

Alexander A Pavlov

List of Publications by Year in descending order

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58
papers

1,206
citations

471371

17
h-index

395590

33
g-index

62
all docs

62
docs citations

62
times ranked

1274
citing authors

#	ARTICLE	IF	CITATIONS
1	A Trigonal Prismatic Mononuclear Cobalt(II) Complex Showing Single-Molecule Magnet Behavior. <i>Journal of the American Chemical Society</i> , 2015, 137, 9792-9795.	6.6	284
2	Polymorphism in a Cobalt-Based Single-Ion Magnet Tuning Its Barrier to Magnetization Relaxation. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4111-4116.	2.1	95
3	Transition Ion Strikes Back: Large Magnetic Susceptibility Anisotropy in Cobalt(II) Clathrochelates. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3799-3803.	2.1	62
4	Spin-Crossover Anticooperativity Induced by Weak Intermolecular Interactions. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 496-500.	2.1	55
5	Trigonal Prismatic Tris-pyridineoximate Transition Metal Complexes: A Cobalt(II) Compound with High Magnetic Anisotropy. <i>Inorganic Chemistry</i> , 2017, 56, 6943-6951.	1.9	49
6	Probing Spin Crossover in a Solution by Paramagnetic NMR Spectroscopy. <i>Inorganic Chemistry</i> , 2017, 56, 14759-14762.	1.9	39
7	A Trigonal Prismatic Cobalt(II) Complex as a Single Molecule Magnet with a Reduced Contribution from Quantum Tunneling. <i>ChemPhysChem</i> , 2019, 20, 1001-1005.	1.0	37
8	Chloride Ion-Aided Self-Assembly of Pseudoclathrochelate Metal Tris-pyrazoloximates. <i>Inorganic Chemistry</i> , 2014, 53, 3062-3071.	1.9	30
9	Selective Ruthenium Labeling of the Tryptophan Residue in the Bee Venom Peptide Melittin. <i>Chemistry - A European Journal</i> , 2015, 21, 4923-4925.	1.7	30
10	Detailed electronic structure of a high-spin cobalt(II) complex determined from NMR and THz-EPR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 8201-8204.	1.3	30
11	Towards the Molecular Design of Spin-Crossover Complexes of 2,6-Bis(pyrazol-3-yl)pyridines. <i>Chemistry - A European Journal</i> , 2020, 26, 5629-5638.	1.7	28
12	Template synthesis, X-ray structure, spectral and redox properties of the paramagnetic alkylboron-capped cobalt(II) clathrochelates and their diamagnetic iron(II)-containing analogs. <i>Inorganica Chimica Acta</i> , 2013, 399, 67-78.	1.2	25
13	Iridium Halide Complexes [1,1-X ₂ -8-SMe ₂ -1,2,8-IrC ₂ B ₉ H ₁₀] ₂ (X = Cl, Br, I): Synthesis, Reactivity and Catalytic Activity. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4635-4644.	1.0	23
14	Solvent-Induced Encapsulation of Cobalt(II) Ion by a Boron-Capped tris-Pyrazoloximate. <i>Inorganic Chemistry</i> , 2020, 59, 5845-5853.	1.9	22
15	Very Large Magnetic Anisotropy of Cage Cobalt(II) Complexes with a Rigid Cholesteryl Substituent from Paramagnetic NMR Spectroscopy. <i>ACS Omega</i> , 2018, 3, 4941-4946.	1.6	20
16	Synthesis of novel polycyclic heterosystems based on 5-nitro[1,2,5]thiadiazolo[3,4-e]benzofuroxan. <i>Mendeleev Communications</i> , 2016, 26, 217-219.	0.6	19
17	Intramolecular Spin State Locking in Iron(II) 2,6-Di(pyrazol-3-yl)pyridine Complexes by Phenyl Groups: An Experimental Study. <i>Magnetochemistry</i> , 2018, 4, 46.	1.0	17
18	Synthesis, X-ray structure and electrochemical properties of hybrid binuclear metallophthalocyaninate-capped tris-pyridineoximates. <i>New Journal of Chemistry</i> , 2017, 41, 3251-3259.	1.4	16

