

Chi Zhang

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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.

396
papers

9,934
citations

51
h-index

80
g-index

425
ext. papers

11,752
ext. citations

6.6
avg, IF

6.65
L-index

#	Paper	IF	Citations
396	Cobalt phosphide nanorods as an efficient electrocatalyst for the hydrogen evolution reaction. <i>Nano Energy</i> , 2014 , 9, 373-382	17.1	403
395	Ni12P5 nanoparticles as an efficient catalyst for hydrogen generation via electrolysis and photoelectrolysis. <i>ACS Nano</i> , 2014 , 8, 8121-9	16.7	352
394	A hydrothermal route to water-stable luminescent carbon dots as nanosensors for pH and temperature. <i>Carbon</i> , 2015 , 82, 87-95	10.4	312
393	Protein-directed synthesis of pH-responsive red fluorescent copper nanoclusters and their applications in cellular imaging and catalysis. <i>Nanoscale</i> , 2014 , 6, 1775-81	7.7	194
392	Correlations between molecular structures and third-order non-linear optical functions of heterothiometallic clusters: A comparative study. <i>Coordination Chemistry Reviews</i> , 2007 , 251, 111-141	23.2	190
391	A Double-Stimuli-Responsive Fluorescent Center for Monitoring of Food Spoilage based on Dye Covalently Modified EuMOFs: From Sensory Hydrogels to Logic Devices. <i>Advanced Materials</i> , 2017 , 29, 1702298	24	154
390	On-surface formation of one-dimensional polyphenylene through Bergman cyclization. <i>Journal of the American Chemical Society</i> , 2013 , 135, 8448-51	16.4	142
389	Tunable Carbon-Dot-Based Dual-Emission Fluorescent Nanohybrids for Ratiometric Optical Thermometry in Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 6621-8	9.5	139
388	A Nitrogen Doping Method for CoS ₂ Electrocatalysts with Enhanced Water Oxidation Performance. <i>ACS Catalysis</i> , 2017 , 7, 4214-4220	13.1	132
387	Colloidal synthesis of MoS ₂ quantum dots: size-dependent tunable photoluminescence and bioimaging. <i>New Journal of Chemistry</i> , 2015 , 39, 8492-8497	3.6	131
386	Light-Assisted Preparation of a ZnO/CdS Nanocomposite for Enhanced Photocatalytic H ₂ Evolution: An Insight into Importance of in Situ Generated ZnS. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 969-977	8.3	129
385	Recent advances in ultraviolet and deep-ultraviolet second-order nonlinear optical crystals. <i>Coordination Chemistry Reviews</i> , 2018 , 375, 459-488	23.2	115
384	A fluorescence ratiometric sensor for hypochlorite based on a novel dual-fluorophore response approach. <i>Analytica Chimica Acta</i> , 2013 , 775, 100-5	6.6	115
383	The hierarchical nanowires array of iron phosphide integrated on a carbon fiber paper as an effective electrocatalyst for hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 1454-1460	13	103
382	Dual responsive enzyme mimicking activity of AgX (X=Cl, Br, I) nanoparticles and its application for cancer cell detection. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 6434-42	9.5	103
381	On-surface aryl-aryl coupling via selective C-H activation. <i>Chemical Communications</i> , 2014 , 50, 11825-8	5.8	95
380	A new approach to light up the application of semiconductor nanomaterials for photoelectrochemical biosensors: using self-operating photocathode as a highly selective enzyme sensor. <i>Biosensors and Bioelectronics</i> , 2014 , 62, 66-72	11.8	94

379	Increased optical nonlinearities of graphene nanohybrids covalently functionalized by axially-coordinated porphyrins. <i>Carbon</i> , 2013 , 53, 327-338	10.4	94
378	Polyethyleneimine-Functionalized Fluorescent Carbon Dots: Water Stability, pH Sensing, and Cellular Imaging. <i>ChemNanoMat</i> , 2015 , 1, 122-127	3.5	91
377	Modulation of Third-Order Nonlinear Optical Properties by Backbone Modification of Polymeric Pillared-Layer Heterometallic Clusters. <i>Advanced Materials</i> , 2008 , 20, 1870-1875	24	90
376	Facile sonochemical synthesis of pH-responsive copper nanoclusters for selective and sensitive detection of Pb(2+) in living cells. <i>Analyst, The</i> , 2015 , 140, 5634-9	5	89
375	One-pot synthesis of diiron phosphide/nitrogen-doped graphene nanocomposite for effective hydrogen generation. <i>Nano Energy</i> , 2015 , 12, 666-674	17.1	85
374	Superhydrophilic and Superaerophobic Copper Phosphide Microsheets for Efficient Electrocatalytic Hydrogen and Oxygen Evolution. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600236	4.6	84
373	Studies on two interesting microporous polymeric clusters {[Et4N]2[MS4Cu4(CN)4]}n (M = Mo or W) with three-dimensional open frameworks: synthesis, structural characterization, strong optical non-linearities and large optical limiting properties. <i>Dalton Transactions RSC</i> , 2000 , 2823-2829		83
372	Covalent functionalization of reduced graphene oxide with porphyrin by means of diazonium chemistry for nonlinear optical performance. <i>Scientific Reports</i> , 2016 , 6, 23325	4.9	81
371	A fluorescent probe for hypochlorite based on the modulation of the unique rotation of the N-N single bond in acetohydrazide. <i>Chemical Communications</i> , 2015 , 51, 10435-8	5.8	78
370	TiCT MXene Nanosheets as a Robust and Conductive Tight on Si Anodes Significantly Enhance Electrochemical Lithium Storage Performance. <i>ACS Nano</i> , 2020 , 14, 5111-5120	16.7	77
369	Green Synthesis of Red-Emitting Carbon Nanodots as a Novel "Turn-on" Nanothermometer in Living Cells. <i>Chemistry - A European Journal</i> , 2016 , 22, 14475-9	4.8	74
368	Multiresponsive water-stable luminescent Cd coordination polymer for detection of TNP and Cu2+. <i>Sensors and Actuators B: Chemical</i> , 2018 , 272, 166-174	8.5	73
367	Covalent Assembly of MoS Nanosheets with SnS Nanodots as Linkages for Lithium/Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14621-14627	16.4	71
366	A ratiometric fluorescent probe for iron(III) and its application for detection of iron(III) in human blood serum. <i>Analytica Chimica Acta</i> , 2014 , 812, 145-51	6.6	71
365	Eu functionalized Sc-MOFs: Turn-on fluorescent switch for ppb-level biomarker of plastic pollutant polystyrene in serum and urine and on-site detection by smartphone. <i>Biosensors and Bioelectronics</i> , 2017 , 97, 299-304	11.8	70
364	Enhanced photoelectrochemical hydrogen production using silicon nanowires@MoS3. <i>Nano Energy</i> , 2013 , 2, 1337-1346	17.1	64
363	K5(W3O9F4)(IO3): An Efficient Mid-Infrared Nonlinear Optical Compound with High Laser Damage Threshold. <i>Chemistry of Materials</i> , 2019 , 31, 10100-10108	9.6	64
362	A coumarin-based fluorescent probe for biological thiols and its application for living cell imaging. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 8214-20	3.9	62

