

Zi-Ling Xue

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

264
papers

9,665
citations

51
h-index

82
g-index

273
ext. papers

10,114
ext. citations

5.6
avg. IF

5.92
L-index

#	Paper	IF	Citations
264	Solution NMR of Transition Metal Complexes 2022 ,		
263	Applying Unconventional Spectroscopies to the Single-Molecule Magnets, Co(PPh) X (X=Cl, Br, I): Unveiling Magnetic Transitions and Spin-Phonon Coupling. <i>Chemistry - A European Journal</i> , 2021 , 27, 11110-11125	4.8	9
262	Magnetic anisotropies and slow magnetic relaxation of three tetrahedral tetrakis(pseudohalido)cobalt(II) complexes. <i>New Journal of Chemistry</i> , 2021 , 45, 16852-16861	3.6	0
261	Structure, magnetic anisotropy and relaxation behavior of seven-coordinate Co(II) single-ion magnets perturbed by counter-anions. <i>Dalton Transactions</i> , 2020 , 49, 7620-7627	4.3	11
260	Manganese tetraphenylporphyrin bromide and iodide. Studies of structures and magnetic properties. <i>Polyhedron</i> , 2020 , 184, 114488	2.7	5
259	Inter-Kramers Transitions and Spin-Phonon Couplings in a Lanthanide-Based Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2020 , 59, 5218-5230	5.1	12
258	Sustained release of persulfate from inert inorganic materials for groundwater remediation. <i>Chemosphere</i> , 2020 , 259, 127508	8.4	2
257	A capped trigonal prismatic cobalt(II) complex as a structural archetype for single-ion magnets. <i>Dalton Transactions</i> , 2020 , 49, 2063-2067	4.3	19
256	Magnetic anisotropy in square pyramidal cobalt(II) complexes supported by a tetraazo macrocyclic ligand. <i>Dalton Transactions</i> , 2020 , 49, 14837-14846	4.3	3
255	Advanced Magnetic Resonance Studies of Tetraphenylporphyrinatoiron(III) Halides. <i>Applied Magnetic Resonance</i> , 2020 , 51, 1411-1432	0.8	2
254	Zero-Field Slow Magnetic Relaxation and Hysteresis Loop in Four-Coordinate Co Single-Ion Magnets with Strong Easy-Axis Anisotropy. <i>Inorganic Chemistry</i> , 2019 , 58, 12555-12564	5.1	21
253	Magnetic anisotropy and slow magnetic relaxation processes of cobalt(II)-pseudohalide complexes. <i>Dalton Transactions</i> , 2019 , 48, 10743-10752	4.3	14
252	Probing Magnetic Excitations in CoII Single-Molecule Magnets by Inelastic Neutron Scattering. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 1055-1055	2.3	
251	Slow Magnetic Relaxation in a Mononuclear Five-Coordinate Cu(II) Complex. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 4653-4659	2.3	8
250	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	4.8	11
249	Neutron Instruments for Research in Coordination Chemistry. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 1065-1089	2.3	18
248	Probing Magnetic Excitations in CoII Single-Molecule Magnets by Inelastic Neutron Scattering. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 1119-1127	2.3	9