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19	A Synergy and Struggle of EPR, Magnetometry and NMR: A Case Study of Magnetic Interaction Parameters in a Six-Coordinate Cobalt(II) Complex. <i>Inorganic Chemistry</i> , 2020, 59, 10746-10755.	1.9	16
20	Dichotomous Siâ€“H Bond Activation by Alkoxide and Alcohol in Base-Catalyzed Dehydrocoupling of Silanes. <i>Inorganic Chemistry</i> , 2020, 59, 12240-12251.	1.9	16
21	New Spin-Crossover Complexes of Substituted 2,6-Bis(pyrazol-3-yl)pyridines. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2819-2829.	1.0	15
22	Betti tables of MCM modules over the cone of a plane cubic. <i>Mathematische Zeitschrift</i> , 2021, 297, 223-254.	0.4	15
23	Nickel(II) Dihydrogen and Hydride Complexes as the Intermediates of H ₂ Heterolytic Splitting by Nickel Diazadiphosphacyclooctane Complexes. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 4265-4272.	1.0	15
24	Henry Reaction Revisited. Crucial Role of Water in an Asymmetric Henry Reaction Catalyzed by Chiral NNO-Type Copper(II) Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 11051-11065.	1.9	13
25	Bifunctional activation of amine-boranes by the W/Pd bimetallic analogs of â€œfrustrated Lewis pairsâ€. <i>Chemical Science</i> , 2021, 12, 3682-3692.	3.7	13
26	Synthesis of novel polycyclic heterosystems from 5-nitro[1,2,5]selenadiazolo[3,4-e]benzofuroxans. <i>Chemistry of Heterocyclic Compounds</i> , 2016, 52, 690-693.	0.6	12
27	Effect of the Structure of Pyridine Ligands and the Substituent in the Carboxylate Anion on the Geometry of Transition Metal Complexes [M ₂ (O ₂ CR) ₄ L ₂]. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2018, 44, 91-102.	0.3	12
28	A New Series of Cobalt and Iron Clathrochelates with Perfluorinated Ribbed Substituents. <i>ACS Omega</i> , 2017, 2, 6852-6862.	1.6	11
29	Cucurbit[7]uril-driven modulation of ligandâ€“DNA interactions by ternary assembly. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 755-766.	1.5	11
30	Highly NIR-emitting ytterbium complexes containing 2-(tosylaminobenzylidene)- <i>N</i> -benzoylhydrazone anions: structure in solution and use for bioimaging. <i>Dalton Transactions</i> , 2021, 50, 3786-3791.	1.6	11
31	5,6- and 6,6-Membered Palladium(II) Pincer Complexes Based on Functionalized Carboxamides with Ancillary Sulfur and Nitrogen Donors. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 5271-5280.	1.0	10
32	Polyhedral Rearrangements in the Complexes of Rhodium and Iridium with Isomeric Carborane Anions [7,8-Me ₂ -X-SMe ₂ -7,8-nido-C ₂ B ₉ H ₈] ¹⁻ (X = 9 and 10). <i>Organometallics</i> , 2017, 36, 791-800.		10
33	Catalytic systems based on nickel(<i>ii</i>) complexes with bis(3,5-dimethylpyrazol-1-yl)methane â€œ impact of PPh ₃ on the formation of precatalysts and selective dimerization of ethylene. <i>New Journal of Chemistry</i> , 2020, 44, 981-993.	1.4	10
34	Regio- and stereoselective [2+2] photocycloaddition in Ba ²⁺ templated supramolecular dimers of styryl-derivatized aza-heterocycles. <i>Dyes and Pigments</i> , 2017, 139, 397-402.	2.0	9
35	Synthesis and Spin State of the Cobalt(II) Complexes with Substituted 2,6-Bis(pyrazol-3-yl)pyridine Ligands. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2018, 44, 489-495.	0.3	9
36	Coordination [Co ^{II}] ₂ and [Co ^{II} Zn ^{II}] Helicates Showing Slow Magnetic Relaxation. <i>Inorganic Chemistry</i> , 2019, 58, 9562-9566.	1.9	9