- 361 One-step synthesis of water-soluble and highly fluorescent MoS₂ quantum dots for detection of hydrogen peroxide and glucose. *Sensors and Actuators B: Chemical*, **2017**, 252, 183-190 8.5 60
- 360 Facile hydrothermal synthesis and optical limiting properties of TiO₂-reduced graphene oxide nanocomposites. *Carbon*, **2015**, 89, 130-141 10.4 60
- 359 A novel strategy for the construction of photoelectrochemical sensors based on quantum dots and electron acceptor: The case of dopamine detection. *Electrochemistry Communications*, **2014**, 41, 47-50 5.1 59
- 358 ZnAl₂O₄ as a novel high-surface-area ozonation catalyst: One-step green synthesis, catalytic performance and mechanism. *Chemical Engineering Journal*, **2015**, 260, 623-630 14.7 58
- 357 Simple hydrothermal preparation of Bi₂WO₆, and BiMnO₂ and phase sensitivity in catalytic ozonation. *RSC Advances*, **2014**, 4, 39167 3.7 58
- 356 Dehydrogenative homocoupling of terminal alkenes on copper surfaces: a route to dienes. *Angewandte Chemie - International Edition*, **2015**, 54, 4549-52 16.4 58
- 355 Near infrared Ag/Au alloy nanoclusters: tunable photoluminescence and cellular imaging. *Journal of Colloid and Interface Science*, **2014**, 416, 274-9 9.3 56
- 354 One-step hydrothermal synthesis of flowerlike MoS₂/CdS heterostructures for enhanced visible-light photocatalytic activities. *RSC Advances*, **2015**, 5, 15621-15626 3.7 56
- 353 Giant Optical Anisotropy in the UV-Transparent 2D Nonlinear Optical Material Sc(IO)₂(NO). *Angewandte Chemie - International Edition*, **2021**, 60, 3464-3468 16.4 54
- 352 Phase separation synthesis of trinickel monophosphide porous hollow nanospheres for efficient hydrogen evolution. *Journal of Materials Chemistry A*, **2016**, 4, 10925-10932 13 53
- 351 Amino-coumarin based fluorescence ratiometric sensors for acidic pH and their application for living cells imaging. *RSC Advances*, **2013**, 3, 12204 3.7 53
- 350 Graphene and Carbon-Nanotube Nanohybrids Covalently Functionalized by Porphyrins and Phthalocyanines for Optoelectronic Properties. *Advanced Materials*, **2018**, 30, e1705704 24 51
- 349 Nickel-Based (Photo)Electrocatalysts for Hydrogen Production. *Advanced Materials*, **2018**, 30, e1705653 24 51
- 348 Two Series of Lanthanide Coordination Polymers with 2-Methylenesuccinate: Magnetic Refrigerant, Slow Magnetic Relaxation, and Luminescence Properties. *Crystal Growth and Design*, **2016**, 16, 4574-4587 7.5 51
- 347 Glutathione modified carbon-dots: from aggregation-induced emission enhancement properties to a turn-on sensing of temperature/Fe³⁺ ions in cells. *Inorganic Chemistry Frontiers*, **2016**, 3, 514-522 6.8 51
- 346 Two luminescent Zn(II)/Cd(II) metal-organic frameworks as rare multifunctional sensors. *New Journal of Chemistry*, **2017**, 41, 8107-8117 3.6 51
- 345 Silicon nanowires/reduced graphene oxide composites for enhanced photoelectrochemical properties. *ACS Applied Materials & Interfaces*, **2013**, 5, 1961-6 9.5 51
- 344 Formation of polyphenyl chains through hierarchical reactions: Ullmann coupling followed by cross-dehydrogenative coupling. *Chemical Communications*, **2015**, 51, 495-8 5.8 50

