Denis Karimov

List of Publications by Year
in descending order

94 papers	656 citations	686830 13 h-index	752256 20 g-index
95 all docs	95 docs citations	95 times ranked	289 citing authors

#	Article	IF	Citations
1	Investigation of thermo-optical characteristics of magneto-active crystal Na_037Tb_063F_226. Optics Letters, 2015, 40, 4919.	1.7	32
2	Growth of congruently melting Ca0.59Sr0.41F2 crystals and study of their properties. Crystallography Reports, 2010, 55, 518-524.	0.1	30
3	EuF2-based crystals as media for high-power mid-infrared Faraday isolators. Scripta Materialia, 2019, 162, 54-57.	2.6	27
4	Nanostructured crystals of fluorite phases Sr1 â^' x R x F2 + x (R are rare-earth elements) and their ordering. I. Crystal growth of Sr1 â^' x R x F2 + x (R = Y, La, Ce, Pr, Nd, Sm, Gd, Tb, Dy, Ho, Er, Tm, Yb, and) Tj ETQq0 0 0 rgBT /Overlock 10	0.1	25
5	Growth and magneto-optical properties of Na0.37Tb0.63F2.26 cubic single crystal. Crystallography Reports, 2014, 59, 718-723.	0.1	25
6	Nanostructured crystals of fluorite phases Sr1 â^' x R x F2 + 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
7	Peculiarities of the growth of disordered Na, R-fluorite (R=Y, Ceâ€“Lu) single crystals. Journal of Crystal Growth, 2002, 237-239, 899-903.	0.7	21
8	Thermophysical characteristics of Ca1â^'x Sr x F2 solid-solution Crystals (0 â‰¤ x â‰¤ 1). Crystallography Reports, 2015, 60, 116-122.	0.1	21
9	Polymerization Assisted by Upconversion Nanoparticles under NIR Light. Molecules, 2019, 24, 2476.	1.7	21
10	Nanostructured crystals of fluorite phases Sr1 â^' x R x F2 + x (R are rare earth elements) and their ordering: 5. A study of the ionic conductivity of as-grown Sr1 â^' x R x F2 + x crystals. Crystallography Reports, 2010, 55, 662-667.	0.1	19
11	Study of the influence of Tb-Sc-Al garnet crystal composition on Verdet constant. Optical Materials, 2017, 66, 106-109.	1.7	15
12	Thermo-optical properties of EuF2-based crystals. Applied Physics Letters, 2019, 114, .	1.5	15
13	VUV spectroscopy of a new fluoride system NaFâ€“(Er,Y)F3. Optical Materials, 2001, 16, 437-444.	1.7	14
14	Growth Peculiarities and Properties of KR3F10 (R = Y, Tb) Single Crystals. Crystals, 2021, 11, 285.	1.0	13
15	Investigation of multicomponent fluoride optical materials in the UV spectral region: I. Single crystals of Ca1â^'x R xF2+x (R = Sc, Y, La, Yb, Lu) solid solutions. Crystallography Reports, 2006, 51, 1009-1015.	0.1	12
16	Nanostructured crystals of fluorite phases Sr1 â^' x R x F2 + x (R are rare-earth elements) and their ordering: IV. Study of the optical transmission spectra in the 2â€“17-Î¼m wavelength range. Crystallography Reports, 2010, 55, 122-126.	0.1	12
17	Single crystals of the fluorite nonstoichiometric phase Eu 0.916 2+ Eu 0.084 3+ F2.084 (conductivity,) Tj ETQq1 1 0.784314 rgBT /Ov	0.1	12
18	Calculation of the Refractive Indices of M 1-x R x F2+x Crystals (M = Ca, Sr, Ba, Cd, Pb; R are Rare Earth) Tj ETQq0 0 0 rgBT /Overlock 10	0.1	11

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19	Growth and magnetooptical properties of anisotropic TbF3 single crystals. Journal of Applied Physics, 2017, 121, .	1.1	11
