

Chi Zhang

List of Publications by Year in descending order

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411
papers

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citations

23500

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40881

93
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425
all docs

425
docs citations

425
times ranked

14842
citing authors

#	ARTICLE	IF	CITATIONS
1	Cobalt phosphide nanorods as an efficient electrocatalyst for the hydrogen evolution reaction. <i>Nano Energy</i> , 2014, 9, 373-382.	8.2	478
2	Ni ₁₂ P ₅ Nanoparticles as an Efficient Catalyst for Hydrogen Generation via Electrolysis and Photoelectrolysis. <i>ACS Nano</i> , 2014, 8, 8121-8129.	7.3	413
3	A hydrothermal route to water-stable luminescent carbon dots as nanosensors for pH and temperature. <i>Carbon</i> , 2015, 82, 87-95.	5.4	382
4	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.	9.5	223
5	Protein-directed synthesis of pH-responsive red fluorescent copper nanoclusters and their applications in cellular imaging and catalysis. <i>Nanoscale</i> , 2014, 6, 1775-1781.	2.8	221
6	A Double-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.	11.1	214
7	A Nitrogen Doping Method for CoS ₂ Electrocatalysts with Enhanced Water Oxidation Performance. <i>ACS Catalysis</i> , 2017, 7, 4214-4220.	5.5	181
8	Tunable Carbon-Dot-Based Dual-Emission Fluorescent Nanohybrids for Ratiometric Optical Thermometry in Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 6621-6628.	4.0	180
9	Colloidal synthesis of MoS ₂ quantum dots: size-dependent tunable photoluminescence and bioimaging. <i>New Journal of Chemistry</i> , 2015, 39, 8492-8497.	1.4	170
10	Recent advances in ultraviolet and deep-ultraviolet second-order nonlinear optical crystals. <i>Coordination Chemistry Reviews</i> , 2018, 375, 459-488.	9.5	166
11	Ti ₃ C ₂ T _x 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.	7.3	157
12	On-Surface Formation of One-Dimensional Polyphenylene through Bergman Cyclization. <i>Journal of the American Chemical Society</i> , 2013, 135, 8448-8451.	6.6	154
13	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.	3.2	154
14	Large Second-Harmonic Response and Giant Birefringence of CeF ₂ (SO ₄) Induced by Highly Polarizable Polyhedra. <i>Journal of the American Chemical Society</i> , 2021, 143, 4138-4142.	6.6	147
15	A fluorescence ratiometric sensor for hypochlorite based on a novel dual-fluorophore response approach. <i>Analytica Chimica Acta</i> , 2013, 775, 100-105.	2.6	124
16	Covalent Assembly of MoS ₂ Nanosheets with SnS Nanodots as Linkages for Lithium/Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14621-14627.	7.2	124
17	Giant Optical Anisotropy in the UV-Transparent 2D Nonlinear Optical Material Sc(IO ₃) ₂ (NO ₃). <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3464-3468.	7.2	124
18	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.	5.2	120