343	Flexible magnetic nanoparticles-reduced graphene oxide composite membranes formed by self-assembly in solution. <i>ChemPhysChem</i> , 2010 , 11, 2432-7	3.2	50
342	Amorphous film of cerium doped cobalt oxide as a highly efficient electrocatalyst for oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 7526-7532	13	49
341	Donor-acceptor type triazine-based conjugated porous polymer for visible-light-driven photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2019 , 257, 117935	21.8	49
340	The First Assembly of a Nest-Shaped Heterothiometallic Cluster and a Polyoxometalate Anion □ Synthesis, Characterization, and Strong Third-Order Nonlinear Optical Response. <i>European Journal of Inorganic Chemistry</i> , 2002 , 2002, 55-64	2.3	49
339	The characteristic IR spectra of heterothiometallic cluster compounds. <i>Coordination Chemistry Reviews</i> , 2001 , 213, 51-77	23.2	49
338	Syntheses, Structural, Theoretical, and Nonlinear Optical Studies of Non-Interpenetrating Three-Dimensional Nest-Shaped-Cluster [MoOS ₃ Cu ₃]-Based Coordination Polymers. <i>Crystal Growth and Design</i> , 2011 , 11, 100-109	3.5	47
337	Large Second-Harmonic Response and Giant Birefringence of CeF(SO) Induced by Highly Polarizable Polyhedra. <i>Journal of the American Chemical Society</i> , 2021 , 143, 4138-4142	16.4	46
336	Preparation of pyridyltriazole ruthenium complexes as effective catalysts for the selective alkylation and one-pot C ₈ H hydroxylation of 2-oxindole with alcohols and mechanism exploration. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 2668-2675	5.2	45
335	Characterization and Luminescence Properties of YAG: Ce ³⁺ Phosphors by Molten Salt Synthesis. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 49-51	3.8	45
334	Conjugated polymers with broad absorption: Synthesis and application in polymer solar cells. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 2571-2578	2.5	45
333	Two novel anion cluster compounds with a planar open structure [Et ₄ N] ₂ [MS ₄ Cu ₄ (SCN) ₄ (2-pic) ₄] (M = W, Mo; 2-pic = 2-methylpyridine): synthesis, structural characterization, nonlinear response and large optical limiting properties. <i>Dalton Transactions RSC</i> , 2000 , 1317-1323		45
332	Ultrafast synthesis of molybdenum carbide nanoparticles for efficient hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 22805-22812	13	44
331	Phosphorus doped single wall carbon nanotubes loaded with nanoparticles of iron phosphide and iron carbide for efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 13336-13343	13	44
330	Rapid Sonochemical Synthesis of Luminescent and Paramagnetic Copper Nanoclusters for Bimodal Bioimaging. <i>ChemNanoMat</i> , 2015 , 1, 27-31	3.5	43
329	Superior peroxidase mimetic activity of carbon dotsPt nanocomposites relies on synergistic effects. <i>New Journal of Chemistry</i> , 2015 , 39, 4141-4146	3.6	43
328	Amorphous film of ternary NiCoP alloy on Ni foam for efficient hydrogen evolution by electroless deposition. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 7872-7880	6.7	43
327	Mercury(II)-stimulated oxidase mimetic activity of silver nanoparticles as a sensitive and selective mercury(II) sensor. <i>RSC Advances</i> , 2014 , 4, 5867	3.7	43
326	Triple Functions of Ni(OH) ₂ on the Surface of WN Nanowires Remarkably Promoting Electrocatalytic Activity in Full Water Splitting. <i>ACS Catalysis</i> , 2020 , 10, 13323-13333	13.1	42

325	Facile synthesis and enhanced nonlinear optical properties of porphyrin-functionalized multi-walled carbon nanotubes. <i>Chemistry - A European Journal</i> , 2013 , 19, 14159-70	4.8	42
324	Dodecanuclear-ellipse and decanuclear-wheel nickel(II) thiolato clusters with efficient femtosecond nonlinear absorption. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 4209-12	16.4	41
323	Nickel(II) thiolate complexes with a flexible cyclo-{Ni10S20} framework. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 3768-72	16.4	41
322	Large third-order optical nonlinearity of two cubane-like clusters containing oxotrithiometalate anions and silver: synthesis, characterization, reactivity, and NLO properties structure correlation. <i>Journal of Materials Chemistry</i> , 2003 , 13, 571-579		41
321	Microwave-Assisted Rapid Synthesis of Amphibious Yellow Fluorescent Carbon Dots as a Colorimetric Nanosensor for Cr(VI). <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 1058-1062	3.1	40
320	Blue-shifted emission and enhanced quantum efficiency via bridge elongation in carbazole-carborane dyads. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 15719-26	3.6	40
319	Efficient Photoelectrochemical Hydrogen Generation from Water Using a Robust Photocathode Formed by CdTe QDs and Nickel Ion. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 2429-2434	8.3	38
318	On-surface formation of two-dimensional polymer via direct C-H activation of metal phthalocyanine. <i>Chemical Communications</i> , 2015 , 51, 2836-9	5.8	38
317	In situ formation of p-n junction: a novel principle for photoelectrochemical sensor and its application for mercury(II) ion detection. <i>Analytica Chimica Acta</i> , 2014 , 827, 34-9	6.6	38
316	A Luminescent 3d-4f-4d MOF Nanoprobe as a Diagnosis Platform for Human Occupational Exposure to Vinyl Chloride Carcinogen. <i>Inorganic Chemistry</i> , 2017 , 56, 11176-11183	5.1	38
315	Graphene Porous Foam Loaded with Molybdenum Carbide Nanoparticulate Electrocatalyst for Effective Hydrogen Generation. <i>ChemSusChem</i> , 2016 , 9, 855-62	8.3	38
314	Ni-induced supramolecular structural transformation of cytosine on Au(111): from one-dimensional chains to zero-dimensional clusters. <i>Chemical Communications</i> , 2014 , 50, 3242-4	5.8	37
313	A ratiometric fluorescent probe for highly selective and sensitive detection of hypochlorite based on the oxidation of N-alkylpyridinium. <i>RSC Advances</i> , 2014 , 4, 59535-59540	3.7	37
312	Tetrazine chromophore-based metal-organic frameworks with unusual configurations: synthetic, structural, theoretical, fluorescent, and nonlinear optical studies. <i>Chemistry - A European Journal</i> , 2015 , 21, 7914-26	4.8	37
311	A Single-Bridge Strategy for Synthesis of a 3-D Heterobimetallic Cluster with a Heavily Distorted Diamondoid Topology and Enhanced Third-Order Nonlinear Optical Properties. <i>Crystal Growth and Design</i> , 2008 , 8, 387-390	3.5	37
310	Controlled Formation of TiO ₂ /MoS ₂ Core/Shell Heterostructures with Enhanced Visible-Light Photocatalytic Activities. <i>Particle and Particle Systems Characterization</i> , 2016 , 33, 221-227	3.1	37
309	Nanoclusters prepared from a silver/gold alloy as a fluorescent probe for selective and sensitive determination of lead(II). <i>Mikrochimica Acta</i> , 2015 , 182, 695-701	5.8	36
308	Atomic-scale investigation on the facilitation and inhibition of guanine tautomerization at Au(111) surface. <i>ACS Nano</i> , 2014 , 8, 1804-8	16.7	36

