

Vladimir M Amirkhanov

List of Publications by Year in descending order

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99
papers

1,576
citations

257357

24
h-index

377752

34
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101
all docs

101
docs citations

101
times ranked

815
citing authors

#	ARTICLE	IF	CITATIONS
1	Contribution of Energy Transfer from the Singlet State to the Sensitization of Eu ³⁺ and Tb ³⁺ Luminescence by Sulfonamidophosphates. <i>Chemistry - A European Journal</i> , 2017, 23, 1318-1330.	1.7	67
2	Various types of metal complexes based on chelating β^2 -diketones and their structural analogues. <i>Russian Chemical Reviews</i> , 2004, 73, 737-752.	2.5	66
3	Oxime analogs of amino acids and peptides are efficient ligands for NiII ions. <i>Journal of Inorganic Biochemistry</i> , 1997, 65, 287-294.	1.5	56
4	Synthesis and investigations of mixed-ligand lanthanide complexes with N,N'-dipyrrolidine-N'-trichloroacetylphosphorotriamide, dimethyl-N-trichloroacetylamidophosphate, 1,10-phenanthroline and 2,2'-bipyrimidine. <i>Polyhedron</i> , 2009, 28, 3731-3738.	1.0	55
5	Spectroscopic and magnetic studies of mixed lanthanide complexes: LnL3 \pm , β^2 Dipy in solution and in solid. <i>Journal of Alloys and Compounds</i> , 2002, 341, 98-106.	2.8	50
6	Heterobinuclear Zn ^{II} -Ln and Ni ^{II} -Ln Complexes with Schiff-Base and Carbacylamidophosphate Ligands: Synthesis, Crystal Structures, and Catalytic Activity. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 3720-3730.	1.0	46
7	Spectroscopic characterization of lanthanide complexes with N,N'-tetraethyl-N'-benzoylphosphoryltriamide. Crystal structure of tris(N,N'-tetraethyl-N'-benzoylphosphoryltriamide) cerium(III) trinitrate complex. <i>Polyhedron</i> , 2000, 19, 2203-2209.	1.0	43
8	X-Ray analysis and excited state dynamics in a new class of lanthanide mixed chelates of the type LnPhl ² 3A-Phen (Ln = Sm, Eu, Gd, Tb). <i>New Journal of Chemistry</i> , 2003, 27, 948-956.	1.4	43
9	How minor structural changes generate major consequences in photophysical properties of RE coordination compounds; resonance effect, LMCT state. <i>Journal of Rare Earths</i> , 2020, 38, 552-563.	2.5	39
10	Crystal and Molecular Structures of N,N'-Diphenyl-N'-trichloroacetyl-phosphorictriamide and N,N'-Tetraethyl-N'-benzoylphosphorictriamide. The Effect of Various Substituents on the Structural Parameters of the [C(O)N(H)P(O)] Moiety. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1997, 52, 1331-1336.	0.3	38
11	Metal carbacylamidophosphates: ability of coordination patterns to di- and polymerization. <i>Polyhedron</i> , 2003, 22, 1221-1229.	1.0	36
12	Spectroscopic and crystal structure data of the alkali-, thallium (I) and onic-salts of dimethyl-N-trichloroacetylamidophosphate. <i>Polyhedron</i> , 2005, 24, 1007-1014.	1.0	34
13	Structure and sensitized near-infrared luminescence of Yb(III) complexes with sulfonamidophosphate type ligand. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 217, 1-9.	2.0	34
14	Novel tetranuclear cubane-like Co(II) complexes involving chelate phosphoramidate ligands. <i>Polyhedron</i> , 2002, 21, 963-967.	1.0	33
15	Lanthanide complexes with <i>N</i> -phosphorylated carboxamide as UV converters with excellent emission quantum yield and single-ion magnet behavior. <i>Journal of Materials Chemistry C</i> , 2020, 8, 9993-10009.	2.7	33
16	Structure and spectroscopy of NaNd(SP) ₄ chelate: a new type of lanthanide luminophore. <i>Structural Chemistry</i> , 2010, 21, 425-438.	1.0	32
17	Lanthanide mixed-ligand complexes of the [Ln(CAph) ₃ (Phen)] and [La _x Eu _{1-x} (CAph) ₃ (Phen)] (CAph = carbacylamidophosphate) type. A comparative study of their spectral properties. <i>Dalton Transactions</i> , 2015, 44, 15508-15522.	1.6	32
18	Co-ordination ability of amino acid oximes. Potentiometric, spectroscopic and structural studies of complexes of 2-cyano-2-(hydroxyimino)acetamide. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 273-276.	1.1	30

