

Pavel A Petrov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A NEW POLYMORPH OF THE [ReCl ₃ (MeCN)(PPh ₃) ₂] COMPLEX AND ITS OXIDATION PRODUCTS. Journal of Structural Chemistry, 2022, 63, 470-475.	0.3	0
2	Paramagnetic Rhenium Iodide Cluster with N-Heterocyclic Carbene. Inorganic Chemistry, 2021, 60, 6746-6752.	1.9	4
3	Simultaneous ¹⁵ N polarization of several biocompatible substrates in ethanol/water mixtures by signal amplification by reversible exchange (SABRE) method. Magnetic Resonance in Chemistry, 2021, 59, 1216-1224.	1.1	6
4	Catecholate derivatives of zirconocene: facile methylation of a catecholate ring. Journal of Organometallic Chemistry, 2021, 949, 121946.	0.8	0
5	Amidophenolate Tantalum Complexes. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2021, 47, 587-592.	0.3	0
6	Tantalum(^{iv}) pyrazolate: new wine in the old wineskin. New Journal of Chemistry, 2021, 45, 7047-7051.	1.4	3
7	Heterometallic Coii-Lii carboxylate complexes with N-heterocyclic carbene, triphenylphosphine and pyridine: a comparative study of magnetic properties. Mendeleev Communications, 2021, 31, 624-627.	0.6	19
8	SYNTHESIS AND STRUCTURE OF A BINUCLEAR Pd(II) CHLORANILATE COMPLEX. Journal of Structural Chemistry, 2021, 62, 1573-1579.	0.3	3
9	Cyclometallation of the Dimethylamide Ligand in the Reaction of Ta(NMe ₂) ₅ with CS ₂ . Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2021, 47, 657-663.	0.3	1
10	A Sterically Hindered Derivative of 2,1,3-Benzotelluradiazole: A Way to the First Structurally Characterised Monomeric Tellurium Nitrogen Radical Anion. Chemistry - A European Journal, 2020, 26, 14688-14699.	1.7	11
11	Mixed Amidohalotantalates [Ta(NMe ₂) ₃ X ₃] (X = F, Cl). Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2020, 46, 593-599.	0.3	0
12	Rare example of structurally characterized mononuclear N-heterocyclic carbene containing zinc carboxylate. Mendeleev Communications, 2020, 30, 293-295.	0.6	7
13	Simple synthetic protocol to obtain 3d-4f-heterometallic carboxylate complexes of N-heterocyclic carbenes. Inorganica Chimica Acta, 2020, 508, 119643.	1.2	13
14	Structural Diversity of Calcium, Strontium, and Barium Complexes with Reduced Forms of the 3,6-Di-tert-butyl-4-benzoquinone Ligand. European Journal of Inorganic Chemistry, 2019, 2019, 4373-4383.	1.0	5
15	Phosphine-substituted Cubane Clusters with the Mo ₃ S ₄ Ga Core. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2019, 45, 333-339.	0.3	2
16	Di-tert-butylcatecholate derivatives of titanocene. New Journal of Chemistry, 2019, 43, 6636-6642.	1.4	1
17	Binuclear Niobium Complex with Coordinated N-Heterocyclic Carbene. Journal of Structural Chemistry, 2019, 60, 1989-1994.	0.3	3
18	Triangular Clusters of Molybdenum Coordinated with Diethylthiocarbamate: Synthesis, Structure and Solution Behavior. Journal of Cluster Science, 2018, 29, 451-457.	1.7	1

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19	Erbium Mixed-Ligand μ_2 -Diketiminato- μ_2 -Diamido Complex: Unusual Structure of Diamide Ligand. <i>ChemistrySelect</i> , 2018, 3, 1262-1267.	0.7	3
20	Crystal Structures of Chromium Cyclopentadienyl Catecholate Complexes. <i>Journal of Structural Chemistry</i> , 2018, 59, 1405-1411.	0.3	3
21	The first heterocubane cluster with a $[W_3Ga_4]$ core. <i>New Journal of Chemistry</i> , 2018, 42, 12349-12352.	1.4	4
