

# Zhihong Xu

## List of Publications by Year in descending order

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92  
papers

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citations

236925

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docs citations

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times ranked

2482  
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#	ARTICLE	IF	CITATIONS
1	Thiocarbazone-appended coumarin: An easily accessible ratiometric fluorescent chemosensor for multianalyte ( $Zn^{2+}$ and $Cu^{2+}$ ) systems. <i>Coloration Technology</i> , 2022, 138, 157-167.	1.5	4
2	A deep-red lysosome-targetable fluorescent probe for detection of hypochlorous acid in pure water and its imaging application in living cells and zebrafish. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 264, 120270.	3.9	18
3	Simple thiosemicarbazone "switch" sensing of $Hg^{2+}$ and biothiols in pure aqueous solutions and application to imaging in lysosomes. <i>Journal of Molecular Structure</i> , 2022, 1250, 131811.	3.6	9
4	A water soluble hydrazone probe for subsequent fluorescent detection of $Zn^{2+}$ and $S^{2-}$ in neat aqueous solution and imaging in mitochondria of living cells. <i>Journal of Molecular Structure</i> , 2022, 1249, 131629.	3.6	8
5	A pyrazine-containing hydrazone derivative for sequential detection of $Al^{3+}$ and $F^{-}$ . <i>Journal of Molecular Structure</i> , 2022, 1251, 132073.	3.6	4
6	A simple hydrazone probe for recognition of $Al^{3+}$ and PPI and its applicability in lysosomal imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 268, 120680.	3.9	6
7	A water-soluble lysosome-targetable fluorescent probe for carboxylesterase detection and its application in biological imaging. <i>Dyes and Pigments</i> , 2022, 199, 110079.	3.7	8
8	A ratiometric fluorescent probe for hydrogen sulfide in neat aqueous solution and its application in lysosome-targetable cell imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 270, 120835.	3.9	10
9	A quinoline-based probe for the ratiometric fluorescent detection of sulfite in lysosomes of living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 275, 121160.	3.9	5
10	A novel indene-chalcone-based fluorescence probe with lysosome-targeting for detection of endogenous carboxylesterases and bioimaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 278, 121329.	3.9	5
11	NHC-Catalyzed Transformation Reactions of Imines: Electrophilic versus Nucleophilic Attack. <i>Journal of Organic Chemistry</i> , 2022, 87, 7989-7994.	3.2	7
12	ICT-modulated NIR water-soluble fluorescent probe with large Stokes shift for selective detection of cysteine in living cells and zebrafish. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 246, 119030.	3.9	20
13	Hydrazone derivative bearing coumarin for the relay detection of $Cu^{2+}$ and $H_2S$ in an almost neat aqueous solution and bioimaging in lysosomes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 255, 119693.	3.9	18
14	Electrochemical Oxidation Cross Dehydrogenative Coupling of Enamines and Thiophenols for the Synthesis of Vinyl Sulfides. <i>ChemistrySelect</i> , 2021, 6, 6460-6463.	1.5	5
15	An AIRE-active far-red ratiometric fluorescent chemosensor for specifically sensing $Zn^{2+}$ and resultant $Zn^{2+}$ complex for subsequent pyrophosphate detection in almost pure aqueous media. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 263, 120169.	3.9	8
16	A 1,8-naphthalimide-based turn-on fluorescent probe for imaging $Cu^{2+}$ in lysosomes. <i>Inorganic Chemistry Communication</i> , 2021, 134, 109026.	3.9	7
17	Development of a semiacenaphthenofluorescein-based optical and fluorescent sensor for imaging cysteine in cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 386, 112090.	3.9	6
18	A novel hemicyanine-based near-infrared fluorescent probe for $Hg^{2+}$ ions detection and its application in living cells imaging. <i>Dyes and Pigments</i> , 2020, 173, 107951.	3.7	24