20	Thermal lens investigation in EuF2.11, PrF3, and Na0.38Ho0.62F2.24 crystals for magnetooptical applications. Optical Materials, 2020, 99, 109542.	1.7	11
21	Electrical and thermal conductivities of congruently melting single crystals of isovalent M 1 â^' x Mâ€²xF2 solid solutions (M, Mâ€² = Ca, Sr, Cd, Pb) in relation to their defect fluorite structure. Crystallography Reports, 2015, 60, 532-536.	0.1	9
22	Growth from the Melt and Properties Investigation of ScF3 Single Crystals. Crystals, 2019, 9, 371.	1.0	9
23	La1â€“yBayF3â€“y Solid Solution Crystals as an Effective Solid Electrolyte: Growth and Properties. Crystals, 2021, 11, 629.	1.0	9
24	Bridgman Growth and Physical Properties Anisotropy of CeF3 Single Crystals. Crystals, 2021, 11, 793.	1.0	9
25	Ionic conductivity of congruently melting Ca0.6Sr0.4F2 and Ca1 â^' x â^' y Sr y R x F2 + x (R = La, Ce, Pr, Nd) single crystals with fluorite structure. Crystallography Reports, 2008, 53, 271-277.	0.1	8
26	Nanostructured crystals of fluorite phases Sr1 â^' x R x F2 + x and their ordering: 9. The defect crystal and real structure of quenched fluorite phases Sr1 â^' x Ce x F2 + x (x = 0â€“0.5). Crystallography Reports, 2014, 59, 14-21.	0.1	8
27	Crystal Growth and Thermal Conductivity of the Congruently Melting Solid Solution Cd0.77Sr0.23F2. Inorganic Materials, 2019, 55, 495-499.	0.2	8
28	Nanostructured Crystals of Fluorite Phases Sr1Ââ€“ÂxRxF2Â+Âx (R Are Rare-Earth Elements) and Their Ordering. 13: Crystal Structure of SrF2 and Concentration Dependence of the Defect Structure of Nonstoichiometric Phase Sr1Ââ€“ÂxLaxF2Â+Âx As Grown (x = 0.11, 0.20, 0.32, 0.37, 0.47). Crystallography Reports, 2019, 64, 41-50.	0.1	8
29	Upconversion Nanoparticles: Synthesis, Photoluminescence Properties, and Applications. Nanotechnologies in Russia, 2020, 15, 655-678.	0.7	8
30	Localization of plastic deformation in calcium fluoride crystals at elevated temperatures. Physics of the Solid State, 2008, 50, 665-669.	0.2	7
31	Electrophysical properties of LiYbF4 crystals. Crystallography Reports, 2010, 55, 448-449.	0.1	7
32	Thermophysical characteristics of Pb0.679Cd0.321F2 solid-solution crystals. Crystallography Reports, 2015, 60, 111-115.	0.1	7
33	Nanostructured crystals of fluorite phases Sr1 â^' x R x F2 + x (R Are Rare Earth Elements) and their ordering: 10. Ordering under spontaneous crystallization and annealing of Sr1 â^' x R x F2 + x Alloys (R) Tj ETQq1 1 0.784314 rgBT /Ov	0.1	7
34	Thermophysical characteristics of EuF2.136 crystal. Crystallography Reports, 2015, 60, 740-743.	0.1	7
35	Nanostructured crystals of fluorite phases Sr1â^'x R x F2+x and their ordering: VIII. Imperfect crystal structure of Sr0.71Ce0.29F2.29. Crystallography Reports, 2013, 58, 678-681.	0.1	6
36	Growth of MgF2 optical crystals and their ionic conductivity in the as-grown state and after partial pyrohydrolysis. Crystallography Reports, 2014, 59, 928-932.	0.1	6

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37	Ionic conductivity of ScF3 single crystals (ReO3 type). Crystallography Reports, 2016, 61, 270-274.	0.1	6
