

Alexander V Polezhaev

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Cationic Ruthenium Hydrido ^η -Carbonyls Derived from Metallocene-Based Pincers: Unusual Rearrangements and H ₂ Evolution with Formation of Cationic Ruthenium Metallocenylienes. <i>Organometallics</i> , 2010, 29, 4360-4368.	2.3	39
2	Two- and Three-Electron Oxidation of Single-Site Vanadium Centers at Surfaces by Ligand Design. <i>Journal of the American Chemical Society</i> , 2015, 137, 7898-7902.	13.7	37
3	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.	2.8	30
4	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.	3.3	28
5	A Multifunctional Pincer Ligand Supports Unsaturated Cobalt: Five Functionalities in One Pincer. <i>Chemistry - A European Journal</i> , 2017, 23, 8039-8050.	3.3	26
6	Redox-active ligand controlled selectivity of vanadium oxidation on Au(100). <i>Chemical Science</i> , 2018, 9, 1674-1685.	7.4	24
7	A PNNH Pincer Ligand Allows Access to Monovalent Iron. <i>Chemistry - A European Journal</i> , 2018, 24, 1330-1341.	3.3	22
8	Ligand Design toward Multifunctional Substrate Reductive Transformations. <i>Inorganic Chemistry</i> , 2017, 56, 9505-9514.	4.0	21
9	Activation of small molecules by a rhodium bis(phosphinite) pincer complex. <i>Russian Chemical Bulletin</i> , 2009, 58, 1847-1854.	1.5	20
10	Deprotonation, Chloride Abstraction, and Dehydrohalogenation as Synthetic Routes to Bis(pyrazolate) Pyridyl Iron(II) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3999-4012.	2.0	19
11	Self-healing polyurethane based on a difuranic monomer from biorenewable source. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47869.	2.6	18
12	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.	2.4	17
13	Tetrazine Assists Reduction of Water by Phosphines: Application in the Mitsunobu Reaction. <i>Chemistry - A European Journal</i> , 2016, 22, 13985-13998.	3.3	16
14	New Spin-Crossover Complexes of Substituted 2,6-Bis(pyrazol-3-yl)pyridines. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2819-2829.	2.0	15
15	Rheological and thermal analysis of low-viscosity epoxy-furan composites. <i>Polymer Science - Series D</i> , 2013, 6, 308-311.	0.6	14
16	A mechanistic study of the reaction between furfural-acetone resins and polyamines. <i>Polymer Science - Series D</i> , 2016, 9, 17-21.	0.6	13
17	A substituent-tolerant synthetic approach to N/P-coordinated heteroarenes. <i>Dalton Transactions</i> , 2018, 47, 5938-5942.	3.3	12
18	Enhancement of Ir-MoS ₂ Superambient Temperature Stability and Hydrogen Evolution Performance by Intercalating a Phenanthroline Monolayer. <i>ChemNanoMat</i> , 2021, 7, 447-456.	2.8	11

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19	Silica-Based Aerogels with Tunable Properties: The Highly Efficient BF ₃ -Catalyzed Preparation and Look inside Their Structure. <i>Macromolecules</i> , 2021, 54, 1961-1975.	4.8	10
20	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.	1.0	9
21	Reductive Silylation Using a Bis-silylated Diaza-cyclohexadiene. <i>Chemistry - A European Journal</i> , 2019, 25, 8105-8111.	3.3	9
22	Thermally Remendable Polyurethane Network Cross-Linked via Reversible Diels-Alder Reaction. <i>Polymers</i> , 2021, 13, 1935.	4.5	8
23	Diels-Alder Cycloadditions of Bio-Derived Furans with Maleimides as a Sustainable «Click» Approach towards Molecular, Macromolecular and Hybrid Systems. <i>Processes</i> , 2022, 10, 30.	2.8	8
24	Multi-electron Reduction Capacity and Multiple Binding Pockets in Metal-Organic Redox Assembly at Surfaces. <i>Chemistry - A European Journal</i> , 2019, 25, 5565-5573.	3.3	7
25	Composite Materials Manufactured by Photopolymer 3D Printing with Metal-Organic Frameworks. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2021, 47, 319-325.	1.0	7
26	Room-Temperature Spin Crossover in a Solution of Iron(II) Complexes with N,N'-Disubstituted Bis(pyrazol-3-yl)pyridines. <i>ACS Omega</i> , 2021, 6, 33111-33121.	3.5	7
27	Dihydrogen and dinitrogen rhodium complexes bearing metallocene-based pincer ligands. <i>Inorganica Chimica Acta</i> , 2019, 496, 118844.	2.4	6
28	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.	1.0	5
29	Spin-Crossover in Iron(II) Complexes of N,N'-Disubstituted 2,6-Bis(Pyrazol-3-yl)Pyridines: An Effect of a Distal Substituent in the 2,6-Dibromophenyl Group. <i>Crystals</i> , 2021, 11, 922.	2.2	5
30	Ruthenium bis(phosphinite) pincer complexes. <i>Russian Chemical Bulletin</i> , 2009, 58, 1701-1706.	1.5	4
31	Alkylation of nitrogen heterocycles with 1,3-bis(hydroxymethyl)ferrocene. Generation of the ferrocene dicarbocation $[1,3-(CH_2)_2C_5H_3]Fe(C_5H_5)]_2^+$. <i>Russian Chemical Bulletin</i> , 2010, 59, 2098-2101.	1.5	3
32	Generation of Cyclopentadiene for Diels-Alder Reactions by Visible-Light Irradiation of Iron Sandwich Complexes. <i>Helvetica Chimica Acta</i> , 2022, 105, .	1.6	3
33	A multimetal-ligand cooperative approach to CO ₂ activation. <i>Inorganica Chimica Acta</i> , 2018, 483, 510-515.	2.4	2
34	Ortho-lithiation of N-aryl ferrocenylmethanimines. <i>Inorganica Chimica Acta</i> , 2019, 495, 118976.	2.4	2
35	Residual heavy metals in industrial chitosan: State of distribution. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 979-986.	7.5	2
36	Iron(II) and Cobalt(II) Complexes with 2,6-Bis(1,4-Diphenyl-5-Hydroxy-1H-Pyrazol-3-yl)pyridine: Synthesis, Structures, and Spin States. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2020, 46, 317-325.	1.0	2

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37	Synthetic Approaches to New Redox-Active Carbene Ligands. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2021, 47, 117-126.	1.0	2
38	Synthesis and Spin State of the Iron(II) Complex with the N,N'-Disubstituted 2,6-Bis(pyrazol-3-yl)pyridine Ligand. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2020, 46, 402-410.	1.0	1
39	New Iron(III) Oxo Complex with Substituted 2,6-Bis(Pyrazol-3-yl)Pyridine. Russian Journal of Inorganic Chemistry, 2020, 65, 864-869.	1.3	1
40	New Chain Extenders for Self-Healing Polymers. Key Engineering Materials, 0, 899, 628-637.	0.4	1
41	Spin State of Cobalt(II) 2,6-Bis(pyrazol-3-yl)pyridine Complex with a Redox-Active Ferrocenyl Substituent. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2021, 47, 480-487.	1.0	0
42	New Chain-Extenders for Recyclable Cross-Linked Polyurethanes. Key Engineering Materials, 0, 899, 518-524.	0.4	0