Dina V Deyneko

List of Publications by Year
in descending order

57 papers	593 citations	623188 14 h-index	752256 20 g-index
57 all docs	57 docs citations	57 times ranked	387 citing authors

#	Article	IF	Citations
1	Ca8MgSm1â€“(PO4)7:xEu3+, promising red phosphors for WLED application. Journal of Alloys and Compounds, 2019, 776, 897-903.	2.8	45
2	Antiferroelectric properties and site occupations of R 3+ cations in Ca 8 Mg R (PO 4) 7 luminescent host materials. Journal of Alloys and Compounds, 2017, 699, 928-937.	2.8	40
3	A novel red Ca8.5Pb0.5Eu(PO4)7 phosphor for light emitting diodes application. Journal of Alloys and Compounds, 2015, 647, 965-972.	2.8	38
4	Crystal growth, structure, infrared spectroscopy, and luminescent properties of rare-earth gallium borates RGa3(BO3)4, R=Nd, Smâ€“Er, Y. Optical Materials, 2015, 49, 304-311.	1.7	28
5	Luminescence, structure and antiferroelectric-type phase transition in Ca8ZnEu(PO4)7. Materials Research Bulletin, 2018, 104, 20-26.	2.7	25
6	Luminescence of Eu³⁺as a probe for the determination of the local site symmetry in Î²-Ca₃(PO₄)₂-related structures. CrystEngComm, 2019, 21, 5235-5242.	1.3	24
7	The influence of second coordination-sphere interactions on the luminescent properties of Î²-Ca3(PO4)2-related compounds. Journal of Alloys and Compounds, 2020, 815, 152352.	2.8	20
8	Role of the Eu³⁺ Distribution on the Properties of Î²-Ca₃(PO₄)₂ Phosphors: Structural, Luminescent, and ¹⁵¹Eu MÃ¶ssbauer Spectroscopy Study of Ca_{9.5â€“1.5<i>x</i>}MgEu_{<i>x</i>}(PO₄)₇. Inorganic Chemistry, 2021, 60, 3961-3971.	1.9	18
9	Optical non-linearity tuning in Ca8-PbMBi(VO4)7 whitlockite-type systems. Journal of Alloys and Compounds, 2016, 674, 323-330.	2.8	17
10	Luminescence Property Upgrading via the Structure and Cation Changing in Ag_{<i>x</i>}Eu_{(2â€“<i>x</i>)/3}WO₄ and Ag_{<i>x</i>}Gd_{(2â€“<i>x</i>)/3â€“0.3}Eu_{0.3}WO₄. Chemistry of Materials, 2017, 29, 8811-8823.	3.2	17
11	Enhanced nonlinear optical activity and Ca2+-conductivity in Ð¡Ð°10.5-Pb (VO4)7 ferroelectrics. Journal of Alloys and Compounds, 2018, 735, 1826-1837.	2.8	16
12	The crystal site engineering and turning of cross-relaxation in green-emitting Î²-Ca3(PO4)2-related phosphors. Journal of Luminescence, 2020, 223, 117196.	1.5	16
13	Incommensurately Modulated Structures and Luminescence Properties of the Ag_{<i>x</i>}Sm_{(2â€“<i>x</i>)/3}WO₄ (<i>x</i> = 0.286, 0.2) Scheelites as Thermographic Phosphors. Chemistry of Materials, 2018, 30, 4788-4798.	3.2	15
14	Synthesis of Ce-doped Mn3Gd7â^'xCex(SiO4)6O1.5 for the enhanced catalytic ozonation of tetracycline. Scientific Reports, 2019, 9, 18734.	1.6	15
15	Tunable luminescence and energy transfer in Eu3+ doped Ca8MTb(PO4)7 (M = Mg, Zn, Ca) phosphors. Materials Research Bulletin, 2020, 130, 110925.	2.7	13
16	Influence of Synthesis Conditions on Gadolinium-Substituted Tricalcium Phosphate Ceramics and Its Physicochemical, Biological, and Antibacterial Properties. Nanomaterials, 2022, 12, 852.	1.9	12
17	Antimicrobial properties of co-doped tricalcium phosphates Ca3-2(MĚŠMĚŠĚŠ) (PO4)2 (M = Zn2+, Cu2+, Mn2+) Tj ETQq1 1 0.784314	2.3	12
18	Crystal structure, dielectric, and optical properties of Î²-calcium orthophosphates heavily doped with ytterbium. Journal of Alloys and Compounds, 2019, 787, 1301-1309.	2.8	11