247	Single-Crystal Study of a Low Spin Co(II) Molecular Qubit: Observation of Anisotropic Rabi Cycles. <i>Inorganic Chemistry</i> , 2019 , 58, 2330-2335	5.1	7
246	Synthesis, Structures, and Catalytic Properties of Dinuclear Iridium(I) Complexes with a Hexadentate Macrocyclic Diamine-Tetracarbene Ligand. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 1595-1602	2.3	5
245	Synthesis, structures and luminescence properties of amine-bis(N-heterocyclic carbene) copper(i) and silver(i) complexes. <i>Dalton Transactions</i> , 2018 , 47, 6742-6753	4.3	14
244	Synthesis, structural characterization and NMR studies of group 10 metal complexes with macrocyclic amine N-heterocyclic carbene ligands. <i>Dalton Transactions</i> , 2018 , 47, 4282-4292	4.3	3
243	Synthesis and characterization of Ag(I) and Au(I) complexes with macrocyclic hybrid amine N-heterocyclic carbene ligands. <i>New Journal of Chemistry</i> , 2018 , 42, 4700-4713	3.6	9
242	Effect of magnetic fields on the methyl rotation in a paramagnetic cobalt(ii) complex. Quasielastic neutron scattering studies. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 21119-21126	3.6	8
241	Syntheses and characterization of hepta-coordinated Group 4 amidinate complexes. <i>Dalton Transactions</i> , 2018 , 47, 11030-11040	4.3	5
240	Optical probe for the analysis of trace indole in shrimp. <i>Analytical Biochemistry</i> , 2018 , 557, 104-110	3.1	2
239	Unusual rearrangement of an N-heterocyclic carbene via a ring-opening and ring-closing process. <i>Chemical Communications</i> , 2018 , 54, 7830-7833	5.8	3
238	Luminescent Mechanochromic Dinuclear Cu(I) Complexes with Macrocyclic Diamine-Tetracarbene Ligands. <i>Inorganic Chemistry</i> , 2018 , 57, 13618-13630	5.1	37
237	Magnetic anisotropy and relaxation behavior of six-coordinate tris(pivalato)-Co(ii) and -Ni(ii) complexes. <i>Dalton Transactions</i> , 2018 , 47, 10162-10171	4.3	7
236	Spin-phonon couplings in transition metal complexes with slow magnetic relaxation. <i>Nature Communications</i> , 2018 , 9, 2572	17.4	58
235	Novel Pretreatments of Whole Blood Using Fenton-like Processes for Trace Metal Analysis. <i>Ozone: Science and Engineering</i> , 2017 , 39, 61-66	2.4	
234	Density Functional Theory Study of the Reaction between d Tungsten Alkylidyne Complexes and HO: Addition versus Hydrolysis. <i>Inorganic Chemistry</i> , 2017 , 56, 7111-7119	5.1	8
233	Trends in NMR chemical shifts of d0 transition metal compounds. <i>Journal of Organometallic Chemistry</i> , 2017 , 852, 74-93	2.3	9
232	Synthesis and structural characterization of metal complexes with macrocyclic tetracarbene ligands. <i>New Journal of Chemistry</i> , 2017 , 41, 13442-13453	3.6	10
231	Metal Complexes with a Hexadentate Macrocyclic Diamine-Tetracarbene Ligand. <i>Inorganic Chemistry</i> , 2017 , 56, 11917-11928	5.1	15
230	Slow magnetic relaxation in five-coordinate spin-crossover cobalt(ii) complexes. <i>Chemical Communications</i> , 2017 , 53, 9304-9307	5.8	30

