

Zi-Ling Xue

List of Publications by Year in descending order

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10,737
citations

29994

54
h-index

49773

87
g-index

273
all docs

273
docs citations

273
times ranked

8884
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel, Acentric Metal-Organic Coordination Polymers from Hydrothermal Reactions Involving In Situ Ligand Synthesis. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3800-3803.	7.2	487
2	Enantioseparation of Racemic Organic Molecules by a Zeolite Analogue This work was supported by The Major State Basic Research Development Program (Grant No. G2000077500), the National Natural Science Foundation of China, the Camille Dreyfus Teacher-Scholar Program, the National Science Foundation of the USA (CHE-9904338), and the University of Tennessee SARIF EPPE Fund.. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 4422.	7.2	415
3	Imprint Coating: A Novel Synthesis of Selective Functionalized Ordered Mesoporous Sorbents. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1235-1239.	7.2	271
4	Hydrothermal Preparation of Novel Cd(II) Coordination Polymers Employing 5-(4-Pyridyl)tetrazolate as a Bridging Ligand. <i>Inorganic Chemistry</i> , 2002, 41, 6544-6546.	1.9	220
5	One-Step Solid-State Reactions at Ambient Temperatures-A Novel Approach to Nanocrystal Synthesis. <i>Advanced Materials</i> , 1999, 11, 941-942.	11.1	189
6	2D Molecular Square Grid with Strong Blue Fluorescent Emission: A Complex of Norfloxacin with Zinc(II). <i>Inorganic Chemistry</i> , 2001, 40, 4075-4077.	1.9	181
7	Slow Magnetic Relaxation in a Mononuclear Eight-Coordinate Cobalt(II) Complex. <i>Journal of the American Chemical Society</i> , 2014, 136, 12213-12216.	6.6	155
8	BiOBr hierarchical microspheres: Microwave-assisted solvothermal synthesis, strong adsorption and excellent photocatalytic properties. <i>Journal of Colloid and Interface Science</i> , 2011, 354, 630-636.	5.0	154
9	A Second-Order Nonlinear Optical Material Prepared through In Situ Hydrothermal Ligand Synthesis. <i>Inorganic Chemistry</i> , 2005, 44, 3618-3625.	1.9	153
10	Isolation and Crystallographic Characterization of a Solid Precipitate/Intermediate in the Preparation of 5-Substituted 1H-Tetrazoles from Nitrile in Water. <i>Inorganic Chemistry</i> , 2003, 42, 3969-3971.	1.9	151
11	Homochiral Zn and Cd Coordination Polymers Containing Amino Acid-Tetrazole Ligands. <i>Inorganic Chemistry</i> , 2003, 42, 7710-7712.	1.9	123
12	Individual and simultaneous determination of lead, cadmium, and zinc by anodic stripping voltammetry at a bismuth bulk electrode. <i>Talanta</i> , 2010, 82, 675-680.	2.9	123
13	Simultaneous stripping detection of Zn(II), Cd(II) and Pb(II) using a bimetallic Hg-Bi/single-walled carbon nanotubes composite electrode. <i>Journal of Electroanalytical Chemistry</i> , 2011, 656, 78-84.	1.9	114
14	Blue to Red Fluorescent Emission Tuning of a Cadmium Coordination Polymer by Conjugated Ligands. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 2572-2577.	1.0	113
15	Unusual Magnetic Property Associated with Dimerization within a Nickel Tetramer. <i>Inorganic Chemistry</i> , 2002, 41, 5931-5933.	1.9	109
16	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.	6.6	103
17	Syntheses, Structures, and Photoluminescence of Five New Metal-Organic Frameworks Based on Flexible Tetrapyridines and Aromatic Polycarboxylate Acids. <i>Crystal Growth and Design</i> , 2010, 10, 2676-2684.	1.4	102
18	Synthesis of Novel Chiral and Acentric Coordination Polymers by the Reaction of Zinc or Cadmium Salts with Racemic 3-Pyridyl-3-aminopropionic Acid. <i>Chemistry - A European Journal</i> , 2004, 10, 53-60.	1.7	101