38	Investigation of the Thermal Conductivity Terbium Gallium and Terbium Scandium Aluminum Garnet Crystals. Crystallography Reports, 2018, 63, 451-455.	0.1	6
39	Anisotropy of Ionic Conductivity of TbF3 Crystals. Crystallography Reports, 2019, 64, 621-625.	0.1	6
40	Pulsed laser reshaping and fragmentation of upconversion nanoparticles â€" from hexagonal prisms to 1D nanorods through â€œMedusaâ€•like structures. Nano Research, 2021, 14, 1141-1148.	5.8	6
41	Displacements in the Cationic Motif of Nonstoichiometric Fluorite Phases Ba1â^'xRxF2+x as a Result of the Formation of {Ba8[R6F68â€“69]} Clusters: III. Defect Cluster Structure of the Nonstoichiometric Phase Ba0.69La0.31F2.31 and Its Dependence on Heat Treatment. Crystals, 2021, 11, 447.	1.0	6
42	UV and VUV spectroscopic study of Na0.4Y0.6F2.2 crystals doped with rare-earth ions. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2006, 101, 571-581.	0.2	5
43	Effect of heat treatment in HF atmosphere on the optical and electrical properties of BaF2 ceramics. Inorganic Materials, 2009, 45, 1188-1192.	0.2	5
44	Ternary crystals Sr1â^'y Eu yâ^'x 2+Eu x 3+F2+x of fluorite phases with a variable europium valence and their thermal conductivity (50â€"300 K). Crystallography Reports, 2017, 62, 411-415.	0.1	5
45	Nanostructured Crystals of Fluorite Phases Sr1 â€" xR x F2 + x and Their Ordering: 12. Influence of Structural Ordering on the Fluorine-Ion Conductivity of Sr0.667R0.333F2.333 Alloys (R = Tb or Tm) at Their Annealing. Crystallography Reports, 2018, 63, 121-126.	0.1	5
46	Anisotropy of the Mechanical Properties of TbF3 Crystals. Crystallography Reports, 2018, 63, 96-103.	0.1	5
47	Nanostructured Crystals of Fluorite Phases Sr1â€"xRxF2+x (R Are Rare-Earth Elements) and Their Ordering. 16: Defect Structure of the Nonstoichiometric Phases Sr1â€"xRxF2+x (R = Pr, Tbâ€"Yb) As Grown. Crystallography Reports, 2020, 65, 560-565.	0.1	5
48	Growth of Crystals of Solid Solutions with Tysonite Structure in the PbF2â€"RF3 Systems (R = Pr, Nd). Crystallography Reports, 2020, 65, 147-151.	0.1	5
49	Anisotropy of Anionic Conductivity in Single Crystals of CeF3 Superionic Conductor. Physics of the Solid State, 2021, 63, 1541-1545.	0.2	5
50	Vapor-phase growth of CdF2 whiskers in the CdF2-GaF3 system. Crystallography Reports, 2007, 52, 170-173.	0.1	4
51	Defect structure and ionic conductivity of Ca1 â^' x Sc x F2 + x (0.02 â‰¤ x â‰¤ 0.15) single crystals. Crystallography Reports, 2009, 54, 572-583.	0.1	4
52	Coloring elimination in Sr1 â^' x Ce x F2 + x crystals in the visible spectral range during growth from melt. Crystallography Reports, 2013, 58, 755-759.	0.1	4
53	Anion conductivity of a Ce0.95Gd0.05O0.075F2.85 solid electrolyte. Inorganic Materials, 2014, 50, 513-518.	0.2	4
54	Increase in the Fluorine-Ion Conductivity of Single Crystals of Tysonite-type CeF3 Superionic Conductor by Substituting Polarized Cd2+ Ions for Ce3+ Ions. Crystallography Reports, 2018, 63, 769-773.	0.1	4

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55	Growth and Some Physical Properties of Congruently Melting Fluorite Solid Solutions Crystals in the CaF2â€“SrF2â€“RF3 (R = La, Ce) Systems. Crystallography Reports, 2019, 64, 834-840.	0.1	4