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19	Novel heteroligand complexes of Co(II), Cu(II), Ni(II) and Mn(II) formed by 2,2'-dipyridyl or 1,10-phenanthroline and phosphotriamide ligands: Synthesis and structure. <i>Polyhedron</i> , 2009, 28, 2661-2666.	1.0	29
20	Carbacylamidophosphates: Synthesis and Structure of N,N'-Tetramethyl-N''-p-chlorobenzoylphosphoryltriamide and N,N'-Tetramethyl-NM-o-fluorobenzoylphosphoryltriamide. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2000, 55, 1015-1019.	0.3	28
21	Synthesis and spectral studies of lanthanides coordination compounds based on N-(diphenylphosphoryl)benzamide. The structure of N-(diphenylphosphoryl)benzamide. <i>Journal of Molecular Structure</i> , 2014, 1068, 71-76.	1.8	28
22	Coordination compounds based on CAPH type ligand: synthesis, structural characteristics and luminescence properties of tetrakis-complexes $CsLnL_4$ with dimethylbenzoylamidophosphate. <i>Journal of Coordination Chemistry</i> , 2016, 69, 123-134.	0.8	27
23	Spectroscopy and Structure of Ln^{III} Complexes with Sulfonylamidophosphate Type Ligands as Sensitizers of Visible and Near-Infrared Luminescence. <i>ChemPlusChem</i> , 2012, 77, 482-496.	1.3	26
24	Spectroscopy and structure of $[LnL_3bipy]$ and $[LnL_3phen]$ complexes with CAPH type ligand dimethylbenzoylamidophosphate. <i>Journal of Luminescence</i> , 2016, 178, 392-399.	1.5	26
25	Crystal structure and optical properties of Ln(III) octahedral complexes with hexamethylphosphotriamide; $[Ln(HMPA)_6](ClO_4)_3$. <i>Journal of Alloys and Compounds</i> , 1997, 257, 182-190.	2.8	25
26	Highly luminescent diphenyl-N-benzoylamidophosphate based lanthanide tetrakis-complexes. <i>Journal of Luminescence</i> , 2018, 194, 108-115.	1.5	25
27	Synthesis and spectroscopic investigations of lanthanide compounds with phosphoroazo derivatives of β^2 -diketonates. <i>Journal of Applied Spectroscopy</i> , 1995, 62, 613-624.	0.3	24
28	New copper(II) 1D polymer containing dimethyl(phenylsulfonyl)amidophosphate: Synthesis, crystal structure and magnetic properties. <i>Polyhedron</i> , 2009, 28, 1331-1335.	1.0	22
29	Lanthanide Complexes with Carbacylamidophosphates: The First Registration of Chelate Coordination of the Neutral Ligand Form in the Structure of Di-(N,N'-tetramethyl-NM-benzoylphosphoryl)- $Tj ETQq1 1 0.784314 \text{ ggBT /Overlock 10 Tf}$ 0.3 21 <i>Journal of Chemical Sciences</i> , 2000, 55, 576-582.	0.3	21
30	Octahedral Complexes of Fe(III) with Phosphorylic Ligands Closely Related to β^2 -Diketones. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2002, 57, 746-750.	0.3	21
31	Structural and spectroscopic properties of Nd complexes with sulfonylamidophosphate type ligands. <i>Journal of Luminescence</i> , 2016, 170, 348-356.	1.5	21
32	Lanthanide complexes with phosphorylated 2-naphthylsulfonamides ligands as electromagnetic radiation converters. <i>Dyes and Pigments</i> , 2019, 160, 439-449.	2.0	19
33	New carbacylamidophosphates (CAPH) and CAPH-containing coordination compounds: structural peculiarities. <i>Structural Chemistry</i> , 2016, 27, 341-355.	1.0	18
34	Structural and photophysical properties of lanthanide complexes with N-(diphenylphosphoryl)-4-methylbenzenesulfonamide. <i>Optical Materials</i> , 2014, 37, 476-482.	1.7	16
35	The ligand-to-metal energy transfer and the role of Lewis base ligands and silver plasmons in emission of new type of lanthanide phosphors. <i>Journal of Luminescence</i> , 2016, 170, 340-347.	1.5	16
36	Structures and Spectral and Magnetic Properties of a Series of Carbacylamidophosphate Pentanuclear Lanthanide(III) Hydroxo Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 14682-14692.	1.9	16