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19	Syntheses, Structures, and Magnetic Properties of Unusual Nonlinear Polynuclear Copper(II) Complexes Containing Derivatives of 1,2,4-Triazole and Pivalate Ligands. <i>Inorganic Chemistry</i> , 2005, 44, 8011-8022.	1.9	101
20	Persimmon-like BiO_2CO_3 microstructures: hydrothermal preparation, photocatalytic properties and their conversion into Bi_2S_3 . <i>CrystEngComm</i> , 2011, 13, 1939-1945.	1.3	101
21	Microwave-assisted solution-phase preparation of flower-like Bi_2WO_6 and its visible-light-driven photocatalytic properties. <i>CrystEngComm</i> , 2011, 13, 306-311.	1.3	100
22	Fluorescent-Dye-Doped Sol-Gel Sensor for Highly Sensitive Carbon Dioxide Gas Detection below Atmospheric Concentrations. <i>Analytical Chemistry</i> , 2010, 82, 593-600.	3.2	98
23	Organometallic chemical vapor deposition of platinum. Reaction kinetics and vapor pressures of precursors. <i>Chemistry of Materials</i> , 1992, 4, 162-166.	3.2	96
24	Spin-phonon couplings in transition metal complexes with slow magnetic relaxation. <i>Nature Communications</i> , 2018, 9, 2572.	5.8	93
25	Six New Metal-Organic Frameworks Based on Polycarboxylate Acids and V-shaped Imidazole-Based Synthons: Syntheses, Crystal Structures, and Properties. <i>Inorganic Chemistry</i> , 2011, 50, 2404-2414.	1.9	89
26	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.	1.4	88
27	Synthesis of Cerium(IV) Oxide Ultrafine Particles by Solid-State Reactions. <i>Journal of the American Ceramic Society</i> , 2000, 83, 964-966.	1.9	86
28	Controlled Synthesis and Characterization of Nanostructured EuF_3 with Different Crystalline Phases and Morphologies. <i>Crystal Growth and Design</i> , 2006, 6, 2169-2173.	1.4	86
29	Flower-like self-assembly of gold nanoparticles for highly sensitive electrochemical detection of chromium(VI). <i>Analytica Chimica Acta</i> , 2012, 722, 1-7.	2.6	83
30	Bi_2MoO_6 microstructures: controllable synthesis, growth mechanism, and visible-light-driven photocatalytic activities. <i>CrystEngComm</i> , 2013, 15, 498-508.	1.3	83
31	2D Chiral Uranyl(VI) Coordination Polymers with Second-Harmonic Generation Response and Ferroelectric Properties. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 3712-3715.	1.0	78
32	Three self-penetrated, interlocked, and polycatenated supramolecular isomers via one-pot synthesis and crystallization. <i>Chemical Communications</i> , 2012, 48, 681-683.	2.2	78
33	Microwave-assisted hydrothermal synthesis of cube-like $\text{Ag-Ag}_2\text{MoO}_4$ with visible-light photocatalytic activity. <i>Science China Chemistry</i> , 2013, 56, 443-450.	4.2	77
34	Fabrication of nanocrystalline ZnWO_4 with different morphologies and sizes via hydrothermal route. <i>Chemical Physics Letters</i> , 2003, 375, 185-190.	1.2	76
35	Slow magnetic relaxation in mononuclear seven-coordinate cobalt(II) complexes with easy plane anisotropy. <i>Dalton Transactions</i> , 2015, 44, 11482-11490.	1.6	76
36	Syntheses, Structures, and Characteristics of Four New Metal-Organic Frameworks Based on Flexible Tetrapyridines and Aromatic Polycarboxylate Acids. <i>Crystal Growth and Design</i> , 2012, 12, 3426-3435.	1.4	74