307	Tungsten sulfide enhancing solar-driven hydrogen production from silicon nanowires. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 10408-14	9.5	36
306	Facile Syntheses of Ba[BO(OH)] and Na[BO(OH)](HO) Borate Salts Exhibiting Nonlinear Optical Activity in the Ultraviolet. <i>Inorganic Chemistry</i> , 2017 , 56, 1340-1348	5.1	35
305	Hybrid Anatase/Rutile Nanodots-Embedded Covalent Organic Frameworks with Complementary Polysulfide Adsorption for High-Performance Lithium-Sulfur Batteries. <i>ACS Central Science</i> , 2019 , 5, 1876-1883	16.8	35
304	A Self-Supported Porous Hierarchical Core-Shell Nanostructure of Cobalt Oxide for Efficient Oxygen Evolution Reaction. <i>ACS Catalysis</i> , 2017 , 7, 8205-8213	13.1	34
303	Stable Ag nanoclusters-based nano-sensors: Rapid sonochemical synthesis and detecting Pb ²⁺ in living cells. <i>Sensors and Actuators B: Chemical</i> , 2017 , 238, 1136-1143	8.5	34
302	AIE-ligand-based luminescent Cd(II)-organic framework as the first turn-on Fe ³⁺ sensor in aqueous medium. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 1427-1432	7.1	34
301	Two-dimensional organic-inorganic heterostructures of in situ-grown layered COF on Ti ₃ C ₂ MXene nanosheets for lithium-sulfur batteries. <i>Nano Today</i> , 2020 , 35, 100991	17.9	34
300	Atomic-Scale Insight into Tautomeric Recognition, Separation, and Interconversion of Guanine Molecular Networks on Au(111). <i>Journal of the American Chemical Society</i> , 2015 , 137, 11795-800	16.4	32
299	Formation of a G-quartet-Fe complex and modulation of electronic and magnetic properties of the Fe center. <i>ACS Nano</i> , 2014 , 8, 11799-805	16.7	32
298	Synthesis of unsymmetrical phthalocyanines: a brief overview. <i>Tetrahedron</i> , 2012 , 68, 2433-2451	2.4	32
297	Yellow-emitting carbon-dots-impregnated carboxy methyl cellulose/poly-vinyl-alcohol and chitosan: stable, freestanding, enhanced-quenching Cu ²⁺ -ions sensor. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 4508-4515	7.1	31
296	Study on a series of pentanuclear planar open clusters: synthesis, characterization, strong third-order optical nonlinearities and superior optical limiting properties. <i>Journal of Materials Chemistry</i> , 2002 , 12, 239-248		31
295	Silicon nanowires loaded with iron phosphide for effective solar-driven hydrogen production. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 17669-17675	13	30
294	Mild solvothermal syntheses and characterization of layered copper thioantimonates(III) and thioarsenate(III). <i>Inorganic Chemistry</i> , 2014 , 53, 4856-60	5.1	30
293	Facile syntheses and tunable non-linear optical properties of heterothiometallic clusters with [MS ₄ Ag ₂] units (M=Mo, W). <i>Chemistry - A European Journal</i> , 2010 , 16, 13946-50	4.8	30
292	A new approach to superior optical limiting materials planar open heterothiometallic clusters. <i>Chemical Communications</i> , 2001 , 843-844	5.8	30
291	Aminopropyltrimethoxysilane-functionalized boron nitride nanotube based epoxy nanocomposites with simultaneous high thermal conductivity and excellent electrical insulation. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 20663-20668	13	30
290	UV Solar-Blind-Region Phase-Matchable Optical Nonlinearity and Anisotropy in a Conjugated Cation-Containing Phosphate. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 14806-14810	16.4	29