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19	Pyrrole-quinazoline derivative as an easily accessible turn-off optical chemosensor for Cu <sup>2+</sup> and resultant Cu <sup>2+</sup> complex as a turn-on sensor for pyrophosphate in almost neat aqueous solution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 226, 117592.	3.9	16
20	Quinoline-based hydrazone for colorimetric detection of Co <sup>2+</sup> and fluorescence turn-on response of Zn <sup>2+</sup> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 230, 118025.	3.9	41
21	Isolation, structure elucidation, tyrosinase inhibitory, and antioxidant evaluation of the constituents from <i>Angelica dahurica</i> roots. <i>Journal of Natural Medicines</i> , 2020, 74, 456-462.	2.3	18
22	A near-infrared colorimetric and fluorescent dual-channel probe for cyanide detection based on dicyanomethylene-4H-pyran. <i>Inorganic Chemistry Communication</i> , 2020, 122, 108245.	3.9	11
23	Rhodamine hydrazone as a lysosome-targetable pH biomarker for the selective differentiation of cancer cells from normal cells. <i>Inorganic Chemistry Communication</i> , 2020, 122, 108260.	3.9	6
24	Six Natural Phenylethanoid Glycosides: Total Synthesis, Antioxidant and Tyrosinase Inhibitory Activities. <i>ChemistrySelect</i> , 2020, 5, 10817-10820.	1.5	4
25	Two new phenylethanoid glycosides from <i>Ginkgo biloba</i> leaves and their tyrosinase inhibitory activities. <i>Carbohydrate Research</i> , 2020, 494, 108059.	2.3	11
26	Regioselective Dechloroacetylations Mediated by Ammonium Acetate: Practical Syntheses of 2,3,4,6-tetra-O-chloroacetyl- $\beta$ -D-glucopyranoses and Cinnamoyl Glucose Esters. <i>ChemistrySelect</i> , 2020, 5, 6360-6364.	1.5	2
27	Sensitive and selective fluorescent probe for hypochlorite in 100% aqueous solution and its application for lysosome-targetable cell imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 231, 118110.	3.9	20
28	An indole-rhodamine-based ratiometric fluorescent probe for Pd <sup>2+</sup> determination and cell imaging. <i>Analytical Methods</i> , 2019, 11, 1080-1086.	2.7	12
29	Molecularly imprinted polymers fabricated by Pickering emulsion polymerization for the selective adsorption and separation of quercetin from <i>Spina Gleditsiae</i> . <i>New Journal of Chemistry</i> , 2019, 43, 14747-14755.	2.8	14
30	Highly sensitive and selective ESIPT-based near-infrared fluorescent probe for detection of Pd <sup>2+</sup> . <i>Inorganic Chemistry Communication</i> , 2019, 101, 135-141.	3.9	12
31	A novel "turn-on" coumarin-based fluorescence probe with aggregation-induced emission (AIE) for sensitive detection of hydrazine and its imaging in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 222, 117272.	3.9	38
32	A pyrazole-containing hydrazone for fluorescent imaging of Al <sup>3+</sup> in lysosomes and its resultant Al <sup>3+</sup> complex as a sensor for F <sup>-</sup> . <i>Talanta</i> , 2019, 203, 178-185.	5.5	31
33	A simple hydrazone as a fluorescent turn-on multianalyte (Al <sup>3+</sup> , Mg <sup>2+</sup> , Zn <sup>2+</sup> ) sensor with different emission color in DMSO and resultant Al <sup>3+</sup> complex as a turn-off sensor for F <sup>-</sup> in aqueous solution. <i>Journal of Luminescence</i> , 2019, 212, 191-199.	3.1	15
34	Highly Sensitive and Selective Fluorescent Probe for Detection of Fe <sup>3+</sup> Based on Rhodamine Fluorophore. <i>Journal of Fluorescence</i> , 2019, 29, 645-652.	2.5	18
35	Synthesis of Au nanorod-embedded and graphene oxide-wrapped microporous ZIF-8 with high electrocatalytic activity for the sensing of pesticides. <i>Nanoscale</i> , 2019, 11, 7839-7849.	5.6	62
36	One-Pot Functionalization of $\beta$ -Aminoquinolines through the Acylation and Regioselective C5-H Halogenation under Transition-Metal-Free Conditions. <i>ChemistrySelect</i> , 2019, 4, 13964-13967.	1.5	7

