

Xiaoping Wang

List of Publications by Year in descending order

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46984

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Fluorous Metal-Organic Frameworks with Superior Adsorption and Hydrophobic Properties toward Oil Spill Cleanup and Hydrocarbon Storage. <i>Journal of the American Chemical Society</i> , 2011, 133, 18094-18097.	6.6	411
2	Fluorous Metal-Organic Frameworks for High-Density Gas Adsorption. <i>Journal of the American Chemical Society</i> , 2007, 129, 15454-15455.	6.6	318
3	Metal-Organic Frameworks Based on Double-Bond-Coupled Di-Isophthalate Linkers with High Hydrogen and Methane Uptakes. <i>Chemistry of Materials</i> , 2008, 20, 3145-3152.	3.2	248
4	Quantitative analysis of intermolecular interactions in orthorhombic rubrene. <i>IUCr</i> , 2015, 2, 563-574.	1.0	206
5	Crystallographic Observation of Dynamic Gas Adsorption Sites and Thermal Expansion in a Breathable Fluorous Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2500-2505.	7.2	196
6	Strong Electronic Couplings between Ferrocenyl Centers Mediated by Bis-Ethynyl/Butadiynyl Diruthenium Bridges. <i>Journal of the American Chemical Society</i> , 2005, 127, 13354-13363.	6.6	153
7	Linear Tricobalt Compounds with Di(2-pyridyl)amide (dpa) Ligands: Temperature Dependence of the Structural and Magnetic Properties of Symmetrical and Unsymmetrical Forms of $\text{Co}_3(\text{dpa})_4\text{Cl}_2$ in the Solid State. <i>Journal of the American Chemical Society</i> , 2000, 122, 6226-6236.	6.6	141
8	Diastereoselective Cycloreductions and Cycloadditions Catalyzed by $\text{Co}(\text{dpm})_2$ -Silane (dpm = $\text{Tj ETQqO O O rgBT /Overlock 10 Tf 50 462}$) Radical Pathways. <i>Journal of the American Chemical Society</i> , 2002, 124, 9448-9453.	6.6	134
9	Further Study of the Linear Trinickel(II) Complex of Dipyridylamide. <i>Inorganic Chemistry</i> , 1999, 38, 2655-2657.	1.9	132
10	Molecular and Electronic Structures by Design: Tuning Symmetrical and Unsymmetrical Linear Trichromium Chains. <i>Journal of the American Chemical Society</i> , 2004, 126, 7082-7096.	6.6	126
11	$[\text{Cu}_{32}(\text{H})_{20}\{\text{S}_2\text{P}(\text{O}iPr)_2\}_{12}]$: The Largest Number of Hydrides Recorded in a Molecular Nanocluster by Neutron Diffraction. <i>Chemistry - A European Journal</i> , 2015, 21, 8369-8374.	1.7	118
12	Molecular Squares with Paramagnetic Diruthenium Corners: Synthetic and Crystallographic Challenges. <i>Journal of the American Chemical Society</i> , 2003, 125, 10327-10334.	6.6	113
13	Oxidation of $\text{Ni}_3(\text{dpa})_4\text{Cl}_2$ and $\text{Cu}_3(\text{dpa})_4\text{Cl}_2$: Nickel-Nickel Bonding Interaction, but No Copper-Copper Bonds. <i>Inorganic Chemistry</i> , 2003, 42, 2418-2427.	1.9	112
14	A New Linear Tricobalt Compound with Di(2-pyridyl)amide (dpa) Ligands: Two-Step Spin Crossover of $[\text{Co}_3(\text{dpa})_4\text{Cl}_2][\text{BF}_4]$. <i>Journal of the American Chemical Society</i> , 2000, 122, 2272-2278.	6.6	111
15	Kinetics of Methane Hydrate Formation from Polycrystalline Deuterated Ice. <i>Journal of Physical Chemistry A</i> , 2002, 106, 7304-7309.	1.1	108