- 289 Three-dimensional tetsubo-like Co(OH)₂ nanorods on a macroporous electrically conductive network as an efficient electroactive framework for the hydrogen evolution reaction. *Journal of Materials Chemistry A*, **2017**, 5, 2629-2639 13 28
- 288 Complete suppression of the fluorophore fluorescence by combined effect of multiple fluorescence quenching groups: A fluorescent sensor for Cu²⁺ with zero background signals. *Analytica Chimica Acta*, **2016**, 908, 1-7 6.6 28
- 287 Iridium(III) complexes bearing oxadiazol-substituted amide ligands: color tuning and application in highly efficient phosphorescent organic light-emitting diodes. *Journal of Materials Chemistry C*, **2017**, 5, 9146-9156 7.1 28
- 286 g-C₃N₄/SiO₂/Nb₃O₈ composites with enhanced photocatalytic activities for rhodamine B degradation under visible light. *Journal of Molecular Catalysis A*, **2011**, 345, 90-95 28
- 285 Ammonium-crown ether supramolecular cation-templated assembly of an unprecedented heterobicluster-metal coordination polymer with enhanced NLO properties. *Chemical Communications*, **2016**, 52, 3797-800 5.8 27
- 284 Efficient and Stable MoS₂/CdSe/NiO Photocathode for Photoelectrochemical Hydrogen Generation from Water. *Chemistry - an Asian Journal*, **2015**, 10, 1660-7 4.5 27
- 283 Decanuclear Cluster-Based Metal-Organic Framework with a (3,11)-Connected Topology and Highly Sensitive 2,4,6-Trinitrophenol Detection. *Inorganic Chemistry*, **2019**, 58, 9749-9755 5.1 26
- 282 Seed-catalyzed heteroepitaxial growth and nonlinear optical properties of zinc selenide nanowires. *Journal of Materials Chemistry*, **2012**, 22, 10009 26
- 281 On-off-on gold nanocluster-based near infrared fluorescent probe for recognition of Cu(II) and vitamin C. *Mikrochimica Acta*, **2017**, 184, 1315-1324 5.8 25
- 280 Cooperative enhancement of optical nonlinearities in a porphyrin derivative bearing a pyrimidine chromophore at the periphery. *Organic and Biomolecular Chemistry*, **2013**, 11, 4250-7 3.9 25
- 279 Synthesis and properties of photo-activable phthalocyanines: a brief overview. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2011**, 71, 1-24 25
- 278 A 1,3-dipolar cycloaddition protocol to porphyrin-functionalized reduced graphene oxide with a push-pull motif. *Nano Research*, **2015**, 8, 870-886 10 24
- 277 Enhancement of Second-Order Optical Nonlinearity in a Lutetium Selenite by Monodentate Anion Partial Substitution. *Chemistry of Materials*, **2020**, 32, 3043-3053 9.6 24
- 276 Reaction-based fluorescent probe for detection of endogenous cyanide in real biological samples. *Chemistry - an Asian Journal*, **2014**, 9, 3291-8 4.5 24
- 275 Controllable Scission and Seamless Stitching of Metal-Organic Clusters by STM Manipulation. *Angewandte Chemie - International Edition*, **2015**, 54, 6526-30 16.4 24
- 274 Promoting electrocatalytic activity of cobalt cyclotetraphosphate in full water splitting by titanium-oxide-accelerated surface reconstruction. *Journal of Materials Chemistry A*, **2019**, 7, 12457-12467 13 23
- 273 Gold nanoparticle-enhanced near infrared fluorescent nanocomposites for targeted bio-imaging. *RSC Advances*, **2015**, 5, 20-26 3.7 23
- 272 AGa₃F₆(SeO₃)₂ (A = Rb, Cs): A New Type of Phase-Matchable Hexagonal Tungsten Oxide Material with Strong Second-Harmonic Generation Responses. *Chemistry of Materials*, **2020**, 32, 6906-6915 9.6 23

271	Solventless Formation of G-Quartet Complexes Based on Alkali and Alkaline Earth Salts on Au(111). <i>ChemPhysChem</i> , 2015 , 16, 2099-105	3.2	23
270	Low-cost, large-scale, and facile production of Si nanowires exhibiting enhanced third-order optical nonlinearity. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 1553-9	9.5	23
269	Solvent-induced syntheses of 2D/3D [AgSCN] _n -based supramolecular isomers with unusual topologies: structural, theoretical and nonlinear optical studies. <i>CrystEngComm</i> , 2012 , 14, 2787	3.3	23
268	Giant Optical Anisotropy in the UV-Transparent 2D Nonlinear Optical Material Sc(IO ₃) ₂ (NO ₃). <i>Angewandte Chemie</i> , 2021 , 133, 3506-3510	3.6	23
267	Efficient crystallization-induced emission in fluorenyl-tethered carboranes. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 12928-12935	3.6	22
266	TiO ₂ /multi-walled carbon nanotube nanocomposites: hydrothermal synthesis and temporally-dependent optical properties. <i>RSC Advances</i> , 2016 , 6, 20120-20127	3.7	22
265	Multi-walled carbon nanotubes covalently functionalized by axially coordinated metal-porphyrins: Facile syntheses and temporally dependent optical performance. <i>Nano Research</i> , 2016 , 9, 458-472	10	22
264	Optical nonlinearity and optical limiting properties of new metal cluster [WOS ₃ Cu ₃ (2-MePy) ₃]. <i>Optics Communications</i> , 1999 , 168, 131-134	2	22
263	Dual-emitting quantum dot/carbon nanodot-based nanoprobe for selective and sensitive detection of Fe(3+) in cells. <i>Analyst, The</i> , 2016 , 141, 4488-94	5	22
262	Acoustic topological insulator by honeycomb sonic crystals with direct and indirect band gaps. <i>New Journal of Physics</i> , 2018 , 20, 093027	2.9	22
261	Giant Second-Harmonic Generation Response and Large Band Gap in the Partially Fluorinated Mid-Infrared Oxide RbTeMoOF. <i>Journal of the American Chemical Society</i> , 2021 , 143, 12455-12459	16.4	22
260	Exceptionally large two- and three-photon absorption cross-sections by OPV organometalation. <i>Chemical Communications</i> , 2016 , 52, 8301-4	5.8	21
259	Four one-dimensional lanthanide-phenylacetate polymers exhibiting luminescence and magnetic cooling/spin-glass behavior. <i>Dalton Transactions</i> , 2017 , 46, 16485-16492	4.3	21
258	Facile synthesis of hollow carbon microspheres embedded with molybdenum carbide nanoparticles as an efficient electrocatalyst for hydrogen generation. <i>RSC Advances</i> , 2016 , 6, 75870-75874	3.7	21
257	Two Types of Lanthanide Coordination Polymers Based on a Homophthalate Ligand Exhibiting Luminescence and a Significant Magnetocaloric Effect. <i>Crystal Growth and Design</i> , 2017 , 17, 3877-3884	3.5	20
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122	Few-layer tiny nanoflakes of molybdenum sulfide loaded on porous carbon as an efficient electrocatalyst for hydrogen generation. <i>Journal of Alloys and Compounds</i> , 2018 , 750, 927-934	5.7	5
121	Synthesis and thermal decomposition of 3,3-bis-azidomethyl oxetane-3-azidomethyl-3-methyl oxetane random copolymer. <i>Soft Materials</i> , 2016 , 14, 9-14	1.7	5
120	Atomic-Scale Visualization of the Stepwise Metal-Mediated Dehalogenative Cycloaddition Reaction Pathways: Competition between Radicals and Organometallic Intermediates. <i>Angewandte Chemie</i> , 2019 , 131, 17900-17908	3.6	5
119	Constructing a novel single-layer white organic light-emitting device through a new sky-blue fluorescent bipolar host. <i>Organic Electronics</i> , 2014 , 15, 3514-3520	3.5	5
118	Tailoring on-surface supramolecular architectures based on adenine directed self-assembly. <i>Chemical Communications</i> , 2014 , 50, 356-8	5.8	5
117	Synthesis, Crystal Structure, Theoretical Study, Thermal Behavior, and Luminescence Property of A Bromide-Bridged Silver(I) Complex with 4, 4'-Bipyridine. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014 , 640, 974-979	1.3	5
116	Syntheses, Electrochemical, Linear Optical, and Cubic Nonlinear Optical Properties of Ruthenium-Alkynyl-Functionalized Oligo(phenylenevinylene) Stars. <i>ChemPlusChem</i> , 2015 , 80, 1329-1340	2.8	5
115	DFT studies on nonlinear optical properties of neutral nest-shaped heterothiometallic [MOS ₃ Py ₅ Cu ₃ X] (M=Mo, W; X=F, Cl, Br, I) clusters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009 , 74, 228-32	4.4	5
114	Nonlinear optical and optical limiting properties of a novel cluster [WS ₄ Cu ₄ I ₂ (py) ₆]. <i>Optics Communications</i> , 2000 , 181, 97-100	2	5
113	Optical limiting properties and nonlinearity of a novel pentanuclear cluster. <i>Optical Materials</i> , 2000 , 15, 187-190	3.3	5
112	Tris(2,2'-bipyridine- κ ,N')cobalt(III) octa-cyanido-tungstate(V). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009 , 66, m12		5
111	Synthesis, Optical, Electrochemical, and Theoretical Studies of Dipolar Ruthenium Alkynyl Complexes with Oligo(phenylenevinylene) Bridges. <i>ChemPlusChem</i> , 2016 , 81, 613-620	2.8	5
110	Electrical Tuning of the Fifth-Order Optical Nonlinearity of Antimony-Doped Tin Oxide. <i>Advanced Optical Materials</i> , 2021 , 9, 2001357	8.1	5