56	Đ¡anted Magnetic Interlayer Ordering in a [Fe(3.0 nm)/Cr(1.2 nm)]10 Structure Revealed by Synchrotron MÃ¶ssbauer Reflectometry with Polarization Analysis. JETP Letters, 2021, 113, 162-168.	0.4	4
57	Growth of KR3F10 (R = Tbâ€“Er) Crystals by the Vertical Directional Crystallization Technique. I: Optimization of the Melt Composition for the Growth of KTb3F10 and Correction of the Phase Diagram of the KFâ€“TbF3 System. Crystallography Reports, 2021, 66, 535-540.	0.1	4
58	Dispersion of optical and magneto-optical properties in a biaxial TbF₃ crystal. Laser Physics Letters, 2021, 18, 115801.	0.6	4
59	Two-photon excitation of the anti-Stokes photoluminescence of Ca1â€“x Er x F2 + x crystals. Physics of the Solid State, 2017, 59, 120-125.	0.2	3
60	Thermal Expansion of EuF2 + x Single Crystals and Their Thermal Stability. Crystallography Reports, 2018, 63, 614-620.	0.1	3
61	Effect of Heat Treatment in a Đ¡F4 Atmosphere on the Ion-Conductive Properties of Hot-Pressed 95 mol % CeF3 Ã— 5 mol % SrF2 Ceramics. Crystallography Reports, 2019, 64, 105-109.	0.1	3
62	Fluorine-Ionic Conductivity of Superionic Conductor Crystals Na0.37Tb0.63F2.26. Crystallography Reports, 2019, 64, 626-630.	0.1	3
63	Magnetic linear birefringence of light in Tb3Ga5O12. Optical Materials, 2019, 88, 103-110.	1.7	3
64	Growth of $${ext{N}}{{{ext{d}}}_{{{ext{1}}}; - ;y}}}{ext{Eu}}_{y}^{{{ext{2}}} + }}{{{ext{F}}}_{{{ext{3}}}; - ;y}}}$$ Single Crystals with Tysonite-Type (LaF3) Structure and Investigation of the Concentration Dependence of Some Their Properties. Crystallography Reports, 2019, 64, 354-359.	0.1	3
65	Zeeman splitting features of electronic states of rare earth ions in TbF3 crystal. Optical Materials, 2021, 117, 111141.	1.7	3
66	Crystallophysical Model of Ion Transport in Single-Crystal Ba1Ââ€“ÂxLaxF2Â+Âx and Ca1Ââ€“ÂxYxF2Â+Âx Superionic Conductors. Physics of the Solid State, 2021, 63, 1821-1832.	0.2	3
67	Growth and some properties of Ce3+-doped LiYbF4 single crystals. Crystallography Reports, 2010, 55, 324-327.	0.1	2
68	Nanohybrid scaffolds with luminescent remote control. EPJ Web of Conferences, 2018, 190, 04022.	0.1	2
69	Growth of Fluorite Solid Solution Crystals in the Ternary SrF2â€“BaF2â€“LaF3 System and Investigation of Their Properties. Crystallography Reports, 2018, 63, 1015-1021.	0.1	2
70	Synthesis of Nonstoichiometric Samarium Fluoride SmF2 + x. Crystallography Reports, 2018, 63, 774-779.	0.1	2
71	Concentration Dependences of the Lattice Parameter and Density of Ca1 â€“ xSrxF2 (0 â‰¤ x â‰¤ 1) Solid Solution Crystals. Crystallography Reports, 2018, 63, 212-215.	0.1	2
72	Growth of Sm1Ââ€“ÂySryF3Ââ€“Ây (0 < y â‰¤ 0.31) Crystals and Investigation of Their Properties. Crystallography Reports, 2019, 64, 488-495.	0.1	2

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73	Nanostructured Crystals of Fluorite Phases Sr1Ââ€“ÂxRxF2Â+Âx (R Are Rare-Earth Elements) and Their Ordering. 14: Concentration Dependence of the Defect Structure of Nonstoichiometric Phases Sr1Ââ€“ÂxNdxF2Â+Âx As Grown (x = 0.10, 0.25, 0.40, 0.50). Crystallography Reports, 2019, 64, 216-221.	0.1	2
