in a biaxial TbF ₃ crystal. Laser Physics Letters, 2021, 18, 115801.	0.6	4
16	Growth of the KR ₃ F ₁₀ (R = Tb-Er) Compounds by the Vertical Directional Crystallization Method. II. Refinement of the Character of Melting, Growth, and Some Physical Properties of KDy ₃ F ₁₀ Crystals. Crystallography Reports, 2021, 66, 1133-1137.	0.1	2
17	Anisotropy of Anionic Conductivity in Single Crystals of CeF ₃ Superionic Conductor. Physics of the Solid State, 2021, 63, 1541-1545.	0.2	5
18	Study of the Axial Distribution of Components of Sr _{1-x} Tbx _x F _{2+x} Solid Solution Crystals during Their Directional Crystallization from Melt. Crystallography Reports, 2021, 66, 1138-1142.	0.1	0

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19	Crystallophysical Model of Ion Transport in Single-Crystal $Ba_{1-x}La_xF_{2+x}$ and $Ca_{1-x}Y_xF_{2+x}$ Superionic Conductors. <i>Physics of the Solid State</i> , 2021, 63, 1821-1832.	0.2	3
20	Thermal lens investigation in $EuF_{2.11}$, PrF_3 , and $Na_{0.38}Ho_{0.62}F_{2.24}$ crystals for magneto-optical applications. <i>Optical Materials</i> , 2020, 99, 109542.	1.7	11
21	Nanostructured Crystals of Fluorite Phases $Sr_{1-x}R_xF_{2+x}$ (R Are Rare-Earth Elements) and Their Ordering. 16: Defect Structure of the Nonstoichiometric Phases $Sr_{1-x}R_xF_{2+x}$ (R = Pr, Tb–Yb) As Grown. <i>Crystallography Reports</i> , 2020, 65, 560-565.	0.1	5
22	$75LiF + 25SmF_3$ Eutectic Composite and Ionic Conductivity of SmF_3 near the Polymorphic $\hat{I} \leftrightarrow \hat{I}^2$ Transition. <i>Crystallography Reports</i> , 2020, 65, 468-472.	0.1	2
23	Anharmonicity of Lattice Vibrations and the Thermal Properties of $Cd_{1-x}Sr_xF_2$ Solid Solutions. <i>Physics of the Solid State</i> , 2020, 62, 714-721.	0.2	2
24	Growth of Crystals of Solid Solutions with Tysonite Structure in the PbF_2-RF_3 Systems (R = Pr, Nd). <i>Crystallography Reports</i> , 2020, 65, 147-151.	0.1	5
25	Upconversion Nanoparticles: Synthesis, Photoluminescence Properties, and Applications. <i>Nanotechnologies in Russia</i> , 2020, 15, 655-678.	0.7	8
26	Effect of Heat Treatment in a \hat{D}_4 Atmosphere on the Ion-Conductive Properties of Hot-Pressed 95 mol % CeF_3 – 5 mol % SrF_2 Ceramics. <i>Crystallography Reports</i> , 2019, 64, 105-109.	0.1	3
27	Fluorine-Ionic Conductivity of Superionic Conductor Crystals $Na_{0.37}Tb_{0.63}F_{2.26}$. <i>Crystallography Reports</i> , 2019, 64, 626-630.	0.1	3
28	Growth of $Sm_{1-y}Sr_yF_{3-\hat{y}}$ ($0 < y \leq 0.31$) Crystals and Investigation of Their Properties. <i>Crystallography Reports</i> , 2019, 64, 488-495.	0.1	2
29	Nanostructured Crystals of Fluorite Phases $Sr_{1-x}R_xF_{2+x}$ (R Are Rare-Earth Elements) and Their Ordering. 14: Concentration Dependence of the Defect Structure of Nonstoichiometric Phases $Sr_{1-x}Nd_xF_{2+x}$ As Grown ($x = 0.10, 0.25, 0.40, 0.50$). <i>Crystallography Reports</i> , 2019, 64, 216-221.	0.1	2
30	Anisotropy of Ionic Conductivity of TbF_3 Crystals. <i>Crystallography Reports</i> , 2019, 64, 621-625.	0.1	6
31	Polymerization Assisted by Upconversion Nanoparticles under NIR Light. <i>Molecules</i> , 2019, 24, 2476.	1.7	21
32	Growth from the Melt and Properties Investigation of ScF_3 Single Crystals. <i>Crystals</i> , 2019, 9, 371.	1.0	9
33	Crystal Growth and Thermal Conductivity of the Congruently Melting Solid Solution $Cd_{0.77}Sr_{0.23}F_2$. <i>Inorganic Materials</i> , 2019, 55, 495-499.	0.2	8
34	Growth and Some Physical Properties of Congruently Melting Fluorite Solid Solutions Crystals in the $CaF_2-SrF_2-RF_3$ (R = La, Ce) Systems. <i>Crystallography Reports</i> , 2019, 64, 834-840.	0.1	4