229	Quantitative, colorimetric paper probe for hydrogen sulfide gas. <i>Sensors and Actuators B: Chemical</i> , 2017 , 253, 846-851	8.5	31
228	Preparation of all N-coordinated zirconium amide amidinates and studies of their reactions with dioxygen and water. <i>Polyhedron</i> , 2016 , 103, 2-14	2.7	6
227	Bismuth-Based, Disposable Sensor for the Detection of Hydrogen Sulfide Gas. <i>Analytical Chemistry</i> , 2016 , 88, 1553-8	7.8	34
226	Direct analysis of palladium in active pharmaceutical ingredients by anodic stripping voltammetry. <i>Analytica Chimica Acta</i> , 2016 , 914, 47-52	6.6	10
225	Slow Magnetic Relaxations in Cobalt(II) Tetranitrate Complexes. Studies of Magnetic Anisotropy by Inelastic Neutron Scattering and High-Frequency and High-Field EPR Spectroscopy. <i>Inorganic Chemistry</i> , 2016 , 55, 12603-12617	5.1	31
224	Highly sensitive detection of hexavalent chromium utilizing a sol-gel/carbon nanotube modified electrode. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 781, 120-125	4.1	12
223	[IrO ₄] ⁺ at the IX (+9) oxidation state observed, report states. <i>Science China Chemistry</i> , 2015 , 58, 4-5	7.9	6
222	Slow magnetic relaxation in mononuclear seven-coordinate cobalt(II) complexes with easy plane anisotropy. <i>Dalton Transactions</i> , 2015 , 44, 11482-90	4.3	64
221	Magnetic Transitions in Iron Porphyrin Halides by Inelastic Neutron Scattering and Ab Initio Studies of Zero-Field Splittings. <i>Inorganic Chemistry</i> , 2015 , 54, 9790-801	5.1	42
220	Direct determination of cadmium and lead in pharmaceutical ingredients using anodic stripping voltammetry in aqueous and DMSO/water solutions. <i>Analytica Chimica Acta</i> , 2015 , 893, 25-33	6.6	43
219	Adsorption and removal of sulfonic dyes from aqueous solution onto a coordination polymeric xerogel with amino groups. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 485, 125-135	5.1	23
218	Slow Magnetic Relaxation in Mononuclear Octahedral Manganese(III) Complexes with Dibenzoylmethanide Ligands. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 271-278	2.3	37
217	Four-coordinate Co(II) and Fe(II) complexes with bis(N-heterocyclic carbene)borate and their magnetic properties. <i>Dalton Transactions</i> , 2015 , 44, 908-11	4.3	13
216	Product in indole detection by Ehrlich's reagent. <i>Analytical Biochemistry</i> , 2015 , 484, 21-3	3.1	7
215	Syntheses and Characterization of Tantalum Alkyl Imides and Amide Imides. DFT Studies of Unusual σ -SiMe ₃ Abstraction by an Amide Ligand. <i>Organometallics</i> , 2015 , 34, 5687-5696	3.8	12
214	Optical sensors for the detection of trace chloroform. <i>Analytical Chemistry</i> , 2015 , 87, 1569-74	7.8	21
213	Intermolecular interactions in solid-state metalloporphyrins and their impacts on crystal and molecular structures. <i>Inorganic Chemistry</i> , 2014 , 53, 11552-62	5.1	7
212	Reactions of zirconium amide amidinates with dioxygen. Observation of an unusual peroxy intermediate in the formation of oxo compounds. <i>Chemical Communications</i> , 2014 , 50, 10517-20	5.8	8