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19	Crystal chemistry of compounds with lanthanide based microporous heteropolyhedral frameworks: Synthesis, crystal structures, and luminescence properties of novel potassium cerium and erbium silicates. Microporous and Mesoporous Materials, 2019, 284, 25-35.	2.2	10
20	Computational analysis of apatite-type compounds for band gap engineering: DFT calculations and structure prediction using tetrahedral substitution. Rare Metals, 2021, 40, 3694-3700.	3.6	10
21	Luminescent properties of Er3+ in centrosymmetric and acentric phosphates Ca8MEr(PO4)7 (M = Ca,) Tj ETQq1 1 0.784314 rgBT /Ov	2.7	10
22	Synthesis, crystal structure, vibrational spectroscopy and expected magnetic properties of a new bismuth nickel phosphate Ni(BiO) 2 (PO 4)(OH) with a namibite-type structure. Solid State Sciences, 2017, 63, 16-22.	1.5	9
23	Pure, lithium- or magnesium-doped ferroelectric single crystals of Ca₉Y(VO₄)₇: cation arrangements and phase transitions. Zeitschrift Fur Kristallographie - Crystalline Materials, 2018, 233, 453-462.	0.4	9
24	Isovalent and aliovalent cation substitutions in the anion sublattice of whitlockite-type ferroelectrics Ca9RE(VO4)7 with RE =Y and Yb. Journal of Solid State Chemistry, 2019, 279, 120966.	1.4	9
25	Ferroelectricity, ionic conductivity and structural paths for large cation migration in Ca_{10.5â^'x}Pb_x(VO₄)₇single crystals,<i>x</i>= 1.9, 3.5, 4.9. CrystEngComm, 2019, 21, 1309-1319.	1.3	9
26	Symmetry Inhomogeneity of Ca_{9â€"<i>x</i>}Zn_{<i>x</i>}Eu(PO₄)₇ Phosphor Determined by Second-Harmonic Generation and Dielectric and Photoluminescence Spectroscopy. Crystal Growth and Design, 2020, 20, 6461-6468.	1.4	9
27	A novel high color purity blue-emitting Tm3+-doped Î²-Ca3(PO4)2-type phosphor for WLED application. Optik, 2021, 227, 166027.	1.4	9
28	Sr8MSm1-Eu (PO4)7 phosphors derived by different synthesis routes: Solid state, sol-gel and hydrothermal, the comparison of properties. Journal of Alloys and Compounds, 2021, 887, 161340.	2.8	9
29	A new hydrogen-containing whitlockite-type phosphate Ca₉(Fe_{0.63}Mg_{0.37})H_{0.37}(PO₄)₇: hydrothermal synthesis and structure. Zeitschrift Fur Kristallographie - Crystalline Materials, 2014, 229, 823-830.	0.4	8
30	KTb(MoO₄)₂ Green Phosphor with K⁺-Ion Conductivity: Derived from Different Synthesis Routes. Inorganic Chemistry, 2021, 60, 9471-9483.	1.9	8
31	Synthesis and crystal structure of Ga-rich, Fe-bearing tourmaline. European Journal of Mineralogy, 2016, 28, 593-599.	0.4	7
32	Bi₃(PO₄)O₃, the Simplest Bismuth(III) Oxophosphate: Synthesis, IR Spectroscopy, Crystal Structure, and Structural Complexity. Inorganic Chemistry, 2018, 57, 6799-6802.	1.9	7
33	Influence of annealing conditions on the structure and luminescence properties of KGd_{1â^'x}Eu_x(MoO₄)₂ (0 â‰ <i>x</i> â‰ 1). CrystEngComm, 2019, 21, 6460-6471.	1.3	7
34	Novel Dy3+-doped Ge4+-substituted apatite-type phosphors, Ca9La(PO4)5[(Si1-Ge O4)]F2:Dy3+: Synthesis, structure, crystal chemical features, and luminescent properties. Ceramics International, 2021, 47, 23300-23308.	2.3	7
35	K₅Eu_{1â€"<i>x</i>}Tb<i>_x</i>(MoO₄)₄ Phosphors for Solid-State Lighting Applications: Aperiodic Structures and the Tb³⁺ â†' Eu³⁺ Energy Transfer. Inorganic Chemistry, 2022, 61, 7910-7921.	1.9	7
36	Influence of magnesium on dielectric properties of Ca 9â€"x Mg x Bi(VO 4) 7 ceramics. Journal of the American Ceramic Society, 2018, 101, 4011-4022.	1.9	6

