Xiaoping Wang

List of Publications by Year
in descending order

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212 papers	7,873 citations	47006 47 h-index	69250 77 g-index
224 all docs	224 docs citations	224 times ranked	8035 citing authors

#	Article	IF	Citations
1	Reactivities of Interstitial Hydrides in a Cu₁₁ Template: En Route to Bimetallic Clusters. Angewandte Chemie, 2022, 134, e202113266.	2.0	5
2	Reactivities of Interstitial Hydrides in a Cu₁₁ Template: En Route to Bimetallic Clusters. Angewandte Chemie - International Edition, 2022, 61, .	13.8	25
3	Role of the third dimension in searching for Majorana fermions in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â^'</mml:mtext><mml:msub via phonons. Physical Review Research, 2022, 4, .	3.6	14
4	Neutron diffraction and linear GrÃ¼neisen parameter studies of magnetism in NdFe2Ga8. Physical Review B, 2022, 105, .	3.2	2
5	Insulating antiferromagnetism in VTe. Physical Review B, 2022, 105, .	3.2	2
6	Hydride-Containing Eight-Electron Pt/Ag Superatoms: Structure, Bonding, and Multi-NMR Studies. Journal of the American Chemical Society, 2022, 144, 10599-10607.	13.7	35
7	Atomic View of Aqueous Cyclosporine A: Unpacking a Decades-Old Mystery. Journal of the American Chemical Society, 2022, 144, 12602-12607.	13.7	7
8	Anisotropic magnon damping by zero-temperature quantum fluctuations in ferromagnetic CrGeTe3. Nature Communications, 2022, 13, .	12.8	10
9	Spin Waves and Magnetic Exchange Hamiltonian in CrSBr. Advanced Science, 2022, 9, .	11.2	20
10	Isolation and Structural Elucidation of 15â€Nuclear Copper Dihydride Clusters: An Intermediate in the Formation of a Twoâ€Electron Copper Superatom. Small, 2021, 17, e2002544.	10.0	30
11	Aggregation-induced phosphorescence sensitization in two heptanuclear and decanuclear goldâ€“silver sandwich clusters. Chemical Science, 2021, 12, 702-708.	7.4	16
12	Operando single crystal neutron diffraction reveals insight into the field response mechanisms in the hydrogen-bonded KH2PO4 ferroelectric. APL Materials, 2021, 9, .	5.1	1
13	Neutron Diffraction Study of Significant sp³ and sp² Câ€“H Bond Shortening in a Fluorinated Pyridinium Saccharinate. Journal of the American Chemical Society, 2021, 143, 5550-5557.	13.7	12
14	Electro-Optic Modulation Using Metal-Free Perovskites. ACS Applied Materials & Interfaces, 2021, 13, 19042-19047.	8.0	12
15	Canted antiferromagnetic order and spin dynamics in the honeycomb-lattice compound <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Tb</mml:mi><mml:mn 2 Physical Review B, 2021, 103, .	3.2	5
16	Site Mixing for Engineering Magnetic Topological Insulators. Physical Review X, 2021, 11, .	8.9	50
17	Unexpected Hydride: Ce4B2C2H2.42, a Stuffed Variant of the Nd2BC Structure Type. Crystal Growth and Design, 2021, 21, 5164-5171.	3.0	3
18	Understanding the Reactivity and Decomposition of a Highly Active Iron Pincer Catalyst for Hydrogenation and Dehydrogenation Reactions. ACS Catalysis, 2021, 11, 10631-10646.	11.2	11

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19	H-Atom Assignment and Sbâ€“O Bonding of [Mes₃SbOH][O₃SPh] Confirmed by Neutron Diffraction, Multipole Modeling, and Hirshfeld Atom Refinement. Inorganic Chemistry, 2021, 60, 16048-16052.	4.0	5