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19	Triple Functions of Ni(OH) ₂ on the Surface of WN Nanowires Remarkably Promoting Electrocatalytic Activity in Full Water Splitting. ACS Catalysis, 2020, 10, 13323-13333.	5.5	120
20	Dual Responsive Enzyme Mimicking Activity of AgX (X = Cl, Br, I) Nanoparticles and Its Application for Cancer Cell Detection. ACS Applied Materials & Interfaces, 2014, 6, 6434-6442.	4.0	118
21	Increased optical nonlinearities of graphene nano hybrids covalently functionalized by axially-coordinated porphyrins. Carbon, 2013, 53, 327-338.	5.4	117
22	Polyethyleneimine-Functionalized Fluorescent Carbon Dots: Water Stability, pH Sensing, and Cellular Imaging. ChemNanoMat, 2015, 1, 122-127.	1.5	117
23	Superhydrophilic and Superaerophobic Copper Phosphide Microsheets for Efficient Electrocatalytic Hydrogen and Oxygen Evolution. Advanced Materials Interfaces, 2016, 3, 1600236.	1.9	114
24	On-surface aryl-aryl coupling via selective C-H activation. Chemical Communications, 2014, 50, 11825-11828.	2.2	106
25	A new approach to light up the application of semiconductor nanomaterials for photoelectrochemical biosensors: Using self-operating photocathode as a highly selective enzyme sensor. Biosensors and Bioelectronics, 2014, 62, 66-72.	5.3	103
26	Multiresponsive water-stable luminescent Cd coordination polymer for detection of TNP and Cu ²⁺ . Sensors and Actuators B: Chemical, 2018, 272, 166-174.	4.0	101
27	Two-dimensional organic-inorganic heterostructures of in situ-grown layered COF on Ti3C2 MXene nanosheets for lithium-sulfur batteries. Nano Today, 2020, 35, 100991.	6.2	101
28	Facile sonochemical synthesis of pH-responsive copper nanoclusters for selective and sensitive detection of Pb ²⁺ in living cells. Analyst, The, 2015, 140, 5634-5639.	1.7	100
29	UV Solar-Blind-Region Phase-Matchable Optical Nonlinearity and Anisotropy in a Conjugated Cation-Containing Phosphate. Angewandte Chemie - International Edition, 2021, 60, 14806-14810.	7.2	99
30	Covalent functionalization of reduced graphene oxide with porphyrin by means of diazonium chemistry for nonlinear optical performance. Scientific Reports, 2016, 6, 23325.	1.6	98
31	Modulation of Third-Order Nonlinear Optical Properties by Backbone Modification of Polymeric Pillared-Layer Heterometallic Clusters. Advanced Materials, 2008, 20, 1870-1875.	11.1	97
32	A fluorescent probe for hypochlorite based on the modulation of the unique rotation of the N-N single bond in acetohydrazide. Chemical Communications, 2015, 51, 10435-10438.	2.2	93
33	One-pot synthesis of diiron phosphide/nitrogen-doped graphene nanocomposite for effective hydrogen generation. Nano Energy, 2015, 12, 666-674.	8.2	93
34	K ₅ (W ₃ O ₉ F ₄)(IO ₃): An Efficient Mid-Infrared Nonlinear Optical Compound with High Laser Damage Threshold. Chemistry of Materials, 2019, 31, 10100-10108.	3.2	92
35	Giant Second-Harmonic Generation Response and Large Band Gap in the Partially Fluorinated Mid-Infrared Oxide RbTeMo ₂ O ₈ F. Journal of the American Chemical Society, 2021, 143, 12455-12459.	6.6	91
36	Donor-acceptor type triazine-based conjugated porous polymer for visible-light-driven photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2019, 257, 117935.	10.8	89

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37	Green Synthesis of Red-Emitting Carbon Nanodots as a Novel Turn-On-Nanothermometer in Living Cells. <i>Chemistry - A European Journal</i> , 2016, 22, 14475-14479.	1.7	88
38	Studies on two interesting microporous polymeric clusters {[Et ₄ N] ₂ [MS ₄ Cu ₄ (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.	2.3	85
39	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, 145-151.	2.6	85
40	Simple hydrothermal preparation of Mn ²⁺ , Mn ³⁺ , and Mn ⁴⁺ -MnO ₂ and phase sensitivity in catalytic ozonation. <i>RSC Advances</i> , 2014, 4, 39167.	1.7	83
41	Eu ³⁺ 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.	5.3	82
42	One-step synthesis of water-soluble and highly fluorescent MoS ₂ quantum dots for detection of hydrogen peroxide and glucose. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 183-190.	4.0	81
43	Glutathione modified carbon-dots: from aggregation-induced emission enhancement properties to a turn-on sensing of Fe ³⁺ ions in cells. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 514-522.	3.0	78
44	Graphene and Carbon Nanotube Nanohybrids Covalently Functionalized by Porphyrins and Phthalocyanines for Optoelectronic Properties. <i>Advanced Materials</i> , 2018, 30, e1705704.	11.1	74
45	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.	5.2	72
46	Enhanced photoelectrochemical hydrogen production using silicon nanowires@MoS ₃ . <i>Nano Energy</i> , 2013, 2, 1337-1346.	8.2	69
47	A novel strategy for the construction of photoelectrochemical sensors based on quantum dots and electron acceptor: The case of dopamine detection. <i>Electrochemistry Communications</i> , 2014, 41, 47-50.	2.3	69
48	A coumarin-based fluorescent probe for biological thiols and its application for living cell imaging. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 8214.	1.5	68
49	Dehydrogenative Homocoupling of Terminal Alkenes on Copper Surfaces: A Route to Dienes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4549-4552.	7.2	66
50	Facile hydrothermal synthesis and optical limiting properties of TiO ₂ -reduced graphene oxide nanocomposites. <i>Carbon</i> , 2015, 89, 130-141.	5.4	66
51	Nickel-Based (Photo)Electrocatalysts for Hydrogen Production. <i>Advanced Materials</i> , 2018, 30, e1705653.	11.1	66
52	ZnAl ₂ O ₄ as a novel high-surface-area ozonation catalyst: One-step green synthesis, catalytic performance and mechanism. <i>Chemical Engineering Journal</i> , 2015, 260, 623-630.	6.6	65
53	Ultrafast synthesis of molybdenum carbide nanoparticles for efficient hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22805-22812.	5.2	65
54	Amino-coumarin based fluorescence ratiometric sensors for acidic pH and their application for living cells imaging. <i>RSC Advances</i> , 2013, 3, 12204.	1.7	62

