

Kirill Yu Monakhov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2880156/publications.pdf>

Version: 2024-02-01

70
papers

1,620
citations

304368

22
h-index

329751

37
g-index

78
all docs

78
docs citations

78
times ranked

1790
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring the Ligand Functionality, Electronic Band Gaps, and Switching Characteristics of Single Wells Dawson-Type Polyoxometalates on Gold. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	7
2	{P2V3W15}-Polyoxometalates Functionalized with Phthalocyaninato Y and Yb Moieties. <i>Inorganic Chemistry</i> , 2021, 60, 80-86.	1.9	6
3	TiO _x /Pt ₃ Ti(111) surface-directed formation of electronically responsive supramolecular assemblies of tungsten oxide clusters. <i>Beilstein Journal of Nanotechnology</i> , 2021, 12, 203-212.	1.5	2
4	Insertion of VIV Ions into the Polyoxotungstate Archetype {As4W40}. <i>Inorganic Chemistry</i> , 2021, 60, 8437-8441.	1.9	4
5	Synthesis and crystal structure of a one-dimensional chain-like strontium(II) coordination polymer built of N-methyldiethanolamine and isobutyrate ligands. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 703-707.	0.2	0
6	Synthesis, Structure, and Surface Adsorption Characteristics of a Polynuclear Mn ^{II,IV} –Yb ^{III} Complex. <i>Inorganic Chemistry</i> , 2021, 60, 10415-10425.	1.9	2
7	Expansion of Zirconium Oxide Clusters by 3d/4f Ions. <i>Inorganic Chemistry</i> , 2021, 60, 11599-11608.	1.9	2
8	Insights from Adsorption and Electron Modification Studies of Polyoxometalates on Surfaces for Molecular Memory Applications. <i>Accounts of Chemical Research</i> , 2021, 54, 3377-3389.	7.6	21
9	Mononuclear zinc(II) Schiff base complexes as catalysts for the ring-opening polymerization of lactide. <i>European Polymer Journal</i> , 2020, 122, 109302.	2.6	33
10	Hexavanadate–Organogold(I) Hybrid Compounds: Synthesis by the Azide–Alkyne Cycloaddition and Density Functional Theory Study of an Intriguing Electron Density Distribution. <i>Inorganic Chemistry</i> , 2020, 59, 16122-16126.	1.9	7
11	A cubane-type nickel single-molecule magnet with exchange-biased quantum tunneling of magnetization. <i>Mendeleev Communications</i> , 2020, 30, 168-170.	0.6	2
12	Conductive Self-Assembled Monolayers of Paramagnetic {CoII Co4III} and {Co4II Co2III} Coordination Clusters on Gold Surfaces. <i>Frontiers in Chemistry</i> , 2019, 7, 681.	1.8	2
13	Interplay between the amphipathic polyoxometalate interactions in solution and at solid–liquid interfaces: a toolbox for the technical application. <i>Nanoscale</i> , 2019, 11, 4267-4277.	2.8	17
14	Polyoxometalates as components of supramolecular assemblies. <i>Chemical Science</i> , 2019, 10, 4364-4376.	3.7	112
15	How Does the Redox State of Polyoxovanadates Influence the Collective Behavior in Solution? A Case Study with [V18O42]q [–] (q = 3, 5, 7, 11, and 13). <i>Inorganic Chemistry</i> , 2019, 58, 3881-3894.	1.9	18
16	Ion-Directed Coordinative Polymerization of Copper(II) Pyridyl–Alcohol Complexes Through Thiane Functionalities. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019, 645, 409-415.	0.6	3
17	Self-assembled monolayers of polyoxovanadates with phthalocyaninato lanthanide moieties on gold surfaces. <i>Chemical Communications</i> , 2019, 55, 13554-13557.	2.2	12
18	Supramolecular Construction of Cyanide-Bridged Rel Diimine Multichromophores. <i>Inorganic Chemistry</i> , 2019, 58, 1988-2000.	1.9	12