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37	Selective Synthesis and Characterization of Nanocrystalline EuF ₃ with Orthorhombic and Hexagonal Structures. <i>Crystal Growth and Design</i> , 2006, 6, 1972-1974.	1.4	72
38	Direct Observation of (Me ₃ ECH ₂) ₅ Ta (E = C, Si) as the Precursors to (Me ₃ ECH ₂) ₃ Ta:CH ₃ and (Me ₃ SiCH ₂) ₂ Ta(μ-C ₂ SiMe ₃) ₂ Ta(CH ₂ SiMe ₃) ₂ . Kinetic and Mechanistic Studies of the Formation of Alkylidene and Alkylidyne Ligands. <i>Journal of the American Chemical Society</i> , 1995, 117, 12746-12750.	6.6	70
39	Early-Transition-Metal Silyl Complexes Free from Anionic π-Ligands. A New Family of Alkyl, Alkylidene, and Alkylidyne Compounds. <i>Journal of the American Chemical Society</i> , 1994, 116, 2169-2170.	6.6	69
40	Ferroelectric Copper Quinine Complexes. <i>Chemistry of Materials</i> , 2003, 15, 4166-4168.	3.2	69
41	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.	5.0	66
42	Doped Thin-Film Sensors via a Sol-Gel Process for High-Acidity Determination. <i>Analytical Chemistry</i> , 1997, 69, 3076-3080.	3.2	64
43	Pb(dca) ₂ (dca = dicyanamide): a novel 3D compound with unusual coordination modes of dicyanamide. <i>New Journal of Chemistry</i> , 2002, 26, 1711-1713.	1.4	63
44	Electrochemical deposition of sol-gel films for enhanced chromium(VI) determination in aqueous solutions. <i>Analytica Chimica Acta</i> , 2006, 572, 17-24.	2.6	63
45	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.	1.4	63
46	Solvothermal synthesis and characterization of crystalline CaWO ₄ nanoparticles. <i>Journal of Crystal Growth</i> , 2003, 253, 361-365.	0.7	61
47	Preparation and characterization of nanocrystalline zinc oxide by a novel solvothermal oxidation route. <i>Journal of Crystal Growth</i> , 2003, 252, 184-189.	0.7	59
48	Synthesis and structures of two luminescent Zn(II) complexes with pyrazole and carboxylate ligands. <i>Inorganic Chemistry Communication</i> , 2004, 7, 538-541.	1.8	58
49	Syntheses, Structures, and Catalytic Properties of Ruthenium(II) Nitrosyl Complexes with Pyridine-Functionalized N-Heterocyclic Carbenes. <i>Organometallics</i> , 2009, 28, 819-823.	1.1	56
50	Functionalized Sol-Gels for Selective Copper(II) Separation. <i>Environmental Science & Technology</i> , 2000, 34, 2209-2214.	4.6	55
51	Noncentrosymmetric Organic Solids with Very Strong Harmonic Generation Response. <i>Chemistry - A European Journal</i> , 2004, 10, 2386-2390.	1.7	55
52	Quantitative Analysis of Trace Chromium in Blood Samples. Combination of the Advanced Oxidation Process with Catalytic Adsorptive Stripping Voltammetry. <i>Analytical Chemistry</i> , 2006, 78, 7582-7587.	3.2	55
53	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.	2.6	55
54	Synthesis and Characterization of (Me ₃ ECH ₂) ₂ Ta(CH ₃)Si(SiMe ₃) ₃ (E = C, Si). Kinetic and Mechanistic Studies of the Formation of a Silyl Alkylidene Complex through Preferential Silane Elimination. <i>Organometallics</i> , 1996, 15, 3520-3527.	1.1	54