211	DFT examination of rare σ -SiMe ₃ abstraction in Ta(NMe ₂) ₄ [N(SiMe ₃) ₂]: formation of the imide compound Ta(=NSiMe ₃)(NMe ₂) ₃ and its trapping to give guanidinate imides. <i>Dalton Transactions</i> , 2014 , 43, 12390-5	4.3	2
210	Magnetic excitations in metalloporphyrins by inelastic neutron scattering: determination of zero-field splittings in iron, manganese, and chromium complexes. <i>Inorganic Chemistry</i> , 2014 , 53, 1955-61	5.1	22
209	Size-controlled synthesis and magnetic properties of copper germanate nanorods. Observation of size-induced quenching of the spin-Peierls transition. <i>CrystEngComm</i> , 2014 , 16, 850-857	3.3	8
208	Synthesis and structural characterization of two heterometallic hybrids containing 0-D and 1-D bromoplumbate anions. <i>Polyhedron</i> , 2014 , 81, 550-554	2.7	7
207	Slow magnetic relaxation in a mononuclear eight-coordinate cobalt(II) complex. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12213-6	16.4	135
206	C-H bond activation during and after the reactions of a metallacyclic amide with silanes: formation of a σ -alkylidene hydride complex, its H-D exchange, and σ -H abstraction by a hydride ligand. <i>Chemistry - A European Journal</i> , 2014 , 20, 6033-9	4.8	3
205	Synthesis and structural characterization of σ -allylpalladium(II) complexes with bis(imidazol-2-ylidene)borate ligands. <i>Polyhedron</i> , 2014 , 83, 44-49	2.7	5
204	Bis(η -Pentamethylcyclopentadienyl) Complexes of Niobium and Tantalum. <i>Inorganic Syntheses</i> , 2014 , 52-57		2
203	A dye-doped optical sensor for the detection of biodiesel in diesel. <i>Chemical Communications</i> , 2013 , 49, 9015-7	5.8	10
202	Reactions of d(0) tungsten alkylidyne complexes with O ₂ or H ₂ O. Formation of an oxo siloxy complex through unusual silyl migrations. <i>Chemical Communications</i> , 2013 , 49, 9555-7	5.8	21
201	Improved Bi Film Wrapped Single Walled Carbon Nanotubes for Ultrasensitive Electrochemical Detection of Trace Cr(VI). <i>Electrochimica Acta</i> , 2013 , 113, 686-693	6.7	42
200	Microwave-assisted synthesis and photocatalytic properties of flower-like Bi ₂ WO ₆ and Bi ₂ O ₃ -Bi ₂ WO ₆ composite. <i>Journal of Colloid and Interface Science</i> , 2013 , 394, 69-77	9.3	58
199	Reactions of a tungsten alkylidyne complex with mono-dentate phosphines: Thermodynamic and theoretical studies. <i>Polyhedron</i> , 2013 , 58, 30-38	2.7	12
198	Microwave-assisted hydrothermal synthesis of cube-like Ag-Ag ₂ MoO ₄ with visible-light photocatalytic activity. <i>Science China Chemistry</i> , 2013 , 56, 443-450	7.9	70
197	Bi ₂ MoO ₆ microstructures: controllable synthesis, growth mechanism, and visible-light-driven photocatalytic activities. <i>CrystEngComm</i> , 2013 , 15, 498-508	3.3	74
196	Reactions of Group 4 amide guanidates with dioxygen or water. Studies of the formation of oxo products. <i>Inorganic Chemistry</i> , 2013 , 52, 11409-21	5.1	11
195	Synthesis, structure and luminescent properties of rhenium(I) carbonyl complexes containing pyrimidine-functionalized N-heterocyclic carbenes. <i>Inorganica Chimica Acta</i> , 2013 , 394, 488-493	2.7	20
194	Fast preparation of flower-like PbGeO ₃ microstructures at low-temperature via a microwave-assisted hydrothermal process. <i>Materials Letters</i> , 2012 , 68, 344-346	3.3	3