#	ARTICLE	IF	CITATIONS
19	Konfigurationsisomerie in Polyoxovanadaten. <i>Angewandte Chemie</i> , 2018, 130, 3024-3028.	1.6	8
20	Triangular {Ni ₃ } coordination cluster with a ferromagnetically coupled metal-ligand core. <i>Polyhedron</i> , 2018, 144, 144-151.	1.0	8
21	Configurational Isomerism in Polyoxovanadates. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2972-2975.	7.2	43
22	Synthesis, photophysical properties and cation-binding studies of bipyridine-functionalized gold($\langle \text{sc} \rangle \text{i} \langle \text{sc} \rangle$) complexes. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 160-171.	3.0	18
23	Addressing Multiple Resistive States of Polyoxovanadates: Conductivity as a Function of Individual Molecular Redox States. <i>Journal of the American Chemical Society</i> , 2018, 140, 16635-16640.	6.6	49
24	The Heck reaction as a tool to expand polyoxovanadates towards thiol-sensitive organic-inorganic hybrid fluorescent switches. <i>Dalton Transactions</i> , 2018, 47, 14402-14407.	1.6	10
25	Polyoxometalate encapsulation into metal-organic frameworks: the way towards functional nanomaterials for water splitting. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17849-17853.	5.2	42
26	Element-Selective Molecular Charge Transport Characteristics of Binuclear Copper(II)-Lanthanide(III) Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 9274-9285.	1.9	8
27	Linear Cu ^I ₂ Pd ⁰ , Cu ^I Pd ⁰ ₂ , and Ag ^I ₂ Pd ⁰ Metal Chains Supported by Rigid $\langle \text{i} \rangle \text{N} \langle \text{i} \rangle$ -Diphosphanyl $\langle \text{N} \rangle$ -Heterocyclic Carbene Ligands and Metallophilic Interactions. <i>Chemistry - A European Journal</i> , 2018, 24, 8787-8796.	1.7	11
28	Decoding the role of encapsulated ions in the electronic and magnetic properties of mixed-valence polyoxovanadate capsules {X@V ₂₂ O ₅₄ } (X = ClO ⁺ ,) <i>Tj ETQg 0 0 rgBT /Overlock</i> <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 17847-17858.	1.3	9
29	Linear Cu ^I ₂ Pd ⁰ , Cu ^I Pd ⁰ ₂ , and Ag ^I ₂ Pd ⁰ Metal Chains Supported by Rigid $\langle \text{i} \rangle \text{N} \langle \text{i} \rangle$ -Diphosphanyl $\langle \text{N} \rangle$ -Heterocyclic Carbene Ligands and Metallophilic Interactions. <i>Chemistry - A European Journal</i> , 2018, 24, 8697-8697.	1.7	2
30	Breaking the Gordian Knot in the Structural Chemistry of Polyoxometalates: Copper(II)-Oxo/Hydroxo Clusters. <i>Chemistry - A European Journal</i> , 2017, 23, 7841-7852.	1.7	44
31	Perspectives for Polyoxometalates in Single-Molecule Electronics and Spintronics. <i>Advances in Inorganic Chemistry</i> , 2017, , 251-286.	0.4	33
32	Molecular Characteristics of a Mixed-Valence Polyoxovanadate {V ^{IV} /V ^V }_{18}O ₄₂ in Solution and at the Liquid-Surface Interface. <i>Journal of Physical Chemistry C</i> , 2017, 121, 10419-10429.	1.5	28
33	Linear, Trinuclear Cobalt Complexes with $\langle \text{i} \rangle \text{o} \langle \text{i} \rangle$ -Phenylene-bis-Silylamido Ligands. <i>Chemistry - A European Journal</i> , 2017, 23, 6504-6508.	1.7	12
34	A V ₁₆ -type Polyoxovanadate Structure with Intricate Electronic Distribution: Insights from Magnetochemistry. <i>Crystal Growth and Design</i> , 2017, 17, 2342-2350.	1.4	18
35	Heteroleptic, two-coordinate [M(NHC){N(SiMe ₃) ₂ }] (M = Co, Fe) complexes: synthesis, reactivity and magnetism rationalized by an unexpected metal oxidation state. <i>Dalton Transactions</i> , 2017, 46, 1163-1171.	1.6	25
36	The Cu($\langle \text{sc} \rangle \text{i} \langle \text{sc} \rangle$)-catalysed Huisgen 1,3-dipolar cycloaddition route to (bio-)organic functionalisation of polyoxovanadates. <i>Dalton Transactions</i> , 2017, 46, 15636-15640.	1.6	27