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55	Structure and bonding of $(\mu\text{-dicarbido})\text{hexa-tert-butoxytungsten}$, $(\text{tert-BuO})_3\text{W}(\mu\text{-C})_2(\mu\text{-C})_2\text{W}(\text{O-tert-Bu})_3$. <i>Organometallics</i> , 1992, 11, 321-326.	1.1	53
56	Direct Observation of an Equilibrium between $(\text{ButCH}_2)_2\text{W}(\mu\text{-CBut})(\text{SiButPh}_2)$ and $(\text{ButCH}_2)\text{W}(\text{CHBut})_2(\text{SiButPh}_2)$ and an Unusual Silyl Migration. <i>Journal of the American Chemical Society</i> , 1998, 120, 13519-13520.	6.6	53
57	Formation of YF_3 Nanocrystals and Their Self-Assembly into Hollow Peanut-Like Structures. <i>Crystal Growth and Design</i> , 2007, 7, 2106-2111.	1.4	53
58	Blue-Green Luminescent Rhenium(I) Tricarbonyl Complexes with Pyridine-Functionalized N-Heterocyclic Carbene Ligands. <i>Organometallics</i> , 2012, 31, 3829-3835.	1.1	53
59	Luminescent Mechanochromic Dinuclear Cu(I) Complexes with Macrocyclic Diamine-Tetracarbene Ligands. <i>Inorganic Chemistry</i> , 2018, 57, 13618-13630.	1.9	53
60	Solvothermal preparation of Cu ₂ O crystalline particles. <i>Journal of Crystal Growth</i> , 2002, 246, 169-175.	0.7	52
61	Netlike Nanostructures of Zn(OH)F and ZnO: Synthesis, Characterization, and Properties. <i>Crystal Growth and Design</i> , 2008, 8, 1412-1417.	1.4	52
62	Improved Bi film wrapped single walled carbon nanotubes for ultrasensitive electrochemical detection of trace Cr(VI). <i>Electrochimica Acta</i> , 2013, 113, 686-693.	2.6	52
63	Two Chiral Coordination Polymers: Preparation and X-ray Structures of Mono(4-sulfo-l-phenylalanine)(diaqua) Zinc(II) and Copper(II) Complexes. <i>Inorganic Chemistry</i> , 2002, 41, 3323-3326.	1.9	51
64	The First Metal (Nd ³⁺ , Mn ²⁺ , and Pb ²⁺) Coordination Compounds of 3,5-Dinitrotyrosine and their Nonlinear Optical Properties. <i>Chemistry - A European Journal</i> , 2005, 11, 988-994.	1.7	51
65	Theoretical Studies of the Relative Stabilities of Transition Metal Alkylidyne $(\text{CH}_3)_2\text{M}(\mu\text{-CH})(\text{X})$ and Bis(alkylidene) $(\text{CH}_3)\text{M}(\text{CH}_2)_2(\text{X})$ Complexes. <i>Organometallics</i> , 1999, 18, 5488-5495.	1.1	50
66	Morphology control of MnWO ₄ nanocrystals by a solvothermal route. <i>Journal of Materials Chemistry</i> , 2003, 13, 1132-1135.	6.7	50
67	Direct observation of α -hydrogen transfer from alkyl to alkylidyne ligands in $(\text{Me}_3\text{CCH}_2)_3\text{W}:\text{CSiMe}_3$. Kinetic and mechanistic studies of alkyl-alkylidyne exchange. <i>Journal of the American Chemical Society</i> , 1991, 113, 6082-6090.	6.6	49
68	Optical Sensors for the Determination of Concentrated Hydroxide. <i>Analytical Chemistry</i> , 2000, 72, 1078-1083.	3.2	49
69	Magnetic Transitions in Iron Porphyrin Halides by Inelastic Neutron Scattering and Ab Initio Studies of Zero-Field Splittings. <i>Inorganic Chemistry</i> , 2015, 54, 9790-9801.	1.9	49
70	Quantitative, colorimetric paper probe for hydrogen sulfide gas. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 846-851.	4.0	48
71	Syntheses and structures of two one-dimensional double-stranded lead polymers of dicyanamide with unusual coordination mode. <i>Polyhedron</i> , 2003, 22, 917-923.	1.0	47
72	The First Highly Stable Homochiral Olefin-Copper(I) 2D Coordination Polymer Grid Based on Quinine as a Building Block. <i>Organometallics</i> , 2003, 22, 2814-2816.	1.1	47