16	Diselenophosphate-Induced Conversion of an Achiral $[\text{Cu}_{20}\text{H}_{11}\{\text{S}_2\text{P}(\text{O}iPr)_2\}_9]$ into a Chiral $[\text{Cu}_{20}\text{H}_{11}\{\text{Se}_2\text{P}(\text{O}iPr)_2\}_9]$ Polyhydrido Nanocluster. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13604-13608.	7.2	104
17	Modifying Electronic Communication in Dimolybdenum Units by Linkage Isomers of Bridged Oxamidate Dianions. <i>Journal of the American Chemical Society</i> , 2003, 125, 13564-13575.	6.6	102
18	Heterolytic Cleavage of Hydrogen by an Iron Hydrogenase Model: An $\text{Fe-H}\cdots\text{H-N}$ Dihydrogen Bond Characterized by Neutron Diffraction. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5300-5304.	7.2	102

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19	Integration of neutron time-of-flight single-crystal Bragg peaks in reciprocal space. <i>Journal of Applied Crystallography</i> , 2014, 47, 915-921.	1.9	82
20	Orientation of Organic Cations in Hybrid Inorganic-Organic Perovskite $\text{CH}_3\text{NH}_3\text{PbI}_3$ from Subatomic Resolution Single Crystal Neutron Diffraction Structural Studies. <i>Crystal Growth and Design</i> , 2016, 16, 2945-2951.	1.4	82
21	New Linear Tricobalt Complex of Di(2-pyridyl)amide (dpa), $[\text{Co}_3(\text{dpa})_4(\text{CH}_3\text{CN})_2][\text{PF}_6]_2$. <i>Inorganic Chemistry</i> , 2000, 39, 3065-3070.	1.9	77
22	A Calix[4]arene Carceplex with Four Rh^{2+} -Fasteners. <i>Journal of the American Chemical Society</i> , 2004, 126, 1518-1525.	6.6	75
23	Modeling Spin Interactions in a Cyclic Trimer and a Cuboidal Co_4O_4 Core with $\text{Co}(\text{II})$ in Tetrahedral and Octahedral Environments. <i>Journal of the American Chemical Society</i> , 2005, 127, 4895-4902.	6.6	73
24	Tuning the Metal-Metal Bonds in the Linear Tricobalt Compound $\text{Co}_3(\text{dpa})_4\text{Cl}_2$: Å Bond-Stretch and Spin-State Isomers. <i>Inorganic Chemistry</i> , 2001, 40, 1256-1264.	1.9	72
25	Transition metal (Mn, Co) and zinc formamidinate compounds having the basic beryllium acetate structure, and unique isomeric iron compounds. <i>Inorganica Chimica Acta</i> , 1997, 266, 91-102.	1.2	68
26	Compounds with Symmetrical Tricobalt Chains Wrapped by Dipyridylamide Ligands and Cyanide or Isothiocyanate Ions as Terminal Ligands. <i>Inorganic Chemistry</i> , 2001, 40, 1265-1270.	1.9	67
27	A Concise Approach to the Synthesis of <i>opp</i> -Dibenzoporphyrins through the Heck Reaction. <i>Organic Letters</i> , 2009, 11, 4251-4253.	2.4	67
28	<i>CrystalPlan</i> : an experiment-planning tool for crystallography. <i>Journal of Applied Crystallography</i> , 2011, 44, 418-423.	1.9	67
29	Neutron Diffraction Studies of a Four-Coordinated Hydride in Near Square-Planar Geometry. <i>Inorganic Chemistry</i> , 2014, 53, 11140-11145.	1.9	67
30	A Large-Surface-Area Boracite-Network-Topology Porous MOF Constructed from a Conjugated Ligand Exhibiting a High Hydrogen Uptake Capacity. <i>Inorganic Chemistry</i> , 2009, 48, 7519-7521.	1.9	66
31	Hydrogenation of <i>N</i> -Heteroarenes Using Rhodium Precatalysts: Reductive Elimination Leads to Formation of Multimetallic Clusters. <i>Journal of the American Chemical Society</i> , 2019, 141, 17900-17908.	6.6	65
32	Anharmonicity and atomic distribution of SnTe and PbTe thermoelectrics. <i>Physical Review B</i> , 2014, 90, .	1.1	64