20	Quantum liquid from strange frustration in the trimer magnet Ba4Ir3O10. Npj Quantum Materials, 2020, 5, .	5.2	14
21	Dialing in Direct Air Capture of CO₂ by Crystal Engineering of Bisiminoguanidines. ChemSusChem, 2020, 13, 6381-6390.	6.8	23
22	Flux Synthesis of a Metal Carbide Hydride Using Anthracene As a Reactant. Inorganic Chemistry, 2020, 59, 11651-11657.	4.0	6
23	Au₃-to-Ag₃coordinate-covalent bonding and other supramolecular interactions with covalent bonding strength. Chemical Science, 2020, 11, 11179-11188.	7.4	12
24	Preparation of cyclohexene isotopologues and stereoisotopomers from benzene. Nature, 2020, 581, 288-293.	27.8	49
25	Polyhydrido Copper Nanoclusters with a Hollow Icosahedral Core: [Cu₃₀H₁₈{E₂P(OR)₂}₁₂] (E=S or Se;) Tj ETQq1 1 0.784314 rgBT /Ov	3.0	46
26	Manganese tetraphenylporphyrin bromide and iodide. Studies of structures and magnetic properties. Polyhedron, 2020, 184, 114488.	2.2	9
27	Copper Clusters Containing Hydrides in Trigonal Pyramidal Geometry. Inorganic Chemistry, 2020, 59, 2536-2547.	4.0	37
28	The incommensurately modulated structures of low-temperature labradorite feldspars: a single-crystal X-ray and neutron diffraction study. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2020, 76, 93-107.	1.1	4
29	On single-crystal neutron-diffraction in DACs: quantitative structure refinement of light elements on SNAP and TOPAZ. High Pressure Research, 2020, 40, 339-357.	1.2	5
30	Cool structures from event-based single-crystal neutron diffraction. Acta Crystallographica Section A: Foundations and Advances, 2020, 76, a142-a142.	0.1	0
31	Spectroscopic Studies of the Magnetic Excitation and Spinâ€Phonon Couplings in a Singleâ€Molecule Magnet. Chemistry - A European Journal, 2019, 25, 15846-15857.	3.3	22
32	Hydrogenation of N-Heteroarenes Using Rhodium Precatalysts: Reductive Elimination Leads to Formation of Multimetallic Clusters. Journal of the American Chemical Society, 2019, 141, 17900-17908.	13.7	65
33	Antiferroelectric Phase Transition in a Proton-Transfer Salt of Squaric Acid and 2,3-Dimethylpyrazine. Journal of the American Chemical Society, 2019, 141, 16279-16287.	13.7	6
34	Thermodynamic and kinetic studies of H₂ and N₂ binding to bimetallic nickel-group 13 complexes and neutron structure of a Ni(Î·²-H₂) adduct. Chemical Science, 2019, 10, 7029-7042.	7.4	38
35	Preferential quenching of 5d antiferromagnetic order in Sr3(Ir1âˆ’x Mn x)2O7. Journal of Physics Condensed Matter, 2019, 31, 244003.	1.8	1
36	Emergence of topologically protected states in the MoTe2 Weyl semimetal with layer-stacking order. Physical Review B, 2019, 99, .	3.2	11

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37	Synthesis of Bimetallic Copperâ€Rich Nanoclusters Encapsulating a Linear Palladium Dihydride Unit. Angewandte Chemie - International Edition, 2019, 58, 4943-4947.	13.8	38
38	Synthesis of Bimetallic Copperâ€Rich Nanoclusters Encapsulating a Linear Palladium Dihydride Unit. Angewandte Chemie, 2019, 131, 4997-5001.	2.0	12
39	Lattice disorder effect on magnetic ordering of iron arsenides. Scientific Reports, 2019, 9, 20147.	3.3	0
40	Reorientation of antiferromagnetism in cobalt doped FeSn. Physical Review B, 2019, 100, .	3.2	14
41	Neutron Instruments for Research in Coordination Chemistry. European Journal of Inorganic Chemistry, 2019, 2019, 1065-1089.	2.0	29