109	Enhancing Reverse Saturable Absorption in SnS Nanosheets by Plasma Treatment. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 4211-4219	9.5	5
108	Rb ₃ In(SO ₄) ₃ : a defluorinated mixed main-group metal sulfate for ultraviolet transparent nonlinear optical materials with a large optical band gap. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 5124-5131	7.1	5
107	Vertical Stacking of Copper Sulfide Nanoparticles and Molybdenum Sulfide Nanosheets for Enhanced Nonlinear Absorption. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 35835-35844	9.5	4
106	Two 1D carboxylate-bridged magnets displaying solvent-dependent canted antiferromagnetic ordering. <i>CrystEngComm</i> , 2019 , 21, 4098-4103	3.3	4
105	A supra-cubane-like Mo/S/Cu cluster: Cation-directed synthesis, crystal structure and nonlinear optical property. <i>Polyhedron</i> , 2015 , 101, 1-5	2.7	4
104	Constitutional Dynamics of Metal-Organic Motifs on a Au(111) Surface. <i>Angewandte Chemie</i> , 2016 , 128, 7273-7276	3.6	4
103	Ultrafast nonlinear optical response of molybdenum nano-film in wide wavelength range. <i>Optical Materials</i> , 2019 , 95, 109244	3.3	4
102	A molecular conformational change induced self-assembly: from randomness to order. <i>Chemical Communications</i> , 2013 , 49, 5207-9	5.8	4
101	Identification of Molecular-Adsorption Geometries and Intermolecular Hydrogen-Bonding Configurations by In Situ STM Manipulation. <i>Angewandte Chemie</i> , 2013 , 125, 7590-7593	3.6	4
100	Strong optical limiting properties of novel planar clusters. <i>Materials Letters</i> , 2000 , 46, 49-52	3.3	4
99	From CeF ₂ (SO ₄)·H ₂ O to Ce(IO ₃) ₂ (SO ₄): Defluorinated Homovalent Substitution for Strong Second-Harmonic-Generation Effect and Sufficient Birefringence. <i>Chemistry of Materials</i> ,	9.6	4
98	Reversible Dynamic Structural Transformation between 3D and 1D Cd ^{II} to Heterometallic MOFs Showing Switchable Spin-Canted Antiferromagnetism. <i>Crystal Growth and Design</i> , 2020 , 20, 1103-1109	3.5	4
97	Realizing Saturable Absorption and Reverse Saturable Absorption in a PEDOT:PSS Film via Electrical Modulation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 48982-48990	9.5	4
96	Naphthalene/anthracene chromophore-based W/S/Cu cluster-organic frameworks with adjustable Fe ³⁺ sensing properties. <i>Journal of Solid State Chemistry</i> , 2021 , 298, 122123	3.3	4
95	First chiral fluorinated lead vanadate selenite Pb(VOF)(VO)(SeO) with five asymmetric motifs and large optical properties. <i>Dalton Transactions</i> , 2021 , 50, 7238-7245	4.3	4
94	In situ Alkylation of 4,4'-Vinylenedipyridine for Inorganic-Organic Iodides/Iodidomercurates. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 483-487	1.3	3
93	Two Cadmium Germanophosphates [CdGe(μ-O)(HPO ₄) ₂ ·(H ₂ O) ₂].H ₂ O and Anhydrous Cd ₇ Ge(PO ₄) ₆ : Syntheses, Crystal Structures and Photoluminescence Properties. <i>ChemistrySelect</i> , 2017 , 2, 9088-9093	1.8	3
92	Synthesis, photophysical and electroluminescent properties of iridium(III) complexes with 2-aryl-thiazole and oxadiazol-substituted amide derivative ligands. <i>New Journal of Chemistry</i> , 2019 , 43, 4272-4281	3.6	3