33	Enhancing the Stability of Trinickel Molecular Wires and Switches: $\text{Ni}^{36+}/\text{Ni}^{37+}$. <i>Inorganic Chemistry</i> , 2003, 42, 3595-3601.	1.9	63
34	Di- and Trinuclear Complexes with the Mono- and Dianion of 2,6-Bis(phenylamino)pyridine: Å High-Field Displacement of Chemical Shifts Due to the Magnetic Anisotropy of Quadruple Bonds. <i>Inorganic Chemistry</i> , 2001, 40, 2778-2784.	1.9	60
35	Adsorption and molecular siting of CO_2 , water, and other gases in the superhydrophobic, flexible pores of FMOF-1 from experiment and simulation. <i>Chemical Science</i> , 2017, 8, 3989-4000.	3.7	60
36	Real-Time Observation of Order-Disorder Transformation of Organic Cations Induced Phase Transition and Anomalous Photoluminescence in Hybrid Perovskites. <i>Advanced Materials</i> , 2018, 30, e1705801.	11.1	60

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37	Structural studies of formamidine compounds: from neutral to anionic and cationic species. <i>Polyhedron</i> , 1997, 16, 541-550.	1.0	57
38	Cu(HCO ₂) ₂ L {L = pyrazine, 4,4'-bipyridine}: employing the formate anion as a building block in three-dimensional coordination polymers. <i>Dalton Transactions</i> , 2003, , 2905-2911.	1.6	55
39	A chain of five chromium(II) atoms: a desired compound with an undesired, unsurprising, but important structure. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 517-518.	1.1	53
40	Extended metal atom chains (EMACs) of five chromium or cobalt atoms: Symmetrical or unsymmetrical?. <i>Dalton Transactions</i> , 2004, , 2297.	1.6	51
41	Chiral Organometallic Triangles with Rh ⁺ Rh Bonds. 1. Compounds Prepared from Racemic Rh ₂ (C ₆ H ₄ PPh ₂) ₂ (OAc) ₂ . <i>Inorganic Chemistry</i> , 2004, 43, 8394-8403.	1.9	51
42	Chiral Organometallic Triangles with Rh ⁺ Rh Bonds. 2. Compounds Prepared from Enantiopure cis-Rh ₂ (C ₆ H ₄ PPh ₂) ₂ (OAc) ₂ (HOAc) ₂ and Their Catalytic Potentials. <i>Inorganic Chemistry</i> , 2005, 44, 8223-8233.	1.9	51
43	Structural and Magnetic Evidence Concerning Spin Crossover in Formamidinate Compounds with Ru ²⁺ Cores. <i>Journal of the American Chemical Society</i> , 2005, 127, 5008-5009.	6.6	51
44	Site Mixing for Engineering Magnetic Topological Insulators. <i>Physical Review X</i> , 2021, 11, .	2.8	50
45	From end-on coordination of acetonitrile molecule to crosswise bridging ; formation of iminophosphinoacetamidate ligands in a dimolybdenum complex by further reactions with nucleophiles. <i>Polyhedron</i> , 1998, 17, 2781-2793.	1.0	49
46	Searching for Precursors to Metal ⁺ Metal Bonded Dipalladium Species: A Study of Pd ²⁺ Complexes. <i>Inorganic Chemistry</i> , 2005, 44, 6129-6137.	1.9	49
47	Preparation of cyclohexene isotopologues and stereoisotopomers from benzene. <i>Nature</i> , 2020, 581, 288-293.	13.7	49
48	Linear Tricobalt Compounds with Di-(2-pyridyl)amide (dpa) Ligands: Studies of the Paramagnetic Compound Co ₃ (dpa) ₄ Cl ₂ in Solution. <i>Inorganic Chemistry</i> , 1999, 38, 6294-6297.	1.9	48
49	Time-Resolved in Situ Neutron Diffraction Studies of Gas Hydrate: Transformation of Structure II (sII) to Structure I (sI). <i>Journal of the American Chemical Society</i> , 2001, 123, 12826-12831.	6.6	48
50	Metal ⁺ Metal Bonding in Mixed Valence Ni ²⁺ Complexes and Spectroscopic Evidence for a Ni ³⁺ Species. <i>Inorganic Chemistry</i> , 2006, 45, 4396-4406.	1.9	48