42	Direct air capture of CO₂â€“ topological analysis of the experimental electron density (QTAIM) of the highly insoluble carbonate salt of a 2,6-pyridine-bis(iminoguanidine), (PyBIGH₂)(CO₃)(H₂O)₄. IUCrJ, 2019, 6, 56-65.	2.2	11
43	The incommensurately modulated structures of volcanic plagioclase: displacement, ordering and phase transition. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2019, 75, 643-656.	1.1	5
44	Realâ€Time Observation of Orderâ€Disorder Transformation of Organic Cations Induced Phase Transition and Anomalous Photoluminescence in Hybrid Perovskites. Advanced Materials, 2018, 30, e1705801.	21.0	60
45	Synthesis of Surface-Analogue Square-Planar Tetranuclear Nickel Hydride Clusters and Bonding to Ï¼₄-NR, -O and -BH Ligands. Inorganic Chemistry, 2018, 57, 2438-2446.	4.0	15
46	A suite-level review of the neutron single-crystal diffraction instruments at Oak Ridge National Laboratory. Review of Scientific Instruments, 2018, 89, 092802.	1.3	43
47	Temperature dependence of the spin state and geometry in tricobalt paddlewheel complexes with halide axial ligands. Dalton Transactions, 2018, 47, 16798-16806.	3.3	2
48	Revisiting theI{overline {f 1}} structures of high-temperature Ca-rich plagioclase feldspar â€“ a single-crystal neutron and X-ray diffraction study. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2018, 74, 152-164.	1.1	7
49	Determination of hydrogen site and occupancy in hydrous Mg₂SiO₄ spinel by single-crystal neutron diffraction. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2018, 74, 115-120.	1.1	11
50	Unusual effects of Be doping in the iron-based superconductor FeSe. Journal of Physics Condensed Matter, 2018, 30, 445701.	1.8	3
51	Time filtering of event based neutron scattering data: A pathway to study the dynamic structural responses of materials. Review of Scientific Instruments, 2018, 89, 092803.	1.3	6
52	The high pressure gas capabilities at Oak Ridge National Laboratoryâ€™s neutron facilities. Review of Scientific Instruments, 2018, 89, 092907.	1.3	2
53	Synthesis of the labile rhenium(I) complexes fac-Re(CO)3(L)[Îº2-O,O-FcC(O)CHC(O)Me] (where FcÂ=) Tj ETQq1 1 0.784314 rgBT /Overlo Organometallic Chemistry, 2018, 874, 87-100.	1.8	3
54	From the source: student-centred guest lecturing in a chemical crystallography class. Journal of Applied Crystallography, 2018, 51, 909-914.	4.5	9

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55	Fast Rotational Diffusion of Water Molecules in a 2D Hydrogen Bond Network at Cryogenic Temperatures. Physical Review Letters, 2018, 120, 196001.	7.8	10
56	Chemically controlled crystal growth of (CH3NH3)2AgInBr6. CrystEngComm, 2018, 20, 5929-5934.	2.6	20
57	Improving the accuracy and resolution of neutron crystallographic data by three-dimensional profile fitting of Bragg peaks in reciprocal space. Acta Crystallographica Section D: Structural Biology, 2018, 74, 1085-1095.	2.3	27
58	Adsorption and molecular siting of CO₂, water, and other gases in the superhydrophobic, flexible pores of FMOF-1 from experiment and simulation. Chemical Science, 2017, 8, 3989-4000.	7.4	60
59	Neutron and X-ray investigations of the Jahna€"Teller switch in partially deuterated ammonium copper Tutton salt, (NH₄)₂[Cu(H₂O)₆](SO₄)₂. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 87-93.	1.1	3