35	Magnetic linear birefringence of light in $Tb_3Ga_5O_{12}$. <i>Optical Materials</i> , 2019, 88, 103-110.	1.7	3
36	Nanostructured Crystals of Fluorite Phases $Sr_{1-x}R_xF_{2+x}$ (R Are Rare-Earth Elements) and Their Ordering. 13: Crystal Structure of SrF_2 and Concentration Dependence of the Defect Structure of Nonstoichiometric Phase $Sr_{1-x}La_xF_{2+x}$ As Grown ($x = 0.11, 0.20, 0.32, 0.37, 0.47$). <i>Crystallography Reports</i> , 2019, 64, 41-50.	0.1	8

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37	Growth of $\text{Eu}_{1-x}\text{La}_x\text{F}_3$ Single Crystals with Tysonite-Type (LaF_3) Structure and Investigation of the Concentration Dependence of Some Their Properties. Crystallography Reports, 2019, 64, 354-359.	0.1	3
38	Deferred Registration of Nanophosphor Photoluminescence As a Platform for Optical Bioimaging. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2019, 126, 95-101.	0.2	2
39	Thermo-optical properties of EuF_2 -based crystals. Applied Physics Letters, 2019, 114, .	1.5	15
40	Nanostructured Crystals of Fluorite Phases $\text{Sr}_{1-x}\text{R}_x\text{F}_2$ (R Are Rare-Earth Elements) and Their Ordering. 15. Concentration Dependence of the Defect Structure of As Grown Nonstoichiometric Phases $\text{Sr}_{1-x}\text{R}_x\text{F}_2$ (R = Sm, Gd). Crystallography Reports, 2019, 64, 873-878.	0.1	2
41	Polarization selection in Mossbauer reflectivity for magnetic multilayer investigation. Journal of Physics: Conference Series, 2019, 1389, 012016.	0.3	2
42	EuF_2 -based crystals as media for high-power mid-infrared Faraday isolators. Scripta Materialia, 2019, 162, 54-57.	2.6	27
43	Mechanical Properties of DyF_3 Single Crystals. Crystallography Reports, 2019, 64, 942-946.	0.1	2
44	Nanostructured Crystals of Fluorite Phases $\text{Sr}_{1-x}\text{R}_x\text{F}_2$ and Their Ordering: 12. Influence of Structural Ordering on the Fluorine-Ion Conductivity of $\text{Sr}_{0.667}\text{R}_{0.333}\text{F}_2$ Alloys (R = Tb or Tm) at Their Annealing. Crystallography Reports, 2018, 63, 121-126.	0.1	5
45	Anisotropy of the Mechanical Properties of TbF_3 Crystals. Crystallography Reports, 2018, 63, 96-103.	0.1	5
46	Nanohybrid scaffolds with luminescent remote control. EPJ Web of Conferences, 2018, 190, 04022.	0.1	2
47	Growth of Fluorite Solid Solution Crystals in the Ternary SrF_2 - BaF_2 - LaF_3 System and Investigation of Their Properties. Crystallography Reports, 2018, 63, 1015-1021.	0.1	2
48	Increase in the Fluorine-Ion Conductivity of Single Crystals of Tysonite-type CeF_3 Superionic Conductor by Substituting Polarized Cd^{2+} Ions for Ce^{3+} Ions. Crystallography Reports, 2018, 63, 769-773.	0.1	4
49	Synthesis of Nonstoichiometric Samarium Fluoride $\text{SmF}_2 + x$. Crystallography Reports, 2018, 63, 774-779.	0.1	2
50	Investigation of the Magneto-Optical Properties of Europium Containing Fluorides. , 2018, , .		0
51	Thermal Expansion of $\text{EuF}_2 + x$ Single Crystals and Their Thermal Stability. Crystallography Reports, 2018, 63, 614-620.	0.1	3
52	Concentration Dependences of the Lattice Parameter and Density of $\text{Ca}_{1-x}\text{Sr}_x\text{F}_2$ (0 ≤ x ≤ 1) Solid Solution Crystals. Crystallography Reports, 2018, 63, 212-215.	0.1	2
53	Investigation of the Thermal Conductivity Terbium Gallium and Terbium Scandium Aluminum Garnet Crystals. Crystallography Reports, 2018, 63, 451-455.	0.1	6
54	Study of the influence of Tb-Sc-Al garnet crystal composition on Verdet constant. Optical Materials, 2017, 66, 106-109.	1.7	15