51	Cleavage of Formamidinate Ligands on a Ta-Ta Double Bond: Formation of HxCNAr _x (x= 0 and 1) and Arylimido-Bridged Complexes. <i>Inorganic Chemistry</i> , 1997, 36, 896-901.	1.9	47
52	Homologues of the Easily Ionized Compound Mo ₂ (hpp) ₄ Containing Smaller Bicyclic Guanidinate. <i>Inorganic Chemistry</i> , 2006, 45, 5493-5500.	1.9	47
53	Strong Electronic Coupling between Dimolybdenum Units Linked by the N,N'-Dimethyloxamidate Anion in a Molecule Having a Heteronaphthalene-like Structure. <i>Journal of the American Chemical Society</i> , 2004, 126, 14822-14831.	6.6	46
54	Lattice dynamics and the nature of structural transitions in organolead halide perovskites. <i>Physical Review B</i> , 2016, 94, .	1.1	46

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55	Paramagnetic Precursors for Supramolecular Assemblies: Selective Syntheses, Crystal Structures, and Electrochemical and Magnetic Properties of Ru ₂ (O ₂ CMe) _{4-n} (formamidinate) _n Cl Complexes, n = 1-4. <i>Inorganic Chemistry</i> , 2004, 43, 8290-8300.	1.9	45
56	Getting the right answer to a key question concerning molecular wires. <i>Chemical Communications</i> , 1999, , 2461-2462.	2.2	44
57	New Chemistry of the Triply Bonded Divanadium (V ₂ ⁴⁺) Unit and Reduction to an Unprecedented V ₂ ³⁺ Core. <i>Inorganic Chemistry</i> , 2003, 42, 6063-6070.	1.9	44
58	Fully Localized Mixed-Valence Oxidation Products of Molecules Containing Two Linked Dimolybdenum Units: An Effective Structural Criterion. <i>Journal of the American Chemical Society</i> , 2003, 125, 12945-12952.	6.6	43
59	Reciprocal Salt Flux Growth of LiFePO ₄ Single Crystals with Controlled Defect Concentrations. <i>Chemistry of Materials</i> , 2013, 25, 4574-4584.	3.2	43
60	A suite-level review of the neutron single-crystal diffraction instruments at Oak Ridge National Laboratory. <i>Review of Scientific Instruments</i> , 2018, 89, 092802.	0.6	43
61	Proof of Large Positive Zero-Field Splitting in a Ru ²⁺ Paddlewheel. <i>Journal of the American Chemical Society</i> , 2005, 127, 12691-12696.	6.6	42
62	Structure symmetry determination and magnetic evolution in Sr ₂ Ir ^x Rh _x O ₄ . <i>Physical Review B</i> , 2015, 92, .	1.1	42
63	Can crystal structure determine molecular structure? For Co ₃ (dpa) ₄ Cl ₂ , yes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 3327-3328.	1.1	40
64	Facilitating Access to the Most Easily Ionized Molecule: an Improved Synthesis of the Key Intermediate, W ₂ (hpp) ₄ Cl ₂ , and Related Compounds. <i>Inorganic Chemistry</i> , 2006, 45, 201-213.	1.9	40
65	X-ray and Neutron Structure Determination and Magnetic Properties of New Quaternary Phases RE _{0.67} Ni ₂ Ga _{5+n-x} Ge _x and RE _{0.67} Ni ₂ Ga _{5+n-x} Si _x (n = 0, 1; RE = Y, Sm, Gd, Tb, Dy, Ho, Er, Tm) Synthesized in Liquid Ga. <i>Chemistry of Materials</i> , 2002, 14, 3066-3081.	3.2	39
66	Resolving conformational ambiguities in M ₂ (hpp) ₄ Cl ₂ paddlewheel compounds: M = Mo, W, Re, Ru, Os, Ir, Pd, Pt. <i>Inorganica Chimica Acta</i> , 2003, 351, 191-200.	1.2	39
67	REMGa ₃ Ge and RE ₃ Ni ₃ Ga ₈ Ge ₃ (M = Ni, Co; RE = Rare-Earth Element): New Intermetallics Synthesized in Liquid Gallium. X-ray, Electron, and Neutron Structure Determination and Magnetism. <i>Inorganic Chemistry</i> , 2003, 42, 6412-6424.	1.9	39