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37	Novel NASICON-type Na3.6Y1.8-(PO4)3:xDy3+ phosphor: Structure and luminescence. Optical Materials, 2021, 122, 111738.	1.7	6
38	Â«EllestaditeÂ»-type anionic [PO4]3â€“ â†’ [SO4]2â€“ substitutions in Î²-Ca3(PO4)2 type compounds: A new route to design the inorganic phosphors. Ceramics International, 2022, 48, 24012-24020.	2.3	6
39	Structural changes in Sr9In(PO4)7 during antiferroelectric phase transition. Inorganic Materials, 2016, 52, 176-185.	0.2	5
40	New apatiteâ€type phosphor Ca₉La(PO₄)₅(SiO₄)F₂:Tb³⁺,Dy<sup>3+</sup with improved color rendering index. Journal of the American Ceramic Society, 2020, 103, 2602-2609.	1.3	4
41	Topological Features of the Alluaudite-Type Framework and Its Derivatives: Synthesis and Crystal Structure of NaMnNi2(H2/3PO4)3. Crystals, 2021, 11, 237.	1.0	4
42	Rb1.66Cs1.34Tb[Si5.43Ge0.57O15]Â·H2O, a New Member of the OD-Family of Natural and Synthetic Layered Silicates: Topology-Symmetry Analysis and Structure Prediction. Minerals (Basel, Switzerland), 2021, 11, 395.	0.8	4
43	Influence of anionic substitutions on the luminescent properties of Ca9.75Eu0.5(VO4)7. Journal of Solid State Chemistry, 2022, 308, 122884.	1.4	4
44	Rb₂CaCu₆(PO₄)₄O₂, a novel oxophosphate with a shchurovskyite-type topology: synthesis, structure, magnetic properties and crystal chemistry of rubidium copper phosphates. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2019, 75, 903-913.	0.5	3
45	Sr₉In(VO₄)₇as a model ferroelectric in the structural family of Î²-Ca₃(PO₄)₂-type phosphates and vanadates. RSC Advances, 2020, 10, 10867-10872.	1.7	3
46	The role of anionic heterovalent [PO₄]^{3âˆ’} â†’ [GeO₄]^{4âˆ’} substitution on the luminescence properties of inorganic phosphors with the Î²-Ca₃(PO₄)₂-type structure: new data based on accurate crystal structure refinement. Dalton Transactions, 2022, 51, 655-663.	1.6	3
47	Polymorphism, polytypism and modular aspect of compounds with the general formula <i>A</i> ₂ <i>M</i> ₃(<i>T</i>O₄)₄ (<i>A</i> = Na, Rb, Cs, Ca;) Tj ETQq1 1 0.784314 rgBT / Polyâ€“ ... DFT ... Acta Crystallographica Section B: Structural ... 2022, 78, 61-69.	0.5	3
48	Polymorphism and topological features of compounds with the general formula <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.svg"><mml:mrow><mml:msubsup><mml:mi mathvariant="bold-italic">A</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>âˆ’</mml:mo><mml:mi mathvariant="bold-italic">x</mml:mi></mml:mrow><mml:mo>+</mml:mo></mml:msubsup><mml:msubsup><mml:mi mathvariant="bold-italic">B</mml:mi><mml:mi mathvariant="bold-italic">x</mml:mi><mml:mrow><mm	1.4	3
49	Structure and luminescence properties of color-tunable phosphor Sr2La3(SiO4)3F:Tb3+,Sm3+. Journal of Rare Earths, 2023, 41, 1288-1294.	2.5	3
50	Crystal structure refinement of new vanadates Ca8âˆ’xPbxCdBi(VO4)7. Powder Diffraction, 2017, 32, S106-S109.	0.4	2
51	Influence of lithium and magnesium on the real structure and dielectric properties of Ca₉Y(VO₄)₇ single crystals. CrystEngComm, 2018, 20, 6310-6318.	1.3	2
52	Effective regulation of electronic structures and luminescence properties of LiGd9(SiO4)6â€“(GeO4) O2:Dy3+ phosphors by tetrahedral substitution. Journal of Rare Earths, 2023, 41, 673-681.	2.5	2
53	Crystal structure of new phosphates Ca9â€“xPbxEu(PO4)7 from Rietveld refinement. Powder Diffraction, 2015, 30, S101-S103.	0.4	1
54	Ferroelectric properties and structural refinement of whitlockite-type phosphate Ca8.5Pb0.5Ho(PO4)7. Powder Diffraction, 2017, 32, S168-S171.	0.4	1

#	ARTICLE	IF	CITATIONS
55	Ca6.5Pb1.5ZnBi(VO4)7, a novel whitlockite-type vanadate: crystal structure refinement and properties characterization. Powder Diffraction, 2017, 32, 175-178.	0.4	1
56	Comment on â€œTuning luminescence of Ca9La(PO4)7:Eu2+via artificially inducing potential luminescence centersâ€•by P. Li, Z. Wang, et al., J. Mater. Chem. C, 2019, 7, 14601. Journal of Materials Chemistry C, 0, , .	2.7	1
57	Whitlockite-Type Structure as a Matrix for Optical Materials: Synthesis and Characterization of Novel TM-SM Co-Doped Phosphate Ca9Gd(PO4)7, a Single-Phase White Light Phosphors. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlo	0.6	0