60	The neutron diffraction structure of [Ir4(IMe)8H10]2+ polyhydride cluster: Testing the computational hydride positional assignments. Journal of Organometallic Chemistry, 2017, 849-850, 17-21.	1.8	8
61	Structural Characterization of Î²-Agostic Bonds in Pd-Catalyzed Polymerization. Organometallics, 2017, 36, 4099-4102.	2.3	21
62	Self-assembly of molecular ions via like-charge ion interactions and through-space defined organic domains. Chemical Communications, 2017, 53, 10934-10937.	4.1	19
63	Improving superconductivity in BaFe2As2-based crystals by cobalt clustering and electronic uniformity. Scientific Reports, 2017, 7, 949.	3.3	13
64	Position Assignment and Oxidation State Recognition of Fe and Co Centers in Heterometallic Mixed-Valent Molecular Precursors for the Low-Temperature Preparation of Target Spinel Oxide Materials. Inorganic Chemistry, 2017, 56, 9574-9584.	4.0	12
65	Single-Crystal Time-of-Flight Neutron Diffraction and Magic-Angle-Spinning NMR Spectroscopy Resolve the Structure and ¹H and ⁷Li Dynamics of the Uranyl Peroxide Nanocluster U₆₀. Inorganic Chemistry, 2017, 56, 9676-9683.	4.0	22
66	Crystal Structure of Hydrazinium Iodide by Neutron Diffraction. Journal of Chemical Crystallography, 2017, 47, 241-244.	1.1	0
67	Doping-driven structural distortion in the bilayer iridate (Sr1â^'xLax)3Ir2O7. Physical Review B, 2017, 95, .	3.2	7
68	Spin density in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>YTiO</mml:mi><mml:mn>3</mml:mn></mml:msub></mm : I. Joint refinement of polarized neutron diffraction and magnetic x-ray diffraction data leading to insights into orbital ordering. Physical Review B, 2017, 96, .	3.2	20
69	Expanding Lorentz and spectrum corrections to large volumes of reciprocal space for single-crystal time-of-flight neutron diffraction. Journal of Applied Crystallography, 2016, 49, 497-506.	4.5	34
70	Orientation of Organic Cations in Hybrid Inorganicâ€"Organic Perovskite CH₃NH₃PbI₃ from Subatomic Resolution Single Crystal Neutron Diffraction Structural Studies. Crystal Growth and Design, 2016, 16, 2945-2951.	3.0	82
71	Lattice dynamics and the nature of structural transitions in organolead halide perovskites. Physical Review B, 2016, 94, .	3.2	46
72	Structural investigation of the bilayer iridate<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mn>3</mml:mn></mml:r mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2016, 93, .	3.2	35

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73	Simultaneous metal-insulator and antiferromagnetic transitions in orthorhombic perovskite iridateSr0.94Ir0.78O2.68single crystals. Physical Review B, 2016, 93, .	3.2	9
74	Quantitative analysis of hydrogen sites and occupancy in deep mantle hydrous wadsleyite using single crystal neutron diffraction. Scientific Reports, 2016, 6, 34988.	3.3	21
75	On the Chemistry and Physical Properties of Flux and Floating Zone Grown SmB6 Single Crystals. Scientific Reports, 2016, 6, 20860.	3.3	38
76	Solution ³¹P NMR Study of the Acid-Catalyzed Formation of a Highly Charged {U₂₄Pp₁₂} Nanocluster, [(UO₂)₂₄(O₂)₂₄(P₂O₇)₁₂]³⁶⁻ and Its Structural Characterization in the Solid State Using Single-Crystal Neutron Diffraction. Journal of the American Chemical Society, 2016, 138, 8547-8553.	13.7	3548â€“