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37	Novel rhodamine-based colorimetric and fluorescent sensor for the dual-channel detection of Cu <sup>2+</sup> and Co <sup>2+</sup> /trivalent metal ions and its AIRE activities. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 212, 1-9.	3.9	27
38	Ratiometric fluorescent probe based on pyrrole-modified rhodamine 6G hydrazone for the imaging of Cu <sup>2+</sup> in lysosomes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 212, 121-127.	3.9	33
39	AIE active salicylaldehyde-based hydrazone: A novel single-molecule multianalyte (Al <sup>3+</sup> or Cu <sup>2+</sup> ) sensor in different solvents. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 212, 146-154.	3.9	26
40	A simple hydrazone as a multianalyte (Cu <sup>2+</sup> , Al <sup>3+</sup> , Zn <sup>2+</sup> ) sensor at different pH values and the resultant Al <sup>3+</sup> complex as a sensor for F <sup>-</sup> . <i>RSC Advances</i> , 2018, 8, 5640-5646.	3.6	25
41	An AIRE active Schiff base bearing coumarin and pyrrole unit: Cu <sup>2+</sup> detection in either solution or aggregation states. <i>Sensors and Actuators B: Chemical</i> , 2018, 260, 106-115.	7.8	54
42	An $\alpha$ -fluorescein-based colorimetric and fluorescent probe for the detection of glutathione and cysteine over homocysteine and its application for cell imaging. <i>Sensors and Actuators B: Chemical</i> , 2018, 260, 295-302.	7.8	48
43	A NIR sensor for cyanide detection and its application in cell imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 199, 141-145.	3.9	17
44	A highly sensitive and selective off-on fluorescent chemosensor for hydrazine based on coumarin $\beta$ -diketone. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 188, 80-84.	3.9	38
45	Quinoline containing acetyl hydrazone: An easily accessible switch-on optical chemosensor for Zn <sup>2+</sup> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 188, 324-331.	3.9	21
46	New pyrrole-based single-molecule multianalyte sensor for Cu <sup>2+</sup> , Zn <sup>2+</sup> , and Hg <sup>2+</sup> and its AIE activity. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3085-3092.	7.8	77
47	AEE active Schiff base-bearing pyrene unit and further Cu <sup>2+</sup> -induced self-assembly process. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 393-401.	7.8	47
48	A pyrrole-containing hydrazone and its Cu <sup>2+</sup> complex: an easily accessible optical chemosensor system for the successive detection of Zn <sup>2+</sup> /Cu <sup>2+</sup> and pyrophosphate. <i>Analytical Methods</i> , 2018, 10, 5790-5796.	2.7	13
49	Insights into Ag <sup>I</sup> -catalyzed addition reactions of amino alcohols to electron-deficient olefins: competing mechanisms, role of catalyst, and origin of chemoselectivity. <i>RSC Advances</i> , 2018, 8, 40338-40346.	3.6	8
50	Crystal structure of dinitrato-(N <sup>2</sup> -((quinolin-8-yl)methylene)isonicotinohydrazide $\hat{\text{N}}^3\text{-N,N}^{\text{2}}$ ,O)copper(II), C <sub>16</sub> H <sub>12</sub> N <sub>6</sub> O <sub>7</sub> Cu. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2018, 233, 309-310.	0.3	0
51	Crystal structure of Diiodo-(N <sup>2</sup> -((quinolin-8-yl)methylene)isonicotinohydrazide $\hat{\text{N}}^3\text{N,N}^{\text{2}}$ ,O)cadium(II) $\hat{\text{N}}^{\text{2}}$ dimethylformamide (1/1), C <sub>19</sub> H <sub>19</sub> N <sub>5</sub> O <sub>2</sub> CdI <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2018, 233, 307-308.	0.3	0
52	Aggregation-induced ratiometric emission active monocarbazone: Ratiometric fluorescent probe for Cu <sup>2+</sup> in either solution or aggregation states. <i>Journal of Luminescence</i> , 2018, 204, 289-295.	3.1	19
53	An ESIPT-Based Fluorescent Probe for Hydrazine Detection in Aqueous Solution and its Application in Living Cells. <i>Journal of Fluorescence</i> , 2017, 27, 679-687.	2.5	30
54	A novel colorimetric and ratiometric fluorescent Cu <sup>2+</sup> sensor based on hydrazone bearing 1,8-naphthalimide and pyrrole moieties. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 813-820.	7.8	55