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55	Phase separation synthesis of trinickel monophosphide porous hollow nanospheres for efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10925-10932.	5.2	62
56	Amorphous film of ternary Ni Co P alloy on Ni foam for efficient hydrogen evolution by electroless deposition. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 7872-7880.	3.8	62
57	AIE-ligand-based luminescent Cd(^{II})-organic framework as the first Fe^{3+} sensor in aqueous medium. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1427-1432.	2.7	61
58	One-step hydrothermal synthesis of flowerlike MoS_2/CdS heterostructures for enhanced visible-light photocatalytic activities. <i>RSC Advances</i> , 2015, 5, 15621-15626.	1.7	60
59	Preparation of pyridyltriazole ruthenium complexes as effective catalysts for the selective alkylation and one-pot C-H hydroxylation of 2-oxindole with alcohols and mechanism exploration. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2668-2675.	2.3	60
60	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.	5.3	59
61	Near infrared Ag/Au alloy nanoclusters: Tunable photoluminescence and cellular imaging. <i>Journal of Colloid and Interface Science</i> , 2014, 416, 274-279.	5.0	58
62	Formation of polyphenyl chains through hierarchical reactions: Ullmann coupling followed by cross-dehydrogenative coupling. <i>Chemical Communications</i> , 2015, 51, 495-498.	2.2	58
63	Two luminescent Zn(^{II})/Cd(^{II}) metal-organic frameworks as rare multifunctional sensors. <i>New Journal of Chemistry</i> , 2017, 41, 8107-8117.	1.4	58
64	Two Series of Lanthanide Coordination Polymers with 2-Methylenesuccinate: Magnetic Refrigerant, Slow Magnetic Relaxation, and Luminescence Properties. <i>Crystal Growth and Design</i> , 2016, 16, 4574-4581.	1.4	57
65	Zero-strain High-capacity Silicon/Carbon Anode Enabled by a MOF-derived Space-confined Single-Atom Catalytic Strategy for Lithium-ion Batteries. <i>Advanced Materials</i> , 2022, 34, e2200894.	11.1	57
66	Silicon Nanowires/Reduced Graphene Oxide Composites for Enhanced Photoelectrochemical Properties. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 1961-1966.	4.0	56
67	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.	5.2	56
68	The characteristic IR spectra of heterothiometallic cluster compounds. <i>Coordination Chemistry Reviews</i> , 2001, 213, 51-77.	9.5	55
69	Mercury(II)-stimulated oxidase mimetic activity of silver nanoparticles as a sensitive and selective mercury(II) sensor. <i>RSC Advances</i> , 2014, 4, 5867.	1.7	55
70	Flexible Magnetic Nanoparticles-Reduced Graphene Oxide Composite Membranes Formed by Self-Assembly in Solution. <i>ChemPhysChem</i> , 2010, 11, 2432-2437.	1.0	53
71	Dodecanuclear-Ellipse and Decanuclear-Wheel Nickel(II) Thiolato Clusters with Efficient Femtosecond Nonlinear Absorption. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4209-4212.	7.2	53
72	Modulation of Volmer step for efficient alkaline water splitting implemented by titanium oxide promoting surface reconstruction of cobalt carbonate hydroxide. <i>Nano Energy</i> , 2021, 82, 105732.	8.2	53