91	Two 4?-(4-carboxyphenyl)-3,2?:6?,3?-terpyridine-based luminescent Zn(II) coordination polymers for detection of 2,4,6-trinitrophenol. <i>Polyhedron</i> , 2019 , 169, 51-57	2.7	3
90	On-Surface Construction of Network Structures by the tert-Butyl-Substituted Organic Molecules. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 8155-8159	3.8	3
89	Carbon Nanohybrids: Graphene and Carbon-Nanotube Nanohybrids Covalently Functionalized by Porphyrins and Phthalocyanines for Optoelectronic Properties (Adv. Mater. 17/2018). <i>Advanced Materials</i> , 2018 , 30, 1870118	24	3
88	Covalent modification of temperature-sensitive breathable polyurethane with carbon nanotubes. <i>Soft Materials</i> , 2016 , 14, 272-277	1.7	3
87	Construction of two unique W/S/Cu cluster-based coordination polymers affected by pseudohalogen ligands. <i>Polyhedron</i> , 2016 , 107, 68-77	2.7	3
86	Synthesis, crystal structures and luminescence properties of rare earth-cadmium hydroxycarbonates with the formula RE ₂ Cd(CO ₃) ₂ (OH) ₆ (RE = Y, Er). <i>Inorganica Chimica Acta</i> , 2016 , 444, 217-220	2.7	3
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84	Adsorption-geometry induced transformation of self-assembled nanostructures of an aldehyde molecule on Cu(110). <i>Nanoscale</i> , 2014 , 6, 11062-5	7.7	3
83	Construction of copper-based coordination polymers with 1D chain, 2D plane and wavy networks: Syntheses, structures, thermal behavior and photoluminescence properties. <i>Journal of Chemical Sciences</i> , 2015 , 127, 1871-1882	1.8	3
82	A twofold interwoven two-dimensional-two-dimensional (2-D-2-D) cluster-organic network based on the [Cu ₂ I ₂] cluster and the 4,4'-(diazenediyl)dipyridine ligand: poly[[2-4,4'-(diazenediyl)dipyridine]-2-iodido-copper(I)]. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013 , 69, 123-6		3
81	Pulse-width-dependent self-focusing - defocusing transformation of the compound [Et ₄ N] ₂ [MoS ₄ Cu ₄ (SCN) ₄ (2-pic) ₄]. <i>Journal of Optics</i> , 2002 , 4, 199-201		3
80	A Novel Microporous Cluster Polymer {[Et ₄ N] ₂ [WS ₄ Cu ₄ (CN) ₄]} _n with Cyanide-Bridged Three-Dimensional Open-Framework. <i>Chemistry Letters</i> , 2000 , 29, 502-503	1.7	3
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77	synthesis of stretchable and highly stable multi-color carbon-dots/polyurethane composite films for light-emitting devices.. <i>RSC Advances</i> , 2020 , 10, 1281-1286	3.7	3
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75	Molecular Engineering toward an Enlarged Optical Band Gap in a Bismuth Sulfate via Homovalent Cation Substitution. <i>Inorganic Chemistry</i> , 2021 , 60, 5851-5859	5.1	3
74	Fast electrochemical activation of the broadband saturable absorption of tungsten oxide nanoporous film. <i>Nano Research</i> , 1	10	3

73	Pseudospin-dependent acoustic topological insulator by airborne sonic crystals with a triangular lattice. <i>Applied Physics Express</i> , 2019 , 12, 044003	2.4	3
72	Efficient hydrogen production via sunlight-driven thermal formic acid decomposition over a porous film of molybdenum carbide. <i>Journal of Materials Chemistry A</i> ,	13	3
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59	Synthesis, Crystal Structure, Theoretical Study, and Luminescence Property of a Copper(I) Complex with Dipyrido[3,2-f:2',3'-h]-quinoxaline. <i>Molecular Crystals and Liquid Crystals</i> , 2014 , 605, 187-196	0.5	2
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54	Poly[[η]-3,6-di-4-pyridyl-1,2,4,5-tetra-zine)(η)-thio-cyanato)copper(I)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, m217		2
53	A Polypyrrole Hybrid Material Self-Assembled with Porphyrin: Facial Synthesis and Enhanced Optical Limiting Properties. <i>Journal of Materials Science and Chemical Engineering</i> , 2017 , 05, 26-43	0.3	2
52	Switching the Nonparametric Optical Nonlinearity of Tungsten Oxide by Electrical Modulation. <i>Advanced Optical Materials</i> , 2021 , 9, 2002188	8.1	2
51	Syntheses, Crystal Structures, and Magnetic Properties of Two Mononuclear Nickel-Nitronyl Nitroxide Radical Compounds. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016 , 642, 527-531	1.3	2
50	A Congruent-Melting Mid-Infrared Nonlinear Optical Vanadate Exhibiting Strong Second-Harmonic Generation. <i>Angewandte Chemie</i> , 2021 , 133, 22621-22627	3.6	2
49	Giant Nonlinear Optical Absorption of Ion-Intercalated Tin Disulfide Associated with Abundant In-Gap Defects. <i>Advanced Functional Materials</i> , 2106930	15.6	2
48	Synthesis, Crystal Structures and Magnetic Properties of Carboxyl Bridged 3d ^{4f} Heterometallic Coordination Polymers Based on Metalloligand and Lanthanide Ions. <i>Journal of Cluster Science</i> , 2019 , 30, 747-756	3	1
47	New fluorescent emitter for efficient deep-blue electroluminescence with unusual roll-up character. <i>Materials Letters</i> , 2015 , 158, 392-394	3.3	1
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45	Two 1,2,4,5-tetra(4-pyridyl)benzene-based Zn(II)-organic frameworks: Structures and luminescence sensing property. <i>Polyhedron</i> , 2020 , 182, 114484	2.7	1
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40	AgBi(WO ₄) ₂ : A New Modification Material to Bi ₂ WO ₆ for Enhanced and Stable Visible-Light Photocatalytic Performance. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 1948-52	4.5	1
39	Synthesis, Crystal Structure, Theoretical Study, and Luminescence Spectroscopy of A W/Cu/S Cluster with 1, 10-Phenanthroline. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014 , 640, 2212-2216	1.3	1
38	catena-Poly[[tetra-kis-(hexa-methyl-phospho-ramide- η)bis-(nitrate- η O,O')erbium(III)] [silver(I)-di- μ -sulfido-tungstate(VI)-di- μ -sulfido]]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013 , 69, m43-4		1