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37	Spectroscopic aspects for the Yb ³⁺ coordination compound with a large energy gap between the ligand and Yb ³⁺ excited states. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 274, 121072.	2.0	16
38	Synthesis, crystal structure and luminescent properties of novel lanthanide complexes with CAPH type ligand diphenyl-N-benzoylamidophosphate and bidentate nitrogen donors. <i>Journal of Luminescence</i> , 2020, 223, 117187.	1.5	15
39	Carbacylamidophosphates: Synthesis, Properties, and Structure of Dimorpholido-N-trichloroacetylphosphorylamide. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1998, 53, 481-484.	0.3	14
40	Structure of Tl(18-crown-6){Cl ₃ CC(O)N P(O)(OCH ₃) ₂ }: Coordination of the Ionic Multidentate Weakens the Interaction of the Metal Atom with the Crown Ether. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1999, 54, 451-455.	0.3	14
41	<i>catena</i>-Poly[neodymate(III)bis[$\frac{1}{4}$ -dimethyl(phenylsulfonyl)amidophosphato]sodium(I)bis[$\frac{1}{4}$ -dimethyl(phenylsulfonyl)amidophosphato]sodium(I)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, m3175-m3176.	0.2	14
42	Pharmacophores Modeling in Terms of Prediction of Theoretical Physicochemical Properties and Verification by EXPERIMENTAL correlations of Carbacylamidophosphates (CAPH) and Sulfanylamidophosphates (SAPH) Tested as New Carbonic Anhydrase Inhibitors. <i>Mini-Reviews in Medicinal Chemistry</i> , 2019, 19, 1015-1027.	1.1	14
43	New Luminescent Lanthanide Tetrakis[NEt_4] [LnL ₄] Based on Dimethyl[N^{\ominus}]Benzoylamidophosphate. <i>ChemPhysChem</i> , 2022, 23, .	1.0	14
44	Synthesis, IR and X-Ray Studies of Tetra(N, $\text{N}^{\ominus 2}$ -tetraethyl- $\text{N}^{\ominus 3}$ -benzoyl)- Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (phosphorictrianion). <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1998, 53, 836-840.	0.3	13
45	Carbacylamidophosphates: Structure and Properties of Bis(N, $\text{N}^{\ominus 2}$ -morpholido)-[($\text{N}^{\ominus 3}$ -morpholido)-carboxamido] phosphate. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1999, 54, 1357-1359.	0.3	13
46	Coordination Compounds of Lanthanide Nitrates with Dimorpholido-N-trichloroacetylphosphorylamide. The Structure of Di(dimorpholido-N-trichloroacetylphosphorylamide)- diaqua Neodymium(III)trinitrate. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2000, 55, 262-268.	0.3	13
47	Synthesis and crystal structures of new dioxouranium(VI) complexes based on carbacylamidophosphates (CAPH). Investigation of extraction properties of some CAPH ligands in respect of dioxouranium(VI) nitrate. <i>Polyhedron</i> , 2013, 62, 293-299.	1.0	13
48	Dinuclear 3D metal complexes based on a carbacylamidophosphate ligand: redetermination of the ligand crystal structure. <i>Transition Metal Chemistry</i> , 2013, 38, 473-479.	0.7	13
49	First examples of carbacylamidophosphate pentanuclear hydroxo-complexes: Synthesis, structure, luminescence and magnetic properties. <i>Polyhedron</i> , 2016, 106, 44-50.	1.0	13
50	Structural and spectroscopic study of the europium complex with N-(diphenylphosphoryl)pyrazine-2-carboxamide. <i>Optical Materials</i> , 2017, 74, 197-200.	1.7	12
51	Nd ³⁺ and Yb ³⁺ complexes with N-(diphenylphosphoryl)pyrazine-2-carboxamide as UV-NIR radiation converters and single-ion magnets. <i>Dyes and Pigments</i> , 2021, 186, 108986.	2.0	12
52	$\hat{2}$ -Diketonates and their Analogs: Stabilization of the Dimeric M ₂ {L} ₄ (D) ₂ (M = Co, Ni) Core in the Complexes with Dimethyl-N-trichloroacetylamidophosphate {Cl ₃ C(O)NP(O)(OCH ₃) ₂ }-. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1999, 54, 1033-1038.	0.3	11
53	Carbacylamidophosphates: Synthethis and Structure of N,N'-Tetramethyl-NM-benzoylphosphoryltriamide and Dimorpholido-N-benzoylphosphorylamide. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2000, 55, 495-498.	0.3	11
54	Spectral characteristic and crystal-field calculations for new Er(III) phosphor of the type [Er(SP) ₄] ³⁺ (where SP=C ₆ H ₅ S(O)NP(O)(OCH ₃) ₂ ⁻). <i>Journal of Luminescence</i> , 2016, 169, 777-781.	1.5	11