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73	Superior peroxidase mimetic activity of carbon dots@Pt nanocomposites relies on synergistic effects. <i>New Journal of Chemistry</i> , 2015, 39, 4141-4146.	1.4	52
74	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.	2.7	51
75	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.	1.4	50
76	Rapid Sonochemical Synthesis of Luminescent and Paramagnetic Copper Nanoclusters for Bimodal Bioimaging. <i>ChemNanoMat</i> , 2015, 1, 27-31.	1.5	50
77	Strong SHG Responses in a Beryllium-Free Deep-UV-Transparent Hydroxyborate via Covalent Bond Modification. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 27151-27157.	7.2	50
78	The First Assembly of a Nest-Shaped Heterothiometallic Cluster and a Polyoxometalate Anion ³⁻ Synthesis, Characterization, and Strong Third-Order Nonlinear Optical Response. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 55-64.	1.0	49
79	Facile Synthesis and Enhanced Nonlinear Optical Properties of Porphyrin-Functionalized Multi-Walled Carbon Nanotubes. <i>Chemistry - A European Journal</i> , 2013, 19, 14159-14170.	1.7	49
80	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.	1.2	49
81	Graphene Porous Foam Loaded with Molybdenum Carbide Nanoparticulate Electrocatalyst for Effective Hydrogen Generation. <i>ChemSusChem</i> , 2016, 9, 855-862.	3.6	49
82	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.	1.9	49
83	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.	1.9	48
84	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.	5.2	48
85	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.	6.7	47
86	Nickel(II) Thiolate Complexes with a Flexible cyclo-[Ni ₁₀ S ₂₀] Framework. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3768-3772.	7.2	47
87	Distribution and source of heavy metals in the sediments of the coastal East China sea: Geochemical controls and typhoon impact. <i>Environmental Pollution</i> , 2020, 260, 113936.	3.7	47
88	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.		46
89	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	46
90	On-surface formation of two-dimensional polymer via direct C-H activation of metal phthalocyanine. <i>Chemical Communications</i> , 2015, 51, 2836-2839.	2.2	46

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91	A Self-Supported Porous Hierarchical Core-Shell Nanostructure of Cobalt Oxide for Efficient Oxygen Evolution Reaction. <i>ACS Catalysis</i> , 2017, 7, 8205-8213.	5.5	46
92	AGa ₃ F ₆ (SeO ₃) ₂ (A = Rb, Cs): A New Type of Phase-Matchable Hexagonal Tungsten Oxide Material with Strong Second-Harmonic Generation Responses. <i>Chemistry of Materials</i> , 2020, 32, 6906-6915.	3.2	46
93	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.	1.6	46
94	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, 34-39.	2.6	45
95	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.	3.2	45
96	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.	1.2	45
97	Acoustic topological insulator by honeycomb sonic crystals with direct and indirect band gaps. <i>New Journal of Physics</i> , 2018, 20, 093027.	1.2	45
98	Facile Syntheses of Ba ₂ [B ₄ O ₇ (OH) ₂] and Na[B ₅ O ₇ (OH) ₂](H ₂ O) Borate Salts Exhibiting Nonlinear Optical Activity in the Ultraviolet. <i>Inorganic Chemistry</i> , 2017, 56, 1340-1348.	1.9	43
99	Tungsten Sulfide Enhancing Solar-Driven Hydrogen Production from Silicon Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 10408-10414.	4.0	42
100	Fluorescent sensing for amines with a low detection limit based on conjugated porous polymers. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16463-16469.	2.7	42
101	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.	1.7	41
102	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, 7914-7926.	1.7	41
103	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, 11795-11800.	6.6	41
104	Blue-shifted emission and enhanced quantum efficiency via π -bridge elongation in carbazole-carborane dyads. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 15719-15726.	1.3	41
105	Enhancement of Second-Order Optical Nonlinearity in a Lutetium Selenite by Monodentate Anion Partial Substitution. <i>Chemistry of Materials</i> , 2020, 32, 3043-3053.	3.2	40
106	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.	1.4	39
107	Synthesis of unsymmetrical phthalocyanines: a brief overview. <i>Tetrahedron</i> , 2012, 68, 2433-2451.	1.0	39
108	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.	2.2	39