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55	Ternary crystals $Sr_{1-x}Eu_xF_{2+x}$ of fluorite phases with a variable europium valence and their thermal conductivity (50–300 K). Crystallography Reports, 2017, 62, 411-415.	0.1	5
56	Two-photon excitation of the anti-Stokes photoluminescence of $Ca_{1-x}Er_xF_{2+x}$ crystals. Physics of the Solid State, 2017, 59, 120-125.	0.2	3
57	Growth and magneto-optical properties of anisotropic TbF_3 single crystals. Journal of Applied Physics, 2017, 121, .	1.1	11
58	Terbium garnets for high average power Faraday isolators: Influence of composition, doping and high temperature annealing to the losses in the near-IR range. , 2017, , .		0
59	Ionic conductivity of ScF_3 single crystals (ReO ₃ type). Crystallography Reports, 2016, 61, 270-274.	0.1	6
60	Investigation of thermo-optical characteristics of magneto-active crystal Na _{0.37} Tb _{0.63} F _{2.26} . Optics Letters, 2015, 40, 4919.	1.7	32
61	Thermophysical characteristics of $Pb_{0.679}Cd_{0.321}F_2$ solid-solution crystals. Crystallography Reports, 2015, 60, 111-115.	0.1	7
62	Nanostructured crystals of fluorite phases $Sr_{1-x}R_xF_{2+x}$ (R Are Rare Earth Elements) and their ordering: 10. Ordering under spontaneous crystallization and annealing of $Sr_{1-x}R_xF_{2+x}$ Alloys (R) Tj ETQq0 00.rgBT /Overlock 10		
63	Thermophysical characteristics of $Ca_{1-x}Sr_xF_2$ solid-solution Crystals (0 ≤ x ≤ 1). Crystallography Reports, 2015, 60, 116-122.	0.1	21
64	Electrical and thermal conductivities of congruently melting single crystals of isovalent $M_{1-x}M^{2+}_xF_2$ solid solutions (M, M ²⁺ = Ca, Sr, Cd, Pb) in relation to their defect fluorite structure. Crystallography Reports, 2015, 60, 532-536.	0.1	9
65	Thermophysical characteristics of EuF_2 .136 crystal. Crystallography Reports, 2015, 60, 740-743.	0.1	7
66	Growth of MgF_2 optical crystals and their ionic conductivity in the as-grown state and after partial pyrohydrolysis. Crystallography Reports, 2014, 59, 928-932.	0.1	6
67	Nanostructured crystals of fluorite phases $Sr_{1-x}R_xF_{2+x}$ and their ordering: 9. The defect crystal and real structure of quenched fluorite phases $Sr_{1-x}Ce_xF_{2+x}$ (x = 0–0.5). Crystallography Reports, 2014, 59, 14-21.	0.1	8
68	Growth and magneto-optical properties of $Na_{0.37}Tb_{0.63}F_{2.26}$ cubic single crystal. Crystallography Reports, 2014, 59, 718-723.	0.1	25
69	Anion conductivity of a $Ce_{0.95}Gd_{0.05}O_{0.075}F_{2.85}$ solid electrolyte. Inorganic Materials, 2014, 50, 513-518.	0.2	4
70	Nanostructured crystals of fluorite phases $Sr_{1-x}R_xF_{2+x}$ and their ordering: VIII. Imperfect crystal structure of $Sr_{0.71}Ce_{0.29}F_{2.29}$. Crystallography Reports, 2013, 58, 678-681.	0.1	6
71	Coloring elimination in $Sr_{1-x}Ce_xF_{2+x}$ crystals in the visible spectral range during growth from melt. Crystallography Reports, 2013, 58, 755-759.	0.1	4
72	Spectral luminescence properties of $Ca_{1-x}Sr_xF_2:Ce^{3+}$ (0 < x < 1) crystals. Journal of Surface Investigation, 2012, 6, 416-419.	0.1	1

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73	Defect structure and ionic conductivity of $\text{Sr}_{1-x}\text{La}_x\text{F}_{2+x}$ ($x = 0.1 \text{--} 0.5$). Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C711-C712.	0.3	0
74	Spectroscopic investigations of wide-band fluoride crystals doped with ions of some rare-earth elements under X-ray excitation. Journal of Surface Investigation, 2011, 5, 43-47.	0.1	0