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36	Bis[tris-(ethane-1,2-diamine)nickel(II)] octa-cyanidomolybdate(IV) penta-hydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009 , 66, m24-5		1
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33	Syntheses, Structures and Properties of 3d-4f Heterometallic Coordination Polymers Based on Tetradentate Metalloligand and Lanthanoid Ions. <i>Journal of Materials Science and Chemical Engineering</i> , 2018 , 06, 163-179	0.3	1
32	Mercury exposure in sedentary and migratory Charadrius plovers distributed widely across China. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 4236-4245	5.1	1
31	Four distinct anionic heterothiometallic W/S/Ag polymeric clusters directed by solvent-coordinated metal cations. <i>Polyhedron</i> , 2016 , 109, 67-74	2.7	1
30	Two Zn(II)-organic frameworks based on V -shaped terpyridine ligand and dicarboxylic ligands: Fascinating architectures and efficient luminescent aqueous-phase dual-responsive detection. <i>Journal of Solid State Chemistry</i> , 2021 , 294, 121849	3.3	1
29	Solvothermal Syntheses of Three-Dimensional Open-Framework Thioantimonates Displaying Nonlinear Optical Responses. <i>Crystal Growth and Design</i> , 2021 , 21, 4757-4764	3.5	1
28	Design, Synthesis, and Adhesion of Fluorescent Conjugated Polymers with Pendant Catechol Groups. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 4543-4553	4.3	1
27	Two Distinct Dimeric Heterothiometallic W/S/Cu Clusters with Effective Photocatalytic Property. <i>Journal of Cluster Science</i> , 2015 , 26, 1857-1872	3	0
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25	Convenient method for improving the light output of scintillators by using buffer layers coated with photonic crystals. <i>Optics Express</i> , 2020 , 28, 11301-11308	3.3	0
24	Oxidation-State-Dependent Nonlinear Absorption of Prussian Blue. <i>Journal of Electronic Materials</i> , 2022 , 51, 249	1.9	0
23	A Water-Stable Luminescent W/S/Cu Heterothiometallic Cluster for Detection of TNP. <i>Journal of Cluster Science</i> , 2020 , 31, 1383-1388	3	0
22	Ionothermal Synthesis of Two New Thioantimonates with Transition Metal Regulation. <i>Journal of Cluster Science</i> , 1	3	0
21	Research on Intelligent Vehicle Path Tracking with Subsystems Based on Multimodel Intelligent Hierarchical Control Theory. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-15	1.1	0
20	A two dimensional GdIII coordination polymer based on isonicotinic acid N-oxide with large magnetocaloric effect. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021 , 647, 1542-1546	1.3	0

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18	Electrochemical modulation enhancing the saturation absorption of polyaniline. <i>Optical Materials</i> , 2021 , 118, 111272	3.3	0
17	Dicarboxylic ligands directing two Zn(II)-organic frameworks with distinct structures and significantly enhanced luminescence detection performances. <i>Dyes and Pigments</i> , 2021 , 196, 109760	4.6	0
16	Two Ag(I)/Ni(II) Heterobimetallic Coordination Polymers Based on Metalloligand and Bridging Ligands: Syntheses, Structures and Luminescence Properties. <i>Journal of Cluster Science</i> , 2016 , 27, 1191-1201	3.2	0
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14	Synthesis, crystal structure, theoretical study and luminescence property of a butterfly-like W/Cu/S cluster with 1,10-phenanthroline. <i>Journal of Chemical Sciences</i> , 2015 , 127, 643-648	1.8	
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10	catena-Poly[[triphenyl-phosphane]copper(I)]-di-bromido-[[triphenyl-phosphane]copper(I)]-1,3-bis(pyridin-4-yl)-pentafluorobenzene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, m252		
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8	A new configuration of the one-dimensional anionic Mo/S/Ag polymer, {[Ce(dmac)7MeOH][Mo3S12Ag3]}n(dmac is N,N-dimethylacetamide). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, m1987-m1988		
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2	On-surface stereoconvergent synthesis, dimerization and hybridization of organocopper complexes. <i>Science China Chemistry</i> , 2019 , 62, 126-132	7.9	

- 1 Two unusual metal-organic frameworks based on W/S/Cu clusters and Tetrakis(4-pyridyl)benzene: Enhanced nonlinear optics and efficient luminescence sensing. *Journal of Solid State Chemistry*, **2021**, 301, 122349

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