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73	Optical determination of Cr(VI) using regenerable, functionalized sol-gel monoliths. <i>Analytica Chimica Acta</i> , 2007, 581, 232-240.	2.6	47
74	Bismuth-Based, Disposable Sensor for the Detection of Hydrogen Sulfide Gas. <i>Analytical Chemistry</i> , 2016, 88, 1553-1558.	3.2	47
75	Synthesis and Structure of an Unusual Zirconium Hydride Amide Complex. <i>Mechanistic Studies of the Reactions of Transition-Metal Amides with Silanes</i> . <i>Journal of the American Chemical Society</i> , 1999, 121, 5350-5351.	6.6	46
76	Reactions of Tetrakis(dimethylamide)Titanium, Zirconium and Hafnium with Silanes: Synthesis of Unusual Amide Hydride Complexes and Mechanistic Studies of Titanium-Silicon Nitride (Ti-Si-N) Formation. <i>Journal of the American Chemical Society</i> , 2001, 123, 8011-8021.	6.6	46
77	Silyl alkylidene complexes free of anionic ligands (Me ₃ ECH ₂) ₂ Ta(η ⁵ -Cp*Me ₃)(SiPh ₂ But) (E = C, Si): PMe ₃ -promoted conversions to bis(alkylidene) complexes through preferential silane elimination. <i>Chemical Communications</i> , 1996, , 2383-2384.	2.2	45
78	Two Luminescent 2D Layered Copper(I) Olefin Coordination Polymers with High Thermal Stability. <i>Organometallics</i> , 2001, 20, 4118-4121.	1.1	45
79	Crown Ether-Doped Sol-Gel Materials for Strontium(II) Separation. <i>Analytical Chemistry</i> , 2000, 72, 5516-5519.	3.2	44
80	Microwave-assisted solution-phase preparation and growth mechanism of FeMoO ₄ hierarchical hollow spheres. <i>CrystEngComm</i> , 2010, 12, 207-210.	1.3	44
81	Slow magnetic relaxation in five-coordinate spin-crossover cobalt(II) complexes. <i>Chemical Communications</i> , 2017, 53, 9304-9307.	2.2	44
82	Low-pressure chemical vapor deposition of tungsten carbide (WC) thin films. <i>Chemistry of Materials</i> , 1991, 3, 384-386.	3.2	43
83	Synthesis of Tantalum(V) Amido Silyl Complexes and the Unexpected Formation of (Me ₂ N) ₃ Ta(η ⁵ -2-ONMe ₂)[OSi(SiMe ₃) ₃] from the Reaction of (Me ₂ N) ₄ Ta[Si(SiMe ₃) ₃] with O ₂ . <i>Organometallics</i> , 2002, 21, 3973-3978.	1.1	43
84	Functionalized sol-gels for mercury(II) separation: a comparison of mesoporous materials prepared with and without surfactant templates. <i>Microporous and Mesoporous Materials</i> , 2004, 70, 57-62.	2.2	43
85	Synthesis, structures and catalytic activities of ruthenium(II) carbonyl chloride complexes containing pyridine-functionalised N-heterocyclic carbenes. <i>Dalton Transactions</i> , 2009, , 7132.	1.6	43
86	Reaction of Ta(NMe ₂) ₅ with O ₂ : Formation of Aminoxy and Unusual (Aminomethyl)amide Oxo Complexes and Theoretical Studies of the Mechanistic Pathways. <i>Journal of the American Chemical Society</i> , 2007, 129, 14408-14421.	6.6	41
87	Microwave-assisted solvothermal synthesis and growth mechanism of WO ₃ ·(H ₂ O) _{0.33} hierarchical microstructures. <i>CrystEngComm</i> , 2010, 12, 1153-1158.	1.3	41
88	Chemical vapor deposition of CoGa and PtGa ₂ thin films from mixed metalorganometallic compounds. <i>Applied Physics Letters</i> , 1989, 55, 2760-2762.	1.5	40
89	A mononuclear complex of norfloxacin with silver(I) and its properties. <i>Inorganic Chemistry Communication</i> , 2003, 6, 819-822.	1.8	40
90	An Unusual Exchange between Alkylidyne Alkyl and Bis(alkylidene) Tungsten Complexes Promoted by Phosphine Coordination: Kinetic, Thermodynamic, and Theoretical Studies. <i>Journal of the American Chemical Society</i> , 2004, 126, 10208-10209.	6.6	40