193	Preparation of Zirconium Guanidinate Complexes from the Direct Insertion of a Carbodiimine and Aminolysis Using a Guanidine. Comparison of the Reactions. <i>Organometallics</i> , 2012 , 31, 3443-3446	3.8	11
192	Formation of the imide [Ta(NMe ₂) ₃ (NSiMe ₃)] ₂ through an unprecedented NSiMe ₃ abstraction by an amide ligand. <i>Inorganic Chemistry</i> , 2012 , 51, 25-7	5.1	13
191	Microwave-assisted hydrothermal synthesis, growth mechanism and photocatalytic properties of pancake-like Cd(OH) ₂ superstructures. <i>CrystEngComm</i> , 2012 , 14, 3495	3.3	19
190	Blue-Green Luminescent Rhenium(I) Tricarbonyl Complexes with Pyridine-Functionalized N-Heterocyclic Carbene Ligands. <i>Organometallics</i> , 2012 , 31, 3829-3835	3.8	49
189	Pretreatment of whole blood using hydrogen peroxide and UV irradiation. Design of the advanced oxidation process. <i>Talanta</i> , 2012 , 97, 118-23	6.2	7
188	Flower-like self-assembly of gold nanoparticles for highly sensitive electrochemical detection of chromium(VI). <i>Analytica Chimica Acta</i> , 2012 , 722, 1-7	6.6	71
187	Syntheses, structures and electrochemical properties of homoleptic ruthenium(III) and osmium(III) complexes bearing two tris(carbene)borate ligands. <i>Inorganic Chemistry Communication</i> , 2012 , 21, 88-91	3.1	15
186	Synthesis and characterization of rhodium(I) and iridium(I) carbonyl phosphine complexes with bis(N-heterocyclic carbene)borate ligands. <i>Journal of Organometallic Chemistry</i> , 2012 , 710, 36-43	2.3	6
185	Three self-penetrated, interlocked, and polycatenated supramolecular isomers via one-pot synthesis and crystallization. <i>Chemical Communications</i> , 2012 , 48, 681-3	5.8	75
184	Fast preparation of Bi ₂ GeO ₅ nanoflakes via a microwave-hydrothermal process and enhanced photocatalytic activity after loading with Ag nanoparticles. <i>Materials Research Bulletin</i> , 2012 , 47, 2422-2427	5.1	11
183	Formation of stable iron/cobalt NHC complexes via unexpected ring opening and in situ generation of a tridentate ligand. <i>Dalton Transactions</i> , 2012 , 41, 10919-22	4.3	11
182	Syntheses, Structures, and Characteristics of Four New Metal-Organic Frameworks Based on Flexible Tetrpyridines and Aromatic Polycarboxylate Acids. <i>Crystal Growth and Design</i> , 2012 , 12, 3426-3435	3.5	70
181	Synthesis and structural characterization of ruthenium(II) carbonyl complexes with a bistriazole N-heterocyclic carbene ligand. <i>Inorganica Chimica Acta</i> , 2012 , 386, 46-49	2.7	7
180	Synthesis of Organometallic Compounds 2011 , 269-293		3
179	Persimmon-like (BiO) ₂ CO ₃ microstructures: hydrothermal preparation, photocatalytic properties and their conversion into Bi ₂ S ₃ . <i>CrystEngComm</i> , 2011 , 13, 1939-1945	3.3	96
178	Fast preparation and growth mechanism of erythrocyte-like Cd ₂ Ge ₂ O ₆ superstructures via a microwave-hydrothermal process. <i>CrystEngComm</i> , 2011 , 13, 2464	3.3	25
177	Six new metal-organic frameworks based on polycarboxylate acids and V-shaped imidazole-based synthon: syntheses, crystal structures, and properties. <i>Inorganic Chemistry</i> , 2011 , 50, 2404-14	5.1	88
176	Transition metal alkylidene complexes. Pathways in their formation and tautomerization between bis-alkylidenes and alkyl alkylidynes. <i>Journal of Organometallic Chemistry</i> , 2011 , 696, 3924-3934	2.3	20

