

Guo-Cong Guo

List of Publications by Year in descending order

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papers

11,923
citations

22099

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212
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212
times ranked

6797
citing authors

#	ARTICLE	IF	CITATIONS
1	A Direct White-Light-Emitting Metal-Organic Framework with Tunable Yellow-to-White Photoluminescence by Variation of Excitation Light. <i>Journal of the American Chemical Society</i> , 2009, 131, 13572-13573.	6.6	454
2	Inorganic-organic hybrid photochromic materials. <i>Chemical Communications</i> , 2010, 46, 361-376.	2.2	403
3	Recent achievements on middle and far-infrared second-order nonlinear optical materials. <i>Coordination Chemistry Reviews</i> , 2017, 335, 44-57.	9.5	344
4	Photochromism of a Methyl Viologen Bismuth(III) Chloride: Structural Variation Before and After UV Irradiation. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3249-3251.	7.2	331
5	Two phases of Ga ₂ S ₃ : promising infrared second-order nonlinear optical materials with very high laser induced damage thresholds. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4754.	2.7	243
6	Photoswitching CO ₂ Capture and Release in a Photochromic Diarylethene Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9298-9301.	7.2	238
7	Design Strategy for Improving Optical and Electrical Properties and Stability of Lead-Halide Semiconductors. <i>Journal of the American Chemical Society</i> , 2018, 140, 2805-2811.	6.6	210
8	High-Performance and Long-Lived Cu/SiO ₂ Nanocatalyst for CO ₂ Hydrogenation. <i>ACS Catalysis</i> , 2015, 5, 4255-4259.	5.5	200
9	Wavelength-Dependent Photochromic Inorganic-Organic