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91	Inorganic Sensing Using Organofunctional Solâ€“Gel Materials. <i>Accounts of Chemical Research</i> , 2007, 40, 343-350.	7.6	40
92	Slow Magnetic Relaxation in Mononuclear Octahedral Manganese(III) Complexes with Dibenzoilmethanide Ligands. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 271-278.	1.0	40
93	Reactions of d0 Group 4 Amides with Dioxygen. Preparation of Unusual Oxo Aminoxy Complexes and Theoretical Studies of Their Formation. <i>Journal of the American Chemical Society</i> , 2005, 127, 5204-5211.	6.6	39
94	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.	1.2	39
95	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.	1.9	39
96	Reactions of Alkyl Alkylidene Complexes with Silanes. Synthesis and Characterization of Novel Tantalum 1,1-Metallasilacyclobutadiene and Disilyl-Substituted Alkylidene Complexes. <i>Journal of the American Chemical Society</i> , 1997, 119, 12657-12658.	6.6	38
97	Reactivities of a Bis(alkylidene) Complex. Synthesis of a Silyl Bis(alkylidyne) Complex and a Reaction Cycle among Symmetric Bis(alkylidyne), Bis(alkylidene), and Nonsymmetric Bis(alkylidyne) Compounds. <i>Organometallics</i> , 1998, 17, 4597-4606.	1.1	38
98	Zirconium, Hafnium, and Tantalum Amide Silyl Complexes:Â Their Preparation and Conversion to Metallaheterocyclic Complexes via Î³-Hydrogen Abstraction by Silyl Ligands. <i>Inorganic Chemistry</i> , 2004, 43, 7111-7119.	1.9	38
99	Microwave-assisted preparation and photocatalytic properties of Zn2GeO4 nanorod bundles. <i>CrystEngComm</i> , 2010, 12, 3201.	1.3	38
100	d0Bis(silyl) Complexes Free of Anionic Î€-Ligands:Â Syntheses, Structures, and a Novel Exchange between Silyl Ligands and Silyl Anions. <i>Journal of the American Chemical Society</i> , 1999, 121, 4300-4301.	6.6	37
101	Transition-Metal Silyl Complexes and Chemistry in the Reactions of Silanes with Transition-Metal Complexes. <i>Organometallics</i> , 2004, 23, 2210-2224.	1.1	37
102	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.	0.8	37
103	Polymer-directed synthesis and magnetic property of nanoparticles-assembled BiFeO3 microrods. <i>Journal of Solid State Chemistry</i> , 2010, 183, 1761-1766.	1.4	37
104	Zero-Field Slow Magnetic Relaxation and Hysteresis Loop in Four-Coordinate Co^{II} Single-Ion Magnets with Strong Easy-Axis Anisotropy. <i>Inorganic Chemistry</i> , 2019, 58, 12555-12564.	1.9	36
105	Synthesis and Characterization of Group 4 Amido Silyl Complexes Free of Anionic Î€-Ligands. <i>Inorganic Chemistry</i> , 1998, 37, 6366-6372.	1.9	35
106	Syntheses and structures of two- and one-dimensional organica€“inorganic hybrid compounds assembled from Pbl2 and 1,4-bis(4-pyridyl)-2,3-diaza-1,3-butadiene. <i>Inorganic Chemistry Communication</i> , 2002, 5, 1090-1094.	1.8	33
107	A Tungsten Silyl Alkylidyne Complex and Its Bis(alkylidene) Tautomer. Their Interconversion and an Unusual Silyl Migration in Their Reaction with Dioxygen. <i>Organometallics</i> , 2005, 24, 1214-1224.	1.1	33
108	Optical Metal Ion Sensor Based on Diffusion Followed by an Immobilizing Reaction. Quantitative Analysis by a Mesoporous Monolith Containing Functional Groups. <i>Analytical Chemistry</i> , 2005, 77, 3231-3237.	3.2	33