77	Ferroelectric Materials: Nanoscale Atomic Displacements Ordering for Enhanced Piezoelectric Properties in Lead-Free ABO3Ferroelectrics (Adv. Mater. 29/2015). Advanced Materials, 2015, 27, 4329-4329.	21.0	0
78	Microdomain dynamics in single-crystal<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>BaTi</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>during paraelectric-ferroelectric phase transition measured with time-of-flight neutron scattering. Physical Review B, 2015, 92, .	3.2	32
79	Structure symmetry determination and magnetic evolution inSr2Ir1â^'xRhxO4. Physical Review B, 2015, 92, .	3.2	42
80	Synthesis and Structural Features of [4,4â€²-Diisopropoxyester-2,2â€²-bipyridine], [Dichloro(4,4â€²-diisopropoxyester-2,2â€²-bi-pyridine)-platinum(ii)] and Its Dichloromethane Solvated Pseudo-Polymorph: Versatile Supramolecular Interactions. Journal of Chemical Crystallography, 2015, 45, 277-283.	1.1	7
81	Diselenophosphateâ€Induced Conversion of an Achiral [Cu₂₀H₁₁{S₂P(OiPr)₂}₉] into a Chiral [Cu₂₀H₁₁{Se₂P(OiPr)₂}₉] Polyhydrido Nanocluster. Angewandte Chemie - International Edition, 2015, 54, 13604-13608.	13.8	104
82	Nanoscale Atomic Displacements Ordering for Enhanced Piezoelectric Properties in Leadâ€Free ABO₃ Ferroelectrics. Advanced Materials, 2015, 27, 4330-4335.	21.0	8
83	Formation of a Fluorous/Organic Biphasic Supramolecular Octopus Assembly for Enhanced Porphyrin Phosphorescence in Air. Angewandte Chemie - International Edition, 2015, 54, 4842-4846.	13.8	7
84	Synthesis of the Stereoisomeric Clusters 1,2-Os3(CO)10(trans-dpmn) and 1,2-Os3(CO)10(cis-dpmn) [where dpmnÂ=Â2,3-bis(diphenylphosphinomethyl)-5-norbornene]: DFT Evaluation of the Isomeric Clusters 1,2-Os3(CO)10(dpmn) and Isomer-Dependent Diphosphine Ligand Activation. Journal of Cluster Science, 2015, 26, 93-109.	3.3	2
85	[Cu₃₂(H)₂₀{S₂P(OiPr)₂}₁₂]: The Largest Number of Hydrides Recorded in a Molecular Nanocluster by Neutron Diffraction. Chemistry - A European Journal, 2015, 21, 8369-8374.	3.3	118
86	Quantitative analysis of intermolecular interactions in orthorhombic rubrene. IUCrJ, 2015, 2, 563-574.	2.2	206
87	Anharmonicity and atomic distribution of SnTe and PbTe thermoelectrics. Physical Review B, 2014, 90, .	3.2	64
88	Accurate atomic displacement parameters from time-of-flight neutron-diffraction data at TOPAZ. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, 679-681.	0.1	12
89	Heterolytic Cleavage of Hydrogen by an Iron Hydrogenase Model: An Feâ€Hâ‹…â‹…â‹…Hâ€N Dihydrogen Bond Characterized by Neutron Diffraction. Angewandte Chemie - International Edition, 2014, 53, 5300-5304.	13.8	102
90	Frontispiece: Heterolytic Cleavage of Hydrogen by an Iron Hydrogenase Model: An Fe-Hâ‹…â‹…â‹…H-N Dihydrogen Bond Characterized by Neutron Diffraction. Angewandte Chemie - International Edition, 2014, 53, n/a-n/a.	13.8	0

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91	Intermolecular Interactions in Solid-State Metalloporphyrins and Their Impacts on Crystal and Molecular Structures. Inorganic Chemistry, 2014, 53, 11552-11562.	4.0	11
92	Synthesis, Spectroscopic Properties, and Photoconductivity of Black Absorbers Consisting of Pt(Bipyridine)(Dithiolate) Charge Transfer Complexes in the Presence and Absence of Nitrofluorenone Acceptors. Journal of the American Chemical Society, 2014, 136, 16185-16200.	13.7	37