175	Synthesis and structures of allylpalladium(II) complexes containing bis(1,2,4-triazol-5-ylidene-1-yl)borate ligands. An unusual tetrahedral palladium complex. <i>Journal of Organometallic Chemistry</i> , 2011 , 696, 3800-3806	2.3	6
174	Syntheses, structures and catalytic activities of ruthenium (II) carbonyl iodide complexes with CNC-pincer bis (carbene) ligand. <i>Inorganic Chemistry Communication</i> , 2011 , 14, 1673-1676	3.1	19
173	Ruthenium(II) carbonyl chloride complexes containing pyridine-functionalised bidentate N-heterocyclic carbenes: Synthesis, structures, and impact of the carbene ligands on catalytic activities. <i>Inorganica Chimica Acta</i> , 2011 , 378, 280-287	2.7	20
172	Unusual reaction of a tungsten alkylidyne complex with water. Formation, characterization, and crystal structures of oxo trimers. <i>Science China Chemistry</i> , 2011 , 54, 1903-1908	7.9	9
171	Microwave-assisted solution-phase preparation of flower-like Bi ₂ WO ₆ and its visible-light-driven photocatalytic properties. <i>CrystEngComm</i> , 2011 , 13, 306-311	3.3	90
170	Unexpected formation of a trinuclear complex containing a Ta(IV)-Ta(IV) bond in the reactions of Bu(t)N=Ta(NMe ₂) ₃ with silanes. <i>Chemical Communications</i> , 2011 , 47, 8685-7	5.8	13
169	Iridium(I) and Rhodium(I) Carbonyl Complexes with the Bis(3-tert-butylimidazol-2-ylidene)borate Ligand and Unusual B-H Fluorination. <i>Organometallics</i> , 2011 , 30, 2006-2011	3.8	12
168	Simultaneous Stripping Detection of Pb(II), Cd(II) and Zn(II) Using a Bimetallic Hg-Bi/Single-Walled Carbon Nanotubes Composite Electrode. <i>Journal of Electroanalytical Chemistry</i> , 2011 , 656, 78-84	4.1	96
167	BiOBr hierarchical microspheres: Microwave-assisted solvothermal synthesis, strong adsorption and excellent photocatalytic properties. <i>Journal of Colloid and Interface Science</i> , 2011 , 354, 630-6	9.3	141
166	Stabilization of tetrameric metavanadate ion by tris(1,10-phenanthroline)cobalt(III): Synthesis, spectroscopic and X-ray structural study of [Co(phen) ₃](3)(V(4)O(12))(2)Cl ₁₂ ·7H ₂ O. <i>Journal of Coordination Chemistry</i> , 2010 , 63, 3016-3027	1.6	8
165	Syntheses, Structures, and Photoluminescence of Five New Metal-Organic Frameworks Based on Flexible Tetrpyridines and Aromatic Polycarboxylate Acids. <i>Crystal Growth and Design</i> , 2010 , 10, 2676-2684	3.5	102
164	Syntheses, Structures, and Photochemical Properties of Six New Metal-Organic Frameworks Based on Aromatic Dicarboxylate Acids and V-Shaped Imidazole Ligands. <i>Crystal Growth and Design</i> , 2010 , 10, 4135-4142	3.5	87
163	Microwave-assisted solvothermal synthesis and growth mechanism of WO ₃ ·(H ₂ O) _{0.33} hierarchical microstructures. <i>CrystEngComm</i> , 2010 , 12, 1153-1158	3.3	40
162	Preparation of the Alkyl Complex Ta(η ⁵ -SiMe ₃)[N(SiMe ₃) ₂](CH ₂ But) ₂ . Preferential Oxygen Insertion in Its Reaction with O ₂ and a Ligand Exchange in the Alkoxide Ta(η ⁵ -SiMe ₃)[N(SiMe ₃) ₂](OCH ₂ But) ₂ . <i>Organometallics</i> , 2010 , 29, 5579-5584	3.8	16
161	Formation of aminoxy and oxo complexes from the reaction of Nb(NMe ₂) ₅ with O ₂ and the crystal structure of Nb(NEt ₂) ₅ . <i>Inorganic Chemistry</i> , 2010 , 49, 4017-22	5.1	18
160	Individual and simultaneous determination of lead, cadmium, and zinc by anodic stripping voltammetry at a bismuth bulk electrode. <i>Talanta</i> , 2010 , 82, 675-80	6.2	109
159	Fluorescent-dye-doped sol-gel sensor for highly sensitive carbon dioxide gas detection below atmospheric concentrations. <i>Analytical Chemistry</i> , 2010 , 82, 593-600	7.8	86
158	Microwave-assisted preparation and photocatalytic properties of Zn ₂ GeO ₄ nanorod bundles. <i>CrystEngComm</i> , 2010 , 12, 3201	3.3	36