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109	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.	4.0	39
110	Atomic-Scale Investigation on the Facilitation and Inhibition of Guanine Tautomerization at Au(111) Surface. <i>ACS Nano</i> , 2014, 8, 1804-1808.	7.3	38
111	Silicon nanowires loaded with iron phosphide for effective solar-driven hydrogen production. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17669-17675.	5.2	38
112	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.	2.5	38
113	A 1,3-dipolar cycloaddition protocol to porphyrin-functionalized reduced graphene oxide with a push-pull motif. <i>Nano Research</i> , 2015, 8, 870-886.	5.8	38
114	A Lanthanum Ammonium Sulfate Double Salt with a Strong SHG Response and Wide Deep-UV Transparency. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	38
115	Study on a series of pentanuclear planar μ_5 -open clusters: synthesis, characterization, strong third-order optical nonlinearities and superior optical limiting properties. <i>Journal of Materials Chemistry</i> , 2002, 12, 239-248.	6.7	37
116	Decanuclear Cluster-Based Metal-Organic Framework with a (3,11)-Connected Topology and Highly Sensitive 2,4,6-Trinitrophenol Detection. <i>Inorganic Chemistry</i> , 2019, 58, 9749-9755.	1.9	37
117	A Congruent Melting Mid-Infrared Nonlinear Optical Vanadate Exhibiting Strong Second-Harmonic Generation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22447-22453.	7.2	37
118	Mild Solvothermal Syntheses and Characterization of Layered Copper Thioantimonates(III) and Thioarsenate(III). <i>Inorganic Chemistry</i> , 2014, 53, 4856-4860.	1.9	36
119	Promoting electrocatalytic activity of cobalt cyclotetraphosphate in full water splitting by titanium-oxide-accelerated surface reconstruction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12457-12467.	5.2	36
120	Formation of a G-Quartet-Fe Complex and Modulation of Electronic and Magnetic Properties of the Fe Center. <i>ACS Nano</i> , 2014, 8, 11799-11805.	7.3	35
121	Three-dimensional tetsubo-like Co(OH) ₂ nanorods on a macroporous electrically conductive network as an efficient electroactive framework for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2629-2639.	5.2	34
122	TiO ₂ -multi-walled carbon nanotube nanocomposites: hydrothermal synthesis and temporally-dependent optical properties. <i>RSC Advances</i> , 2016, 6, 20120-20127.	1.7	32
123	Complete suppression of the fluorophore fluorescence by combined effect of multiple fluorescence quenching groups: A fluorescent sensor for Cu ²⁺ with zero background signals. <i>Analytica Chimica Acta</i> , 2016, 908, 1-7.	2.6	32
124	Switching the Nonlinear Optical Absorption of Titanium Carbide MXene by Modulation of the Surface Terminations. <i>ACS Nano</i> , 2022, 16, 394-404.	7.3	32
125	Facile Syntheses and Tunable Nonlinear Optical Properties of Heterothiometallic Clusters with [M ₄ Ag ₂] ⁿ⁺ Units (M=Mo, W). <i>Chemistry - A European Journal</i> , 2010, 16, 13946-13950.	1.7	31
126	Efficient and Stable MoS ₂ /CdSe/NiO Photocathode for Photoelectrochemical Hydrogen Generation from Water. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1660-1667.	1.7	31

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127	Gold nanoparticle-enhanced near infrared fluorescent nanocomposites for targeted bio-imaging. RSC Advances, 2015, 5, 20-26.	1.7	31
128	Multi-walled carbon nanotubes covalently functionalized by axially coordinated metal-porphyrins: Facile syntheses and temporally dependent optical performance. Nano Research, 2016, 9, 458-472.	5.8	31
129	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.	2.7	31
130	Nanocomposite of MoO ₂ and MoC loaded on porous carbon as an efficient electrocatalyst for hydrogen evolution reaction. Inorganic Chemistry Frontiers, 2018, 5, 446-453.	3.0	31
131	A new approach to superior optical limiting materials—planar π -conjugated heterothiometallic clusters. Chemical Communications, 2001, , 843-844.	2.2	30
132	g-C ₃ N ₄ /SiO ₂ @HNb ₃ O ₈ composites with enhanced photocatalytic activities for rhodamine B degradation under visible light. Journal of Molecular Catalysis A, 2011, 345, 90-95.	4.8	30
133	Cooperative enhancement of optical nonlinearities in a porphyrin derivative bearing a pyrimidine chromophore at the periphery. Organic and Biomolecular Chemistry, 2013, 11, 4250.	1.5	30
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