74	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
75	Nanostructured Crystals of Fluorite Phases Sr1Ââ€“ÂxRxF2Â+Âx (R Are Rare-Earth Elements) and Their Ordering. 15. Concentration Dependence of the Defect Structure of As Grown Nonstoichiometric Phases Sr1Ââ€“ÂxRxF2Â+Âx (R = Sm, Gd). Crystallography Reports, 2019, 64, 873-878.	0.1	2
76	Polarization selection in MÃ¶ssbauer reflectivity for magnetic multilayer investigation. Journal of Physics: Conference Series, 2019, 1389, 012016.	0.3	2
77	75LiF + 25SmF3 Eutectic Composite and Ionic Conductivity of SmF3 near the Polymorphic Î±â€“Î² Transition. Crystallography Reports, 2020, 65, 468-472.	0.1	2
78	Anharmonicity of Lattice Vibrations and the Thermal Properties of Cd1Ââ€“ÂxSrxF2 Solid Solutions. Physics of the Solid State, 2020, 62, 714-721.	0.2	2
79	Magnetic circular dichroism of 5I8â†' 5F3, 5F2 and 3K8 transitions in Na0.4Ho0.6F2.2 single crystal. Optical Materials, 2021, 114, 110953.	1.7	2
80	Mechanical Properties of Đ¡eF3 Single Crystals. Crystallography Reports, 2019, 64, 942-946.	0.1	2
81	Growth of the KR3F10 (R = Tbâ€“Er) Compounds by the Vertical Directional Crystallization Method. II. Refinement of the Character of Melting, Growth, and Some Physical Properties of KDy3F10 Crystals. Crystallography Reports, 2021, 66, 1133-1137.	0.1	2
82	Spectral luminescence properties of Ca1 â^' x Sr x F2:Ce3+ (0 < x <1) crystals. Journal of Surface Investigation, 2012, 6, 416-419.	0.1	1
83	Refinement of the Congruently Melting Composition of Nonstoichiometric Fluorite Crystals Ca1-xYxF2x (x = 0.01â€“0.14). Crystals, 2021, 11, 696.	1.0	1
84	VUV spectroscopy of Ce3+-doped Na0.4Lu0.6F2.2 single crystals. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika), 2009, 64, 141-145.	0.1	0
85	Defect structure and ionic conductivity of Sr1â^'xLaxF2+x(x= 0.1â€“0.5). Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C711-C712.	0.3	0
86	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
87	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
88	Investigation of the Magneto-Optical Properties of Europium Containing Fluorides. , 2018, , .		0
89	Influence of Temperature on the Defect Structure of the Fluorite Sr1Ââ€“ÂxLaxF2Â+Âx (x = 0.11â€“0.33) Single Crystals. Crystallography Reports, 2021, 66, 394-399.	0.1	0
90	Conductivity of R1 â^' yPbyF3 â€“ y (R = Pr, Nd) Solid Electrolytes with the Tysonite Structure. Russian Journal of Electrochemistry, 2021, 57, 833-839.	0.3	0

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91	10.1007/s11445-008-2016-0. , 2010, 53, 271.		0
92	Ytterbium difluoride YbF2: Preparation, structure, properties. Journal of Crystal Growth, 2022, 582, 126521.	0.7	0
93	Study of the Axial Distribution of Components of Sr1Ââ˜ÂxTbxF2Â+Âx Solid Solution Crystals during Their Directional Crystallization from Melt. Crystallography Reports, 2021, 66, 1138-1142.	0.1	0
94	The High-Energy Milling Preparation and Spectroscopic Characterization of Rare-Earth Ions Doped BaY2F8 Nanoparticles. Crystals, 2022, 12, 599.	1.0	0