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55	CTAB assisted immobilization of RuO <sub>2</sub> nanoparticles on graphene oxide for electrochemical sensing of hydrazine. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 435-441.	2.1	14
56	A supramolecular self-assembly host-guest system from cyclodextrin as an absolute water-soluble fluorescence sensor for aluminium ions: synthesis, characterization and sensing activity. RSC Advances, 2017, 7, 38160-38165.	3.6	8
57	A highly sensitive and selective colorimetric and off-on fluorescent chemosensor for Cu <sup>2+</sup> based on rhodamine 6G hydrazide bearing thiosemicarbazide moiety. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 335, 10-16.	3.9	31
58	Rhodamine-2-thioxoquinazolin-4-one conjugate: A highly sensitive and selective chemosensor for Fe <sup>3+</sup> ions and crystal structures of its Ag(I) and Hg(II) complexes. Sensors and Actuators B: Chemical, 2017, 239, 60-68.	7.8	39
59	Palladium-Catalyzed C(sp <sup>2</sup> )-H Bond Alkylation of Ketoximes by Using the Ring-Opening of Epoxides. European Journal of Organic Chemistry, 2016, 2016, 3090-3096.	2.4	24
60	A novel ratiometric colorimetric and NIR fluorescent probe for detecting Cu <sup>2+</sup> with high selectivity and sensitivity based on rhodamine-appended cyanine. Sensors and Actuators B: Chemical, 2014, 201, 469-474.	7.8	50
61	A highly sensitive and selective fluorescent probe for Hg <sup>2+</sup> and its imaging application in living cells. Inorganic Chemistry Communication, 2013, 34, 42-46.	3.9	17
62	3,6-Bis(ethylamino)-2,7-dimethyl-2-[2-(E)-[(thiophen-2-yl)methylideneamino]ethyl]spiro[isindoline-1,9-xanthen]-3-one methanol monosolvate. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o1556-o1556.	0.2	0
63	7-[(5,5-Dimethyl-2-oxido-1,3,2-dioxaphosphinan-2-yl)oxy]-4-methyl-2H-chromen-2-one. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o1924-o1924.	0.2	0
64	A Novel Water Cluster Held Up by a Tungstotellurate of the [Ni(2,2'-bipy)3] <sup>2+</sup> Cations: Synthesis and Characterization of [Ni(2,2'-bipy)3]2[H2(TeW6O24)]·28H2O. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2012, 42, 140-144.	0.6	4
65	Surfactant free RGO/Pd nanocomposites as highly active heterogeneous catalysts for the hydrolytic dehydrogenation of ammonia borane for chemical hydrogen storage. Nanoscale, 2012, 4, 5597.	5.6	202
66	Fluorescent graphene oxide composites synthesis and its biocompatibility study. Journal of Materials Chemistry, 2012, 22, 9308.	6.7	54
67	Crystal structure, biological studies of water-soluble rare earth metal complexes with an ofloxacin derivative. Inorganica Chimica Acta, 2012, 384, 324-332.	2.4	12
68	A turn-on chemosensor for Hg <sup>2+</sup> in aqueous media and its application in MCT-imaging in living cells. Dalton Transactions, 2011, 40, 6382.	3.3	19
69	Rapid Detection of <i>Listeria monocytogenes</i> in Raw Milk with Loop-Mediated Isothermal Amplification and Chemosensor. Journal of Food Science, 2011, 76, M611-5.	3.1	21
70	Synthesis, characterization, DNA interaction and antibacterial activities of two tetranuclear cobalt(II) and nickel(II) complexes with salicylaldehyde 2-phenylquinoline-4-carboylhydrazone. Inorganic Chemistry Communication, 2011, 14, 1569-1573.	3.9	33
71	A highly sensitive and selective colorimetric and off-on fluorescent chemosensor for Cu <sup>2+</sup> based on rhodamine B derivative. Sensors and Actuators B: Chemical, 2011, 156, 546-552.	7.8	168
72	3-[(Furan-2-ylmethylidene)amino]-1-(4-methylphenyl)thiourea. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o275-o275.	0.2	0