93	Manipulating Magnetism: Ru₂⁵⁺ Paddlewheels Devoid of Axial Interactions. Journal of the American Chemical Society, 2014, 136, 9580-9589.	13.7	24
94	Neutron Diffraction Studies of a Four-Coordinated Hydride in Near Square-Planar Geometry. Inorganic Chemistry, 2014, 53, 11140-11145.	4.0	67
95	Free H₂ Rotation vs Jahnâ€"Teller Constraints in the Nonclassical Trigonal (TPB)Coâ€"H₂ Complex. Journal of the American Chemical Society, 2014, 136, 14998-15009.	13.7	33
96	LiCa₃As₂H and Ca₁₄As₆X₇ (X = C, H, N): Two New Arsenide Hydride Phases Grown from Ca/Li Metal Flux. Inorganic Chemistry, 2014, 53, 10620-10626.	4.0	9
97	Molecular and Electronic Structure of Cyclic Trinuclear Gold(I) Carbeniate Complexes: Insights for Structure/Luminescence/Conductivity Relationships. Inorganic Chemistry, 2014, 53, 7485-7499.	4.0	32
98	Integration of neutron time-of-flight single-crystal Bragg peaks in reciprocal space. Journal of Applied Crystallography, 2014, 47, 915-921.	4.5	82
99	Frontispiz: Heterolytic Cleavage of Hydrogen by an Iron Hydrogenase Model: An Fe-Hâ‹…â‹…â‹…H-N Dihydrogen Bond Characterized by Neutron Diffraction. Angewandte Chemie, 2014, 126, n/a-n/a.	2.0	0
100	Reciprocal Salt Flux Growth of LiFePO₄ Single Crystals with Controlled Defect Concentrations. Chemistry of Materials, 2013, 25, 4574-4584.	6.7	43
101	Phosphinoborane-induced fragmentation of the unsaturated hydride H2Re2(CO)8: X-ray structure of HRe(CO)4(ÎºB,P-Ph2PCH2CH2BR2) (where BR2Â=Â9-borabicyclo[3.3.1]nonanyl) and DFT Evaluation of hydride versus CO coordination by the ancillary borane. Journal of Organometallic Chemistry, 2012, 700, 103-109.	1.8	9
102	Synthesis, Structure, and Physical Properties ofLn(Cu,Al,Ga)13â€"x(Ln= Laâ€"Pr, and Eu) and Eu(Cu,Al)13â€"x. Inorganic Chemistry, 2012, 51, 10193-10202.	4.0	5
103	CO Substitution in HOs3(CO)10(Î¼-SC6H4Me-4) by the Diphosphine 4,5-Bis(diphenylphosphino)-4-cyclopentadiene-1,3-dione (bpcd): Structural and DFT Evaluation of the Isomeric Clusters HOs3(CO)8(bpcd)(Î¼-SC6H4Me-4). Journal of Cluster Science, 2012, 23, 685-702.	3.3	11
104	Structural modulations and magnetic properties of off-stoichiometric Ni-Mn-Ga magnetic shape memory alloys. Physical Review B, 2012, 85, .	3.2	30
105	Unexpected formation of a trinuclear complex containing a Ta(iv)â€"Ta(iv) bond in the reactions of ButNî€Ta(NMe2)3 with silanes. Chemical Communications, 2011, 47, 8685.	4.1	13
106	Experimental and Computational Studies of the Isomerization Reactions of Bidentate Phosphine Ligands in Triosmium Clusters: Kinetics of the Rearrangements from Bridged to Chelated Isomers and X-ray Structures of the Clusters Os₃(CO)₁₀(dppbz), 1,1-Os₃(CO)₁₀(dppbzF₄), HOs₃(CO)₉[Î¼-1,2-PhP(C₆H₄-Î·¹)C₆H₄PPh		

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109	CrystalPlan: an experiment-planning tool for crystallography. Journal of Applied Crystallography, 2011, 44, 418-423.	4.5	67
110	High-resolution neutron crystallographic studies of the hydration of the coenzyme cob(II)alamin. Acta Crystallographica Section D: Biological Crystallography, 2011, 67, 584-591.	2.5	30
111	New osmium cluster compounds containing the heterocyclic ligand 2,3-bis-(diphenylphosphino)quinoxaline (dppq): Ligand isomerization and crystal structures of dppq, the isomeric clusters Os3(CO)10(dppq), and HOs3(CO)9[Î¼-2,3-PhP(Î·1-C6H4)(Ph2P)quinoxaline]. Journal of Organometallic Chemistry, 2011, 696, 1432-1440.	1.8	13