#	ARTICLE	IF	CITATIONS
37	Reconciling the valence state with magnetism in mixed-valent polyoxometalates: the case of a $\{VO_2F_2V_{22}O_{54}\}$ cluster. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 29767-29771.	1.3	15
38	Supramolecular 3d-4f single-molecule magnet architectures. <i>Dalton Transactions</i> , 2016, 45, 16148-16152.	1.6	26
39	$\{CoII/III5\}$ horseshoe and $\{NiII4\}$ lacunary cubane coordination clusters: the isobutyrate/N-butyl-diethanolamine reaction system. <i>RSC Advances</i> , 2016, 6, 100664-100669.	1.7	8
40	Spin-Hybrids: A Single-Molecule Approach to Spintronics. <i>E-Journal of Surface Science and Nanotechnology</i> , 2016, 14, 17-22.	0.1	11
41	Thioether-terminated nickel($\langle scp \rangle$) coordination clusters with $\{Ni_6\}$ horseshoe- and $\{Ni_8\}$ rollercoaster-shaped cores. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 523-531.	3.0	18
42	Rotational Isomerism, Electronic Structures, and Basicity Properties of α -Fully-Reduced V_{14} -type Heteropolyoxovanadates. <i>Inorganic Chemistry</i> , 2016, 55, 3777-3788.	1.9	18
43	Molecular orbitals for properties and spectroscopies. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	0
44	A dinuclear Bi(III) complex of a 1,3-disubstituted imidazole-2-thione and its use as a transmetallation agent toward Pd(II). <i>Journal of Organometallic Chemistry</i> , 2015, 796, 11-16.	0.8	8
45	Supramolecular Recognition Influences Magnetism in $[X@HV_8V_{14}O_{54}]^{6-}$ Self-Assemblies with Symmetry-Breaking Guest Anions. <i>Chemistry - A European Journal</i> , 2015, 21, 2387-2397.	1.7	38
46	Adsorption phenomena of cubane-type tetranuclear Ni(II) complexes with neutral, thioether-functionalized ligands on Au(111). <i>Surface Science</i> , 2015, 641, 210-215.	0.8	13
47	A thioether-decorated $\{Mn_{11}Tb_4\}$ coordination cluster with slow magnetic relaxation. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 1095-1100.	3.0	17
48	Semimetal-functionalised polyoxovanadates. <i>Chemical Society Reviews</i> , 2015, 44, 8443-8483.	18.7	227
49	A comparative synthetic, magnetic and theoretical study of functional M_4Cl_4 cubane-type Co(ii) and Ni(ii) complexes. <i>Dalton Transactions</i> , 2014, 43, 7847.	1.6	40
50	Magnetochemical Complexity of Hexa- and Heptanuclear Wheel Complexes of Late- d Ions Supported by N-Donor Pyridyl-Methanolate Ligands. <i>Chemistry - A European Journal</i> , 2014, 20, 3769-3781.	1.7	15
51	Combined Experimental and Theoretical Study of Bis(diphenylphosphino)(<i>N</i> -thioether)amine-Type Ligands in Nickel(II) Complexes for Catalytic Ethylene Oligomerization. <i>Organometallics</i> , 2014, 33, 2523-2534.	1.1	37
52	A novel, rigid diphosphine with an active NHC spacer; di- and trinuclear complexes of d^{10} coinage metals. <i>Chemical Communications</i> , 2014, 50, 103-105.	2.2	79
53	Anionic N -Heterocyclic Carbene Ligands from Mesoionic Imidazolium Precursors: Remote Backbone Arylimino Substitution Directs Carbene Coordination. <i>Chemistry - A European Journal</i> , 2013, 19, 450-455.	1.7	82
54	Angular Distortions at Benzylic Carbons Due to Intramolecular Polarization-Induced Metal-Arene Interactions: A Case Study with Open-Shell Chromium(II) NHC Complexes. <i>Organometallics</i> , 2013, 32, 1842-1850.	1.1	18