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73	1-Benzylideneamino-3-(4-methylphenyl)thiourea. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o449-o449.	0.2	0
74	Preparation, characterization, and catalytic performance of a novel methyl-rich Ti-HMS mesoporous molecular sieve with high hydrophobicity. Science China Chemistry, 2010, 53, 1337-1345.	8.2	2
75	2-[(5-Chloro-2-hydroxybenzylidene)amino]-3,6-bis(diethylamino)spiro[isoindoline-1,9-xanthen]-3-one. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o1500-o1500.	0.2	4
76	2-[(2,4-Dihydroxybenzylidene)amino]-3,6-bis(ethylamino)spiro[isoindoline-1,9-xanthen]-3-one. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o1504-o1504.	0.2	4
77	Synthesis, crystal structure, and DNA-binding of a 3-D netlike supramolecular manganese picrate complex with 2,6-bis(benzimidazol-2-yl)pyridine. Journal of Coordination Chemistry, 2010, 63, 1097-1106.	2.2	9
78	Study on synthesis, structure, and DNA-binding of Ni, Zn complexes with 2-phenylquinoline-4-carboylhydrazide. Journal of Inorganic Biochemistry, 2009, 103, 210-218.	3.5	75
79	Analysis of Binding Interaction between Bovine Serum Albumin and the Cobalt(II) Complex with Salicylaldehyde-2-phenylquinoline-4-carboylhydrazone. Chemical and Pharmaceutical Bulletin, 2009, 57, 1237-1242.	1.3	56
80	Synthesis and Crystal Structure of 1-Cyclopropyl-6-fluoro-7-hydrozino-8-methoxyl-1,4-dihydro-4-oxo-3-quinoline carbohydrazide. X-ray Structure Analysis Online, 2009, 25, 19-20.	0.2	1
81	3,6-Bis(ethylamino)-2,7-dimethyl-2-[[2-[(E)-3,4-methylenedioxybenzylideneamino]ethyl]spiro[isoindoline-1,9-xanthen]-3-one. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o1876-o1876.	0.2	3
82	Synthesis and characterization of a novel Anderson-type tungstotellurate decorated by transition metal complexes: [Na(H <sub>2</sub> O) <sub>3</sub> ] <sub>2</sub> {[Cu(2,2'-bipy) <sub>2</sub> (TeW <sub>6</sub> O <sub>24</sub> )] <sub>4</sub> ·4H <sub>2</sub> O. Transition Metal Chemistry, 2008, 33, 237-241.	3.4	5
83	Synthesis, characterization, and DNA-binding properties of copper(II), cobalt(II), and nickel(II) complexes with salicylaldehyde 2-phenylquinoline-4-carboylhydrazone. Transition Metal Chemistry, 2008, 33, 267-273.	1.4	27
84	Spectroscopic studies on binding of 1-phenyl-3-(coumarin-6-yl)sulfonylurea to bovine serum albumin. Journal of Photochemistry and Photobiology B: Biology, 2008, 92, 98-102.	3.8	58
85	Synthesis, characterization, and DNA-binding properties of the cobalt(II) and nickel(II) complexes with salicylaldehyde 2-phenylquinoline-4-carboylhydrazone. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 196, 77-83.	3.9	107
86	Synthesis and Crystal Structure of Two Novel Tungstotellurates with Metal-Organic Complex Moieties. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2008, 38, 657-663.	0.6	1
87	Crystal Structure of a Novel Binuclear Copper(II) Complex with 2-(Methoxycarbonyl)benzoic Acid. Analytical Sciences: X-ray Structure Analysis Online, 2008, 24, X303-X304.	0.1	1
88	Crystal Structure of a New POM-based Organic-Inorganic Hybrid: {[Cu(2,2'-bipy)Cl] <sub>2</sub> }[Na <sub>5</sub> (H <sub>2</sub> O) <sub>14</sub> ](TeMo <sub>6</sub> O <sub>24</sub> ) <sub>n</sub> ·2nH <sub>2</sub> O. Analytical Sciences: X-ray Structure Analysis Online, 2007, 23, X235-X236.	0.1	1
89	Synthesis and Structure of a Novel Two-dimensional Manganese(II) Azide Complex with N-Methylimidazole. Analytical Sciences: X-ray Structure Analysis Online, 2007, 23, X175-X176.	0.1	2
90	Synthesis and Crystal Structure of 2-Furanyl-2-phenylquinoline-4-carboxylhydrazone. Analytical Sciences: X-ray Structure Analysis Online, 2007, 23, X203-X204.	0.1	2

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91	Three salicylaldehyde derivative Schiff base ZnII complexes: synthesis, DNA binding and hydroxyl radical scavenging capacity. <i>Transition Metal Chemistry</i> , 2007, 32, 564-569.	1.4	25
92	Anderson-Evans Type Tungstotellurate with Metal-Organic Complex Moieties: Preparation, Structure and Properties of Na <sub>2</sub> [Co(C <sub>12</sub> H <sub>8</sub> N <sub>2</sub> ) <sub>3</sub> ] <sub>2</sub> [TeW <sub>6</sub> O <sub>24</sub> ]·25H <sub>2</sub> O. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2006, 36, 687-692.		3