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55	Synthesis and crystal structures of new potential chelating sulfonylamidophosphate ligands. <i>Journal of Molecular Structure</i> , 2012, 1017, 109-114.	1.8	10
56	Synthesis, structure and radiative and nonradiative properties of a new Dy ³⁺ complex with sulfonylamidophosphate ligand. <i>Journal of Rare Earths</i> , 2019, 37, 1255-1260.	2.5	10
57	Synthesis and Characterization of Anionic Lanthanide(III) Complexes with a Bidentate Sulfonylamidophosphate (SAPh) Ligand. <i>Inorganic Chemistry</i> , 2020, 59, 76-85.	1.9	10
58	<i>catena</i> -Poly[neodymium(III)-bis[$\frac{1}{4}$ -N-(dimorpholinophosphoryl)benzenesulfonamido]-sodium(I)-bis[$\frac{1}{4}$ -N-(dimorpholinophosphoryl)benzenesulfonamido]-sodium(I)]]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, m397-m398.	0.2	10
59	Luminescent properties and structure of new CAPH-based lanthanide complexes [LnL3Q], containing additional bis-heterocyclic aromatic ligand-antenna 2-(1,3,4-oxadiazole-2-yl) pyridine. <i>Optical Materials</i> , 2018, 75, 459-464.	1.7	9
60	N-[Bis[methyl(phenyl)amino]phosphoryl]-2,2,2-trichloroacetamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o2812-o2812.	0.2	8
61	Varieties in structures of Co(II), Ni(II) and Cu(II) coordination compounds based on dimethyl pyridin-2-ylcarbamoylphosphoramidate. <i>Structural Chemistry</i> , 2016, 27, 1413-1425.	1.0	8
62	<i>catena</i> -Poly[sodium-di- $\frac{1}{4}$ -aqua-sodium-bis[$\frac{1}{4}$ -2,2,2-trichloro-N-(dimorpholinophosphoryl)acetamide]]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, m426-m427.	0.2	8
63	Bis[N-[bis(pyrrolidin-1-yl)phosphoryl]-2,2,2-trichloroacetamide]dinitratodioxidouranium(VI). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, m322-m322.	0.2	7
64	New lanthanide complexes with CAPH type ligand dimethyl-N-benzoylamidophosphate and an additional ligand triphenylphosphine oxide. Synthesis, crystal structure, luminescent and thermal properties. <i>Optical Materials</i> , 2020, 109, 110233.	1.7	6
65	Crystal structure, spectroscopy and magnetism of binuclear complexes of mercury and lanthanides; the Ln(NCS)(HMPA)4($\frac{1}{4}$ -SCN)2HgCl(SCN) type. <i>Molecular Physics</i> , 2003, 101, 1015-1027.	0.8	5
66	Synthesis, crystal structures and spectroscopic properties of cobalt(II) complexes with chelating sulfonylamidophosphate ligands. <i>Journal of Molecular Structure</i> , 2015, 1100, 145-149.	1.8	5
67	Coordination mode of the N-[bis(diethylamino)phosphoryl]benzenesulfonamide ligand in Lu(III) and Ag(I) complexes. Mass spectra, thermal properties and DFT calculations. <i>Polyhedron</i> , 2018, 139, 98-106.	1.0	5
68	Lanthanide complexes based on a new bis-chelating carbacylamidophosphate (CAPH) scorpionate-like ligand. <i>RSC Advances</i> , 2020, 10, 24808-24816.	1.7	5
69	Luminescent Thin Films Based on N-(Diphenylphosphoryl)benzamide Eu(III) and Tb(III) Complexes for Light Emitting Diode Technology. <i>Chemistry Journal of Moldova</i> , 2018, 13, 54-62.	0.3	5
70	Synthesis, IR and X-Ray Studies of a Dioxouranium(VI) Nitrate Complex with N,N,N',N'-Tetraethyl-N,N'-bis[2-trichloroacetylphosphor]triamide. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1997, 52, 1194-1198.	0.3	4
71	<i>cis</i> -Diaquabis[dimethyl (phenylsulfonylimino)phosphonato]cobalt(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, m369-m370.	0.2	4
72	2-Ureido-1,3-thiazol-3-ium dihydrogen phosphate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o1607-o1607.	0.2	4