112	Chloride Metathesis and Dimethylamide Transfer in the Reaction of TaCl(NMe2)4 with ZnMe2 and MeMgCl: Spectroscopic Studies and X-ray Diffraction Structures of TaCl(Me)(NMe2)3 and ZnCl2(NHMe2)2. Journal of Chemical Crystallography, 2010, 40, 173-178.	1.1	4
113	Diphosphine- and CO-Induced Fragmentation of Chloride-bridged Dinuclear Complex and Cp*Ir(Î¼-Cl)3Re(CO)3 and Attempted Synthesis of Cp*Ir(Î¼-Cl)3Mn(CO)3: Spectroscopic Data and X-ray Diffraction Structures of the Pentamethylcyclopentadienyl Compounds [Cp*IrCl{(Z)-Ph2PCHÂ=ÂCHPPh2}][Cl]Â·2CHCl3 and Cp*Ir(CO)Cl2. Journal of Chemical Crystallography, 2010, 40, 453-460.	1.1	2
114	New Pt(II)(dithiolate) Compounds Possessing an Energetically Accessible Diphosphine-Based LUMO: Syntheses, Redox Properties, and Solid-State Structures of PtCl2(pbpcd), Pt(tdt)(pbpcd), and Pt(tdt)(bpcd). Journal of Inorganic and Organometallic Polymers and Materials, 2010, 20, 457-467.	3.7	2
115	New octahedral Ta(V) hydrazido-substituted compounds for atomic layer deposition: Syntheses, X-ray diffraction structures of TaCl(NMe2)3[N(TMS)NMe2] and Ta(NMe2)4[N(TMS)NMe2], and fluxional behavior of the amido and hydrazido ligands in solution. Polyhedron, 2010, 29, 1754-1759.	2.2	8
116	Isomerization of the diphosphine ligand 3,4-bis(diphenylphosphino)-5-methoxy-2(5H)-furanone (bmf) at a triosmium cluster and Pâ€"C bond cleavage in the unsaturated cluster 1,1-Os3(CO)9(bmf): Synthesis and X-ray diffraction structures of the isomeric Os3(CO)10(bmf) clusters and HOs3(CO)8(Î¼-C6H4)[Î¼-PhPCC(Ph2P)CH(OMe)OC(O)]. Polyhedron, 2010, 29, 2814-2821.	2.2	5
117	Synthesis of the donorâ€"acceptor ligand 2-(4-dimethylaminobenzylidene)-4,5-bis(diphenylphosphino)-4-cyclopenten-1,3-dione (dbpcd) and X-ray diffraction structure of the platinum(II) compound PtCl2(dbpcd)Â·1.5CH2Cl2. Inorganica Chimica Acta, 2010, 363, 418-423.	2.4	1
118	Directed Synthesis of the Triangular Mixed-Metal Cluster H₂RhRe₂Cp*(CO)₉: Ligand Fluxionality and Facile Cluster Fragmentation in the Presence of CO, Halogenated Solvents, and Thiols. Organometallics, 2010, 29, 61-75.	2.3	11
119	Ligand substitution behavior of Ru6(Î¼6-C)(CO)17 with unsaturated diphosphines: facile capping of a polyhedral face and photochemically promoted Pâ€"C bond cleavage in the clusterRu6(Î¼6-C)(CO)14(Î¼3-bpcd). Dalton Transactions, 2010, 39, 1620-1629.	3.3	15
120	Crystallographic Observation of Dynamic Gas Adsorption Sites and Thermal Expansion in a Breathable Fluorous Metalâ€"Organic Framework. Angewandte Chemie - International Edition, 2009, 48, 2500-2505.	13.8	196
121	Transfer of Amide and 2-Methoxyethoxy Groups and Sodium Encapsulation in the Reaction of TaCl3[N(TMS)2]2 with Sodium Bis(2-methoxyethoxy)aluminum Hydride: X-ray Structure of [NaAl{N(TMS)2}(OCH2CH2OMe)3]2. Journal of Chemical Crystallography, 2009, 39, 428-432.	1.1	1
122	Syntheses, Spectroscopic Data, and X-ray Diffraction Structures of the Heterometallic RuRe Face-shared Bioctahedral (Î·6-cymene)Ru(Î¼-Cl)3Re(CO)3 and MnRu2 Edge-shared Trioctahedral [fac-ClRu(CO)3]2(Î¼-Cl)4Mn(H2O)2 Complexes. Journal of Chemical Crystallography, 2009, 39, 589-594.	1.1	2
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