75	Nanostructured crystals of fluorite phases $\text{Sr}_{1-x}\text{R}_x\text{F}_{2+x}$ (R are rare-earth elements) and their ordering: IV. Study of the optical transmission spectra in the $2 \times 10^{-1} \text{--} 1.4 \mu\text{m}$ wavelength range. Crystallography Reports, 2010, 55, 122-126.	0.1	12
76	Growth and some properties of Ce^{3+} -doped LiYbF_4 single crystals. Crystallography Reports, 2010, 55, 324-327.	0.1	2
77	Electrophysical properties of LiYbF_4 crystals. Crystallography Reports, 2010, 55, 448-449.	0.1	7
78	Growth of congruently melting $\text{Ca}_{0.59}\text{Sr}_{0.41}\text{F}_2$ crystals and study of their properties. Crystallography Reports, 2010, 55, 518-524.	0.1	30
79	Single crystals of the fluorite nonstoichiometric phase $\text{Eu}_{0.916}\text{Eu}_{0.084}\text{F}_{2.084}$ (conductivity). Tj ETQq1 1 0.784314 rgBT / Over	0.1	12
80	Nanostructured crystals of fluorite phases $\text{Sr}_{1-x}\text{R}_x\text{F}_{2+x}$ (R are rare earth elements) and their ordering: 5. A study of the ionic conductivity of as-grown $\text{Sr}_{1-x}\text{R}_x\text{F}_{2+x}$ crystals. Crystallography Reports, 2010, 55, 662-667.	0.1	19
81	Calculation of the Refractive Indices of $\text{M}_{1-x}\text{R}_x\text{F}_{2+x}$ Crystals (M = Ca, Sr, Ba, Cd, Pb; R are Rare Earth) Tj ETQq1 1 0.784314 rgBT / O	0.1	11
82	10.1007/s11445-008-2016-0. , 2010, 53, 271.		0
83	Effect of heat treatment in HF atmosphere on the optical and electrical properties of BaF_2 ceramics. Inorganic Materials, 2009, 45, 1188-1192.	0.2	5
84	VUV spectroscopy of Ce^{3+} -doped $\text{Na}_{0.4}\text{Lu}_{0.6}\text{F}_{2.2}$ single crystals. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2009, 64, 141-145.	0.1	0
85	Nanostructured crystals of fluorite phases $\text{Sr}_{1-x}\text{R}_x\text{F}_{2+x}$ (R are rare-earth elements) and their ordering. I. Crystal growth of $\text{Sr}_{1-x}\text{R}_x\text{F}_{2+x}$ (R = Y, La, Ce, Pr, Nd, Sm, Gd, Tb, Dy, Ho, Er, Tm, Yb, and) Tj ETQq1 1 0.784314 rgBT / O	0.1	14
86	Defect structure and ionic conductivity of $\text{Ca}_{1-x}\text{Sc}_x\text{F}_{2+x}$ (0.02 $\leq x \leq$ 0.15) single crystals. Crystallography Reports, 2009, 54, 572-583.	0.1	4
87	Nanostructured crystals of fluorite phases $\text{Sr}_{1-x}\text{R}_x\text{F}_{2+x}$ (R = Y, La-Lu) and their ordering: Part III. A study of the refractive indices. Crystallography Reports, 2009, 54, 603-608.	0.1	24
88	Ionic conductivity of congruently melting $\text{Ca}_{0.6}\text{Sr}_{0.4}\text{F}_2$ and $\text{Ca}_{1-x}\text{Sr}_x\text{F}_{2+x}$ (R = La, Ce, Pr, Nd) single crystals with fluorite structure. Crystallography Reports, 2008, 53, 271-277.	0.1	8
89	Localization of plastic deformation in calcium fluoride crystals at elevated temperatures. Physics of the Solid State, 2008, 50, 665-669.	0.2	7
90	Vapor-phase growth of CdF_2 whiskers in the $\text{CdF}_2\text{-GaF}_3$ system. Crystallography Reports, 2007, 52, 170-173.	0.1	4

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91	UV and VUV spectroscopic study of Na _{0.4} Y _{0.6} F _{2.2} crystals doped with rare-earth ions. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2006, 101, 571-581.	0.2	5
92	Investigation of multicomponent fluoride optical materials in the UV spectral region: I. Single crystals of Ca _{1-x} R _x F _{2+x} (R = Sc, Y, La, Yb, Lu) solid solutions. Crystallography Reports, 2006, 51, 1009-1015.	0.1	12
93	Peculiarities of the growth of disordered Na, R-fluorite (R=Y, Ce-Lu) single crystals. Journal of Crystal Growth, 2002, 237-239, 899-903.	0.7	21
94	VUV spectroscopy of a new fluoride system NaF-(Er,Y)F ₃ . Optical Materials, 2001, 16, 437-444.	1.7	14