68	The First Structurally Confirmed Paddlewheel Compound with an M ₂₇ ⁺ Core: [Os ₂ (hpp) ₄ Cl ₂](PF ₆). <i>Inorganic Chemistry</i> , 2003, 42, 670-672.	1.9	38
69	On the Chemistry and Physical Properties of Flux and Floating Zone Grown SmB ₆ Single Crystals. <i>Scientific Reports</i> , 2016, 6, 20860.	1.6	38
70	Thermodynamic and kinetic studies of H ₂ and N ₂ binding to bimetallic nickel-group 13 complexes and neutron structure of a Ni(μ ² -H ₂) adduct. <i>Chemical Science</i> , 2019, 10, 7029-7042.	3.7	38
71	Synthesis of Bimetallic Copper-Rich Nanoclusters Encapsulating a Linear Palladium Dihydride Unit. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4943-4947.	7.2	38
72	Steps on the way to the first dirhodium tetracarboxylate with no axial ligation: synthetic lessons and a plethora of Rh ₂ (O ₂ CR) ₄ L ₂ ⁿ compounds, n = 0, 1, 2. <i>Inorganica Chimica Acta</i> , 2002, 337, 233-246.	1.2	37

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73	Synthesis, Spectroscopic Properties, and Photoconductivity of Black Absorbers Consisting of Pt(Bipyridine)(Dithiolate) Charge Transfer Complexes in the Presence and Absence of Nitrofluorenone Acceptors. <i>Journal of the American Chemical Society</i> , 2014, 136, 16185-16200.	6.6	37
74	Copper Clusters Containing Hydrides in Trigonal Pyramidal Geometry. <i>Inorganic Chemistry</i> , 2020, 59, 2536-2547.	1.9	37
75	nido-Metalloborane Complexes: Synthesis and Structural Characterization of η^3 -1,4-Hexahydrodiborato-tetrakis(N,N'-diarylformamidinato)ditantalum(III), Aryl = p-Tolyl and Phenyl. The First Structurally Characterized Complexes Containing the η^3 -1,4-B ₂ H ₆ -Ligand. <i>Journal of the American Chemical Society</i> , 1996, 118, 4830-4833.	6.6	36
76	Isolation of the New Cubic Phases RE ₄ FeGa _{12-x} Gex (RE = Sm, Tb; x = 2.5) from Molten Gallium: A Single-Crystal Neutron Diffraction Study of the Ga/Ge Distribution. <i>Inorganic Chemistry</i> , 2002, 41, 6056-6061.	1.9	36
77	Dimolybdenum-Containing Molecular Triangles and Squares with Diamidate Linkers: Structural Diversity and Complexity. <i>Inorganic Chemistry</i> , 2006, 45, 2619-2626.	1.9	36
78	Polyhydrido Copper Nanoclusters with a Hollow Icosahedral Core: [Cu ₃₀ H ₁₈]{E ₂ P(OR) ₂ } ₁₂ (E = S or Se). <i>Journal of the American Chemical Society</i> , 2010, 132, 1007-1010.	10.0	36
79	Paramagnetism at Ambient Temperature, Diamagnetism at Low Temperature in a Ru ₂₆ +Core: Structural Evidence for Zero-Field Splitting. <i>Inorganic Chemistry</i> , 2004, 43, 8373-8378.	1.9	35
80	Structural investigation of the bilayer iridate Sr_3O_7 . <i>Physical Review B</i> , 2016, 93, 080401.	1.1	35
81	Solution ³¹ P NMR Study of the Acid-Catalyzed Formation of a Highly Charged {U ₂₄ Pp ₁₂ } Nanocluster, [(UO ₂) ₂₄ (O ₂) ₂₄ (P ₂ O ₇) ₁₂] ⁴⁸⁻ and Its Structural Characterization in the Solid State Using Single-Crystal Neutron Diffraction. <i>Journal of the American Chemical Society</i> , 2016, 138, 8547-8553.	6.6	35
82	Hydride-Containing Eight-Electron Pt/Ag Superatoms: Structure, Bonding, and Multi-NMR Studies. <i>Journal of the American Chemical Society</i> , 2022, 144, 10599-10607.	6.6	35