22	Investigation of electronic structure of $\{Nb_2S_4\}^{4+}$ clusters by XES, XPS and DFT calculations. <i>Polyhedron</i> , 2018, 153, 268-277.	1.0	5
23	NHC adducts of tantalum amidoalides: the first example of NHC abnormally coordinated to an early transition metal. <i>Dalton Transactions</i> , 2017, 46, 4902-4906.	1.6	16
24	Triangular Clusters of Molybdenum Coordinated with Tetrabromocatecholate. <i>Journal of Cluster Science</i> , 2017, 28, 1815-1823.	1.7	4
25	Novel vanadium complexes supported by a bulky tris(pyrazolyl)borate ligand. <i>Polyhedron</i> , 2017, 129, 60-64.	1.0	15
26	Different Reductive Reactivities of $SmCp_2(THF)_n$ ($Cp = C_5Me_5$ and $TjETQqO_0rgBT/Overlock\ 10\ Tf\ 50\ 467\ Td(C_5)H$) P_2Ph_4 : THF Ring-Opening and Ligand-Exchange Pathways. <i>Organometallics</i> , 2017, 36, 1287-1295.	1.1	17
27	Tantalum Complex with 2-(2-Pyridine)Benzimidazolate. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2017, 43, 635-637.	0.3	1
28	Lanthanum complex with mono- and dideprotonated diketoimine. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2017, 43, 600-603.	0.3	1
29	Yttrium complexes with 3,6-bis(tert-butylcatecholate). <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2017, 43, 500-504.	0.3	3
30	Coherent evolution of singlet spin states in PHOTO-PHIP and M2S experiments. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 25961-25969.	1.3	17
31	Nature of Bonding in Donor-Acceptor Interactions Exemplified by Complexes of Heterocyclic Carbenes with 1,2,5-telluradiazoles. <i>Chemistry - A European Journal</i> , 2017, 23, 10987-10991.	1.7	20
32	Synthesis, molecular structures and EPR spectra of the paramagnetic cuboidal clusters with Mo_3S_4Ga cores. <i>New Journal of Chemistry</i> , 2017, 41, 7849-7852.	1.4	5
33	A Site-Specific Study of the Magnetic Field-Dependent Proton Spin Relaxation of an Iridium N-Heterocyclic Carbene Complex. <i>Zeitschrift Fur Physikalische Chemie</i> , 2017, 231, 857-865.	1.4	3
34	Tantalum Dimethyldithiocarbamate Complexes. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2017, 43, 652-656.	0.3	3
35	Cluster $[Re_3S_5(Dppe)_3]^+$ and its oxidation to $[Re_3S_4(SO_2)(Dppe)_3]^+$. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2016, 42, 196-200.	0.3	1
36	Analysis of the SABRE (Signal Amplification by Reversible Exchange) Effect at High Magnetic Fields. <i>Applied Magnetic Resonance</i> , 2016, 47, 711-725.	0.6	21

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37	Syntheses and structures of complexes $\{Mo_2S_2O_2\}^{2+}$ with labile Cl^- and DMF ligands. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2015, 41, 759-764.	0.3	3
38	Crystal structure of the seven-electron molybdenum cluster $[Mo_3S_4(dppe)_3Cl]^{3-} \cdot 3.5C_4H_8O_2 \cdot 0.5Et_2O$. Journal of Structural Chemistry, 2015, 56, 765-768.	0.3	3
39	Novel molybdenum complexes with the 3,6-Di-tert-butylcatecholate ligand. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2015, 41, 31-36.	0.3	2
40	Spin polarization transfer mechanisms of SABRE: A magnetic field dependent study. Journal of Magnetic Resonance, 2015, 261, 73-82.	1.2	66
41	Cyanato- and thiocyanato-substituted triangular clusters of molybdenum, $[Mo_3S_4(dppe)_3X]^{3+}$ (X = N, S). Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2014, 40, 422-431.	0.8	0