#	ARTICLE	IF	CITATIONS
55	Synthesis and Crystal Structure of a ϵ -Fe-Bi-Cluster Compound with Noncovalent Low-Valent Bi- π -Arene Interactions. <i>Inorganic Chemistry</i> , 2013, 52, 6782-6784.	1.9	12
56	Solvent-Dependent Reversible Ligand Exchange in Nickel Complexes of a Monosulfide Bis(diphenylphosphino)thioetheramine. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1795-1805.	1.7	23
57	Three-Coordinate Iron(II) N-Heterocyclic Carbene Alkyl Complexes. <i>Organometallics</i> , 2012, 31, 4102-4105.	1.1	53
58	The solid-state, solution and gas-phase interactions of diphosphane monooxide spacers with heavier group 8,9 transition metals and gallium in novel organometallic assemblies: An experimental and computational study. <i>Journal of Organometallic Chemistry</i> , 2012, 714, 22-31.	0.8	2
59	Stabilisation of a triply-bridging cyclopentadienyl ligand in a tetrapalladium cluster. <i>Chemical Communications</i> , 2012, 48, 8317.	2.2	18
60	On the Insertion of ML_2 (M = Ni, Pd, Pt; L = PH_3) into the $E-Bi$ Bond (E = C, Si). <i>Organometallics</i> , 2012, 31, 4415-4428.	1.1	6
61	Heptabismuthate $[Bi_7I_{24}]^{3-}$: A Main Group Element Anderson-Type Structure and Its Relationships with the Polyoxometalates. <i>Inorganic Chemistry</i> , 2012, 51, 1562-1568.	1.9	48
62	Alkali-Metal-Supported Bismuth Polyhedra: Principles and Theoretical Studies. <i>Inorganic Chemistry</i> , 2011, 50, 5755-5762.	1.9	8
63	Molecular Assemblies Based on Cp^*BiX_2 Units (X = Cl, Br, I): An Experimental and Computational Study. <i>Organometallics</i> , 2011, 30, 2844-2854.	1.1	14
64	Reduction vs. Metathesis in the Reactions of Bismuth Tribromide with a Bulky Lithium Silanide: An Experimental and Theoretical Study. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 322-332.	1.0	25
65	Cubane-Like Bismuth-Iron Cluster: Synthesis, X-ray Crystal Structure and Theoretical Characterization of the $[Bi_4Fe_8(CO)_{28}]^{4-}$ Anion. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 3212-3219.	1.0	14
66	Theoretical Study of Structure, Bonding, and Electronic Behavior of Low-Valent Bismuth Cyclopentadienyl and Pentamethylcyclopentadienyl Half-Sandwich Compounds. <i>Inorganic Chemistry</i> , 2009, 48, 6986-6996.	1.9	8
67	Synthesis and structure of Tri- and octaindium compounds. <i>Dalton Transactions</i> , 2009, , 8071.	1.6	13
68	Synthesis and solution behavior of the trinuclear palladium(II) unsaturated carboxylate complexes $triangle-Pd_3[\frac{1}{4}O_2CC(R)=CHMe]_6$ (R = Me, H): X-ray structure of palladium(II) tiglato (R = Me). <i>Inorganica Chimica Acta</i> , 2007, 360, 4111-4116.	1.2	15
69	A quantum-chemical study of donor-acceptor properties of carboxylic acids and their anions and evaluation of the effect of these properties on geometric and spectroscopic parameters of palladium(II) carboxylates. <i>Russian Journal of General Chemistry</i> , 2007, 77, 1896-1903.	0.3	0
70	Palladium(I) carbonyl carboxylate clusters $cyclo-[Pd_2(\frac{1}{4}CO)_2(\frac{1}{4}OCOR)_2]_n$ (n=2 or 3): Structure and reactivity. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 3730-3736.	0.8	23