83	Structural and magnetic properties of Co ₃ (dpa) ₄ Br ₂ . <i>Dalton Transactions RSC</i> , 2001, , 386-391.	2.3	34
84	How Small Variations in Crystal Interactions Affect Macroscopic Properties. <i>Journal of the American Chemical Society</i> , 2007, 129, 12666-12667.	6.6	34
85	Expanding Lorentz and spectrum corrections to large volumes of reciprocal space for single-crystal time-of-flight neutron diffraction. <i>Journal of Applied Crystallography</i> , 2016, 49, 497-506.	1.9	34
86	Dinuclear and Heteropolynuclear Complexes Containing Mo ²⁺ Units. <i>Inorganic Chemistry</i> , 2001, 40, 420-426.	1.9	33
87	Free H ₂ Rotation vs Jahn-Teller Constraints in the Nonclassical Trigonal (TPB)CoH ₂ Complex. <i>Journal of the American Chemical Society</i> , 2014, 136, 14998-15009.	6.6	33
88	Metal-assisted unorthodox reactions of formamidines: coupling, cleavage and insertions. <i>Polyhedron</i> , 1997, 16, 1177-1191.	1.0	32
89	Direct observation of I ₂ -imine formation through I ₂ -H abstraction between amide ligands. Neutron and X-ray diffraction structure of a dihydride imine ditantalum complex. Electronic supplementary information (ESI) available: experimental section; X-ray ORTEP views of 1a and 1b; HMQC and NOESY NMR spectra. See http://www.rsc.org/suppdata/cc/b1/b108913g/ . <i>Chemical Communications</i> , 2002, , 230-231.	2.2	32
90	A hardwon dirhodium paddlewheel with guanidinate type (hpp) bridging ligands. <i>Dalton Transactions</i> , 2005, , 3713.	1.6	32

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91	Molecular and Electronic Structure of Cyclic Trinuclear Gold(I) Carbenate Complexes: Insights for Structure/Luminescence/Conductivity Relationships. <i>Inorganic Chemistry</i> , 2014, 53, 7485-7499.	1.9	32
92	Microdomain dynamics in single-crystal BaTiO_3 during paraelectric-ferroelectric phase transition measured with time-of-flight neutron scattering. <i>Physical Review B</i> , 2015, 92, .	1.1	32
93	Trapping Tetramethoxyzincate and -cobaltate(II) between Mo^{24+} Units. <i>Inorganic Chemistry</i> , 2003, 42, 4619-4623.	1.9	31
94	High-resolution neutron crystallographic studies of the hydration of the coenzyme cob(II)alamin. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2011, 67, 584-591.	2.5	30
95	Structural modulations and magnetic properties of off-stoichiometric Ni-Mn-Ga magnetic shape memory alloys. <i>Physical Review B</i> , 2012, 85, .	1.1	30
96	Isolation and Structural Elucidation of $15\text{-}\mu\text{Nuclear Copper Dihydride Clusters: An Intermediate in the Formation of a Two-}\mu\text{Electron Copper Superatom}$. <i>Small</i> , 2021, 17, e2002544.	5.2	30
97	Strong reducing agents containing dimolybdenum Mo^{24+} units and their oxidized cations with $\text{Mo}^{25+/6+}$ cores stabilized by bicyclic guanidinate anions with a seven-membered ring. <i>Dalton Transactions</i> , 2006, , 4623.	1.6	29
98	Neutron Instruments for Research in Coordination Chemistry. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1065-1089.	1.0	29
99	Trinuclear complexes of copper, cobalt and iron with $\text{N}_3\text{-di(2-pyridyl) formamidinate ligands, [M}_3(\text{DPyF})_4][\text{PF}_6]_2$. <i>Inorganic Chemistry Communication</i> , 1998, 1, 281-283.	1.8	28