42	A new approach to the synthesis of gallium(III) complexes with μ_3 -diimine ligands in the radical anion form. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2014, 40, 885-890.	0.3	2
43	Ribbed-monofunctionalized iron(II) clathrochelate with tert-butyl sulfide substituents: Synthesis, structure, and thermochemical transformations. Russian Journal of Inorganic Chemistry, 2014, 59, 1162-1167.	0.3	5
44	Paramagnetic triangular rhenium sulfide cluster $[Re_3S_4(Dppe)_3(NCS)_3]Br$. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2014, 40, 200-204.	0.3	2
45	Synthesis, molecular and electronic structures of a paramagnetic trimetallic cluster containing an unusual $Mo_3(\mu_3-S)_2(\mu_4-S)_3$ core. Polyhedron, 2014, 81, 6-10.	1.0	6
46	The first seven-electron triangular tungsten sulfide cluster. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2013, 39, 510-513.	0.3	7
47	Syntheses and structures of the cobalt, nickel, and zinc complexes with 1,4-diaza-1,3-butadiene ligands. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2013, 39, 11-22.	0.3	5
48	Tris(tetrabutylammonium) hexakis(tert-butanethiolato- μ_3)hepta- μ_4 -chlorido- μ_4 -sulfido-hexamolybdate dihydrate. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, m333-m334.	0.2	0
49	Synthesis, molecular and electronic structure of an incomplete cuboidal Re_3S_4 cluster with an unusual quadruplet ground state. Chemical Communications, 2012, 48, 2713.	2.2	11
50	Synthesis and structure of a paramagnetic Mo_3S_4 incomplete cuboidal cluster with seven cluster skeletal electrons. Dalton Transactions, 2012, 41, 14031.	1.6	16
51	Unexpected transformation of a diamagnetic $Mo_3(\mu_3-S)(\mu_4-S)_3$ to a paramagnetic $Mo_3(\mu_3-S)_2(\mu_4-S)_3$ cluster core by reaction of $[Mo_3S_4(dppe)_3Br_3]PF_6$ with tBuSNa. Dalton Transactions, 2010, 39, 8875.	1.6	15
52	Synthesis and structure of $[Re_3S_3.7Br_4.3(PPh_3)_3] \cdot 0.5CH_2Cl_2$. Journal of Structural Chemistry, 2006, 47, 985-988.	0.3	2
53	Tetraethylammonium bis(benzene-1,2-dithiolato)(2-disulfanylbenzenethiolato)niobate. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, m1138-m1139.	0.2	0
54	Complexes of Cu(I), Ni(II), and Co(II) with 2-cyano-2-(1-oxyl-4,4,5,5-tetramethyl-4,5-dihydro-1H-imidazol-2-yl)-1-R-ethylenolates. Russian Chemical Bulletin, 2004, 53, 99-108.	0.4	4

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55	Seven-membered metallocycle in the CuI complex with deprotonated 2-(2-hydroxy-3-nitrophenyl)-4,4,5,5-tetramethyl-4,5-dihydro-1H-imidazole-1-oxyl 3-oxide. Russian Chemical Bulletin, 2004, 53, 109-113.	0.4	1
56	A New Class of Enehydroxylamino Ketones (R)-2-(1-Hydroxy-4,4,5,5-tetraalkylimidazolidin-2-ylidene)ethanones: Synthesis and Reactions. European Journal of Organic Chemistry, 2004, 2004, 749-765.	1.2	12
57	Metal complex with the enaminoketone derivative of 2-imidazoline nitroxide. Mendeleev Communications, 2001, 11, 179-181.	0.6	8
58	Synthesis and structure of the cluster Fe ₂ Mo ₂ (μ_3 -Se)(μ_3 -AsMe)(μ_3 -Co)(μ_4 -Co)(Co) ₅ (η^5 -Cp) ₂ . Russian Chemical Bulletin, 1999, 48, 988-990.	0.4	9
59	Sterically Hindered Tellurium(IV) Catecholate as a Lewis Acid. Inorganic Chemistry, 0, , .	1.9	6