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37	Molecular structure, magnetic properties and catalytic activity in selective ethylene dimerization of nickel (II) complexes with bis(3,5-dimethylpyrazol-1-yl)methane. <i>Journal of Molecular Structure</i> , 2020, 1206, 127692.	1.8	9
38	Synthesis, structure and ADMET properties of the monoribbed-functionalized iron(II) clathrochelates with terminal DNA-relevant groups. <i>Inorganica Chimica Acta</i> , 2016, 448, 7-15.	1.2	8
39	Pseudoclathrochelate n-hexadecylboron-capped metal(II) tris-pyrazoloximates: synthesis, X-ray structure, spectral and magnetic characteristics. <i>Inorganica Chimica Acta</i> , 2018, 471, 413-418.	1.2	8
40	A New Single-Molecule Magnet Based on a Cage Cobalt(II) Complex. <i>Russian Journal of Inorganic Chemistry</i> , 2019, 64, 1532-1537.	0.3	8
41	Pathway bifurcations in the cage rearrangement of metallacarboranes: experimental and computational evidence. <i>Dalton Transactions</i> , 2021, 50, 287-293.	1.6	8
42	Comprehensive Insight into the Hydrogen Bonding of Silanes. <i>Chemistry - an Asian Journal</i> , 2018, 13, 3084-3089.	1.7	7
43	Stereoisomerism as an Origin of Different Reactivities of Ir(III) PC(sp ³) ₃ P Pincer Catalysts. <i>Inorganic Chemistry</i> , 2020, 59, 11962-11975.	1.9	7
44	NNNO ⁺ Heteroscorpionate nickel (II) and cobalt (II) complexes for ethylene oligomerization: the unprecedented formation of odd carbon number olefins. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5873.	1.7	7
45	High-Spin Cobalt(II) Complex with Record-Breaking Anisotropy of the Magnetic Susceptibility According to Paramagnetic NMR Spectroscopy Data. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2021, 47, 10-16.	0.3	7
46	Synthesis of nitro pyrido- and dipyrido[1,4]oxazines. <i>Mendeleev Communications</i> , 2016, 26, 383-385.	0.6	5
47	Synthesis of Pyrido[2,6- <i>b</i>]phenoxazines and Pyrido[2,6- <i>b</i>]phenothiazines via Successive S _N Ar Processes. <i>ChemistrySelect</i> , 2018, 3, 1230-1233.	0.7	5
48	Spin State of the Iron(II) and Cobalt(II) 2,6-Di(5-Amino-1H-Pyrazol-3-yl)pyridine Complexes in Solution and in Crystal. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2019, 45, 402-410.	0.3	5
49	Effect of Ligands on the Lewis Acidity of the Metal and the Binding of N-Bases to Iridium Pincer Complexes. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1389-1397.	1.0	5
50	Vanadium(V) imido chlorides and n-propoxides – Towards a rational design of vanadium imido precatalysts for ethylene polymerization. <i>Journal of Organometallic Chemistry</i> , 2021, 934, 121665.	0.8	5
51	Iron(II) Clathrochelate with Terminal Triple C≡C Bond and Its Carboranoclathrochelate Derivative with a Flexible Linker between the Polyhedral Cages: Synthesis and X-Ray Structure. <i>ChemistrySelect</i> , 2019, 4, 11572-11577.	0.7	4
52	Self-dual Yang-Mills fields in an Einstein universe. <i>International Journal of Theoretical Physics</i> , 1992, 31, 2061-2063.	0.5	2
53	The use of mixtures of ligands in the Ir-catalyzed asymmetric reductive amination of 6-methyl-2,3,4,9-tetrahydro-1H-carbazol-1-one. <i>Russian Chemical Bulletin</i> , 2015, 64, 1591-1594.	0.4	2
54	Influence of Polymorphism on the Magnetic Properties of Single-Molecule Magnets According to the Data of EPR Spectroscopy in the Terahertz Range. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2020, 46, 756-761.	0.3	2

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55	Copper(II) and Cobalt(II) Carboxylates Containing the 1,3,4-Oxadiazole Fragment: Structures and Properties. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2022, 48, 75-83.	0.3	2
56	Cult in everything but name? Transnational experiences of (Western) cult cinema in late soviet and early post-Soviet Russia. Transnational Cinemas, 2017, 8, 49-64.	0.4	1
57	Betti numbers of MCM modules over the cone of an elliptic normal curve. Journal of Algebra, 2019, 526, 211-242.	0.4	0
58	Analysis of reduced paramagnetic shifts as an effective tool in NMR spectroscopy. Physical Chemistry Chemical Physics, 2021, , .	1.3	0