100	Better Understanding of the Species with the Shortest Re^{26+} Bonds and Related Re^{27+} Species with Tetraguanidinate Paddlewheel Structures. <i>Inorganic Chemistry</i> , 2007, 46, 1718-1726.	1.9	28
101	Synthesis and reactivity of a very strong reducing agent containing a quadruple bond: structures of $\text{W}_2(\text{hpp})_4$ and $\text{W}_2(\text{hpp})_4\text{Cl}_2\cdot 4\text{CH}_2\text{Cl}_2$. <i>Inorganic Chemistry Communication</i> , 2003, 6, 121-126.	1.8	27
102	Improving the accuracy and resolution of neutron crystallographic data by three-dimensional profile fitting of Bragg peaks in reciprocal space. <i>Acta Crystallographica Section D: Structural Biology</i> , 2018, 74, 1085-1095.	1.1	27
103	Reactivities of Interstitial Hydrides in a Cu_{11} Template: En Route to Bimetallic Clusters. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	25
104	Low-Valent Ditantalum Complex $\text{Ta}_2(\text{t}^1\text{-BH}_3)(\text{t}^1\text{-dmpm})_3(\text{t}^1\text{-2-BH}_4)_2$: A First Dinuclear Compound Containing a Bridging BH_3 Group with Direct Ta-B Bonds. <i>Journal of the American Chemical Society</i> , 1998, 120, 9594-9599.	6.6	24
105	Manipulating Magnetism: Ru_2^{5+} Paddlewheels Devoid of Axial Interactions. <i>Journal of the American Chemical Society</i> , 2014, 136, 9580-9589.	6.6	24
106	Metal Control of the Reaction Site in Reactions of $[(\text{t}^1\text{-C}_5\text{H}_3)_2(\text{SiMe}_2)_2]\text{M}_2(\text{CO})_4(\text{t}^1\text{-H})^+$ (M = Fe, Ru, Os) with Nucleophilic Amines. <i>Organometallics</i> , 2002, 21, 3292-3296.	1.1	23
107	Increasing the solubility of strong reducing agents containing Mo^{24+} units and alkyl-substituted guanidinate ligands. <i>Dalton Transactions</i> , 2007, , 3943.	1.6	23
108	Dialing in Direct Air Capture of CO_2 by Crystal Engineering of Bisiminoguanidines. <i>ChemSusChem</i> , 2020, 13, 6381-6390.	3.6	23

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109	A mixed-valence compound with one unpaired electron delocalized over four molybdenum atoms in a cyclic tetranuclear ion. <i>Chemical Communications</i> , 2003, , 2190.	2.2	22
110	Single-Crystal Time-of-Flight Neutron Diffraction and Magic-Angle-Spinning NMR Spectroscopy Resolve the Structure and ¹ H and ⁷ Li Dynamics of the Uranyl Peroxide Nanocluster U ₆₀ . <i>Inorganic Chemistry</i> , 2017, 56, 9676-9683.	1.9	22
111	Spectroscopic Studies of the Magnetic Excitation and Spin-Phonon Couplings in a Single-Molecule Magnet. <i>Chemistry - A European Journal</i> , 2019, 25, 15846-15857.	1.7	22
112	Quantitative analysis of hydrogen sites and occupancy in deep mantle hydrous wadsleyite using single crystal neutron diffraction. <i>Scientific Reports</i> , 2016, 6, 34988.	1.6	21
113	Structural Characterization of η^2 -Agostic Bonds in Pd-Catalyzed Polymerization. <i>Organometallics</i> , 2017, 36, 4099-4102.	1.1	21
114	A Wonderful Bond That Wasn't There: A Reformulation of a Compound α -Containing a Ta-Ta Bond without Bridging Ligands as [(Cy ₂ N) ₂ ClTa(η^4 -H)] ₂ . <i>Journal of the American Chemical Society</i> , 1996, 118, 12449-12450.	6.6	20
115	Synthesis and Characterization of Group 4 Amide Chloride and Amide Imide Complexes. <i>Organometallics</i> , 2009, 28, 4269-4275.	1.1	20
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