157	Pancake-like Fe ₂ (MoO ₄) ₃ microstructures: microwave-assisted hydrothermal synthesis, magnetic and photocatalytic properties. <i>New Journal of Chemistry</i> , 2010 , 34, 2027	3.6	55
156	Microwave-assisted solution-phase preparation and growth mechanism of FeMoO ₄ hierarchical hollow spheres. <i>CrystEngComm</i> , 2010 , 12, 207-210	3.3	44
155	Polymer-directed synthesis and magnetic property of nanoparticles-assembled BiFeO ₃ microrods. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 1761-1766	3.3	35
154	Synthesis, Characterization, and Crystal Structures of Metal Amide Cage Complexes Containing a M ₄ O ₄ (M = Nb, Ta) Core Unit. <i>Journal of Cluster Science</i> , 2010 , 21, 325-337	3	13
153	Bis-N-heterocyclic carbene ruthenium(II) carbonyl complexes: Synthesis, structural characterization and catalytic activities in transfer hydrogenation of ketones. <i>Inorganica Chimica Acta</i> , 2010 , 363, 430-437	2.7	37
152	A facile synthesis method of nickel nanotubes assisted by polyethylene glycol. <i>Polymer Engineering and Science</i> , 2010 , 50, 43-47	2.3	8
151	Ionic-liquid-assisted synthesis of YF ₃ with different crystalline phases and morphologies. <i>Materials Research Bulletin</i> , 2009 , 44, 623-628	5.1	30
150	Polarized neutron diffraction and its application to spin density studies. <i>Science in China Series B: Chemistry</i> , 2009 , 52, 2083-2095		6
149	Synthesis and characterization of poly(pyrazolyl)borate tantalum amide complexes and their reactivities toward oxygen. <i>Science in China Series B: Chemistry</i> , 2009 , 52, 1583-1589		17
148	Reactivities of d ⁰ transition metal complexes toward oxygen: Synthetic and mechanistic studies. <i>Science in China Series B: Chemistry</i> , 2009 , 52, 1723-1733		15
147	Optical and electrochemical sol-gel sensors for inorganic species. <i>Science in China Series B: Chemistry</i> , 2009 , 52, 1777-1788		8
146	Synthesis, characterization and crystal structure of zirconium complex containing amidinate, guanidinate and amide ligand sets. <i>Inorganica Chimica Acta</i> , 2009 , 362, 4251-4254	2.7	7
145	Preparation, characterization, and catalytic properties of (triphenylphosphine)ruthenium complexes bearing N,O,N'-tridentate ligands. <i>Inorganica Chimica Acta</i> , 2009 , 362, 4774-4779	2.7	7
144	Quinoline-functionalized N-heterocyclic carbene complexes of iridium: Synthesis, structures and catalytic activities in transfer hydrogenation. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 2096-2105	2.3	35
143	A conversion route towards tubular SiO ₂ using rod-like BaSiF ₆ as a novel template. <i>Journal of Solid State Chemistry</i> , 2009 , 182, 1679-1684	3.3	12
142	Trace vanadium analysis by catalytic adsorptive stripping voltammetry using mercury-coated micro-wire and polystyrene-coated bismuth film electrodes. <i>Analytica Chimica Acta</i> , 2009 , 643, 19-25	6.6	22
141	Reaction of a Tungsten Alkylidyne Complex with a Chelating Diphosphine. Hydrogen Migration in the Intermediates and Formation of an Alkyl Alkylidene Alkylidyne Complex. <i>Organometallics</i> , 2009 , 28, 1295-1302	3.8	11
140	Crystal Structure of TaCl(NMe ₂) ₄ and Its Reactions with Lithium Amides and Water. Indirect Observation of an Equilibrium among TaCl(NMe ₂) ₄ , Ta(NMe ₂) ₅ and Ta ₂ (Cl) ₂ (NMe ₂) ₆ Cl ₂ . <i>Organometallics</i> , 2009 , 28, 167-171	3.8	21