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73	{Dimethyl [(phenylsulfonyl)amido]phosphato- λ^2 -O,O'-bis(triphenylphosphane- λ -P)copper(II). Acta Crystallographica Section E: Structure Reports Online, 2014, 70, m209-m210.	0.1	4

74	Mononuclear Lanthanide Complexes Containing [O=C(O)] λ^2 -Chelating Sulfonylamidophosphate Type Ligands. European Journal of Inorganic Chemistry, 2019, 2019, 4592-4596.	1.0	4
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75	Lanthanide Coordination Compounds with Monodentate Coordinated λ^2 -diketone Heteroanalogue -		
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91	Novel quadruple-stranded heterometallic Ln ₂ Na complexes hosting sodium ions inside the cryptand-like cavity. <i>New Journal of Chemistry</i> , 2021, 45, 22361-22368.	1.4	1
92	Binding ability of Î±-ketoamide unit in amino acid derivatives. <i>Journal of Inorganic Biochemistry</i> , 1997, 65, 67-71.	1.5	0
93	Oxidation State of Cobalt in the Coordination Compounds with N-(Thio)phosphorylated Acylamidophosphinates in Solutions. <i>Russian Journal of General Chemistry</i> , 2005, 75, 480-481.	0.3	0
94	Photovoltaic Properties of Polymer Film Composites with a Tetranuclear Copper Complex Cu ₄ L ₄ (OCH ₃) ₄ (L ^{â€²} = N,N ^{â€²} -Dibenzyl-N ^{â€³} -Trichloroacetylphosphotriamide). <i>Theoretical and Experimental Chemistry</i> , 2019, 55, 240-245.	0.2	0
95	Crystal structure of { <i>N</i> ¹, <i>N</i> ³-bis[(1- <i>tert</i> -butyl-1 <i>H</i> -1,2,3-triazol-4-yl)methylidene]-2,2-dimethylpropane-1,3-diamine}bis(thiocyanato)iron(II). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 573-578.	0.2	0
96	Crystal structure of <i>N</i> -(diphenylphosphoryl)-2-methoxybenzamide. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019, 75, 939-941.	0.2	0
97	Photovoltaic Properties of Polymer Composites with a Tetranuclear Copper Complex. <i>Journal of Applied Spectroscopy</i> , 2020, 87, 229-235.	0.3	0
98	Crystal structure of the mixed methanol and ethanol solvate of bis{3,4,5-trimethoxy- <i>N</i> â€²-[1-(pyridin-2-yl)ethylidene]benzohydrazidato}zinc(II). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020, 76, 303-308.	0.2	0
99	Synthesis and Crystal Structure of New Zn(II) Complex with N-[bis(benzylamino)phosphoryl]-2,2,2-trichloroacetamide. <i>Chemistry Journal of Moldova</i> , 2021, 16, 58-65.	0.3	0