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109	Ionic-liquid-assisted synthesis of YF ₃ with different crystalline phases and morphologies. <i>Materials Research Bulletin</i> , 2009, 44, 623-628.	2.7	33
110	Transition Structures of Methane Elimination in Pentamethylniobium and Pentamethyltantalum. <i>Journal of the American Chemical Society</i> , 1995, 117, 9259-9264.	6.6	32
111	Reactions of (Me ₃ ECH ₂) ₃ ZrSi(SiMe ₃) ₃ (E = C, Si) with 2,6-Dimethylphenyl Isocyanide. Preferential Isocyanide Insertion into Zr ^{IV} Silyl Bonds. <i>Organometallics</i> , 1998, 17, 4853-4860.	1.1	32
112	Direct observation of η^2 -imine formation through η^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
113	Preparation and characterization of fine Sr ₂ CeO ₄ blue phosphor powders. <i>Solid State Communications</i> , 2004, 130, 281-285.	0.9	32
114	Synthesis and Characterization of Group 4 Amidinate Amide Complexes M[CyNC(Me)NCy] ₂ (NR) ₂ (R = Me, M = Ti, Zr, Hf; R = Et, M = Zr). <i>Organometallics</i> , 2009, 28, 3088-3092.	1.1	32
115	A capped trigonal prismatic cobalt(II) complex as a structural archetype for single-ion magnets. <i>Dalton Transactions</i> , 2020, 49, 2063-2067.	1.6	32
116	Early-Transition-Metal Silyl Complexes Free of Anionic η^6 -Ligands. A Comparison of Alkyl and Silyl Ligands. <i>Comments on Inorganic Chemistry</i> , 1996, 18, 223-247.	3.0	31
117	Synthesis and X-ray Crystal Structure of a Chlorobis(trimethylsiloxy)zirconium Silyl Derivative, (Me ₃ SiO) ₂ Zr(SiPh ₂ But)Cl \cdot 2THF. <i>Organometallics</i> , 1998, 17, 2917-2920.	1.1	31
118	Computational and Experimental Studies on the Thermolysis Mechanism of Zirconium and Hafnium Tetraalkyl Complexes. Difference between Titanium and Zirconium Complexes. <i>Organometallics</i> , 1999, 18, 2081-2090.	1.1	31
119	Multi-insertion Reactions of Isocyanides with Zirconium Amido Silyl Complexes. <i>Organometallics</i> , 1999, 18, 1002-1010.	1.1	31
120	Theoretical Studies on the Decomposition Mechanism of Tetraalkyl Titanium Complexes. <i>Journal of the American Chemical Society</i> , 1996, 118, 9772-9777.	6.6	30
121	A new approach to superior optical limiting materials TM planar η^6 heteroatom clusters. <i>Chemical Communications</i> , 2001, , 843-844.	2.2	30
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