139	Preparation and use of Ta(CD ₂ Bu(t)) ₅ to probe the formation of (Bu(t)CD ₂) ₃ Ta=CDBu(t). Kinetic and mechanistic studies of the conversion of pentaneopentyltantalum to the archetypical alkylidene complex. <i>Journal of the American Chemical Society</i> , 2009 , 131, 8246-51	16.4	25
138	Preparation and Characterization of Flowerlike Y ₂ (OH) ₅ NO ₃ ·1.5H ₂ O and Y ₂ O ₃ and Their Efficient Removal of Cr(VI) from Aqueous Solution. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 3461-3466	3.8	25
137	Reactions of Oxygen with Metallaheterocyclic Alkyl Amide Complexes. Selective Insertion of Oxygen into Metal-Carbon Bonds. <i>Organometallics</i> , 2009 , 28, 6642-6645	3.8	12
136	Synthesis and characterization of siloxy, aminoxy, and oxo complexes from the reaction of a tantalum amide silyl complex with oxygen. <i>Inorganic Chemistry</i> , 2009 , 48, 3073-9	5.1	22
135	Synthesis and Characterization of Group 4 Amide Chloride and Amide Imide Complexes. <i>Organometallics</i> , 2009 , 28, 4269-4275	3.8	19
134	Synthesis, structures and catalytic activities of ruthenium(ii) carbonyl chloride complexes containing pyridine-functionalised N-heterocyclic carbenes. <i>Dalton Transactions</i> , 2009 , 7132-40	4.3	41
133	Syntheses, Structures, and Catalytic Properties of Ruthenium(II) Nitrosyl Complexes with Pyridine-Functionalized N-Heterocyclic Carbenes. <i>Organometallics</i> , 2009 , 28, 819-823	3.8	53
132	Preparation, Characterization, and Catalytic Properties of Ruthenium(II) Nitrosyl Complexes with Diimine Ligands. <i>Organometallics</i> , 2009 , 28, 6687-6694	3.8	14
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7	Organometallic chemical vapor deposition of platinum. Reaction kinetics and vapor pressures of precursors. <i>Chemistry of Materials</i> , 1992 , 4, 162-166	9.6	90
6	Structure and bonding of (μ -dicarbido)hexa-tert-butoxyditungsten, (tert-BuO) ₃ W(μ -C) ₂ (μ -C) ₂ W(O-tert-Bu) ₃ . <i>Organometallics</i> , 1992 , 11, 321-326	3.8	49
5	Low-pressure chemical vapor deposition of tungsten carbide (WC) thin films. <i>Chemistry of Materials</i> , 1991 , 3, 384-386	9.6	37
4	Direct observation of α -hydrogen transfer from alkyl to alkylidyne ligands in (Me ₃ CCH ₂) ₃ W:CSiMe ₃ . Kinetic and mechanistic studies of alkyl-alkylidyne exchange. <i>Journal of the American Chemical Society</i> , 1991 , 113, 6082-6090	16.4	46
3	Synthesis and spectroscopic characterization of diruthenium σ , π -vinyl complexes Ru ₂ [μ -O:C(NMe ₂), μ - σ , π -C(Ar):C(Ar)H](CO) ₅ PPh ₃ , (Ar = phenyl, p-tolyl) and Ru ₂ [μ -O:C(NMe ₂), μ - σ , π -C(Ph):CH ₂](CO) ₅ PPh ₃ . Crystal and molecular structures of Ru ₂ [μ -O:C(NMe ₂), μ - σ , π -C(C ₆ H ₄ Me-p):C(C ₆ H ₄ Me-p)H](CO) ₅ PPh ₃ and	16.4	27
2	Chemical vapor deposition of CoGa and PtGa ₂ thin films from mixed-metal organometallic compounds. <i>Applied Physics Letters</i> , 1989 , 55, 2760-2762	3.4	35
1	Characterization of (methylcyclopentadienyl)trimethylplatinum and low-temperature organometallic chemical vapor deposition of platinum metal. <i>Journal of the American Chemical Society</i> , 1989 , 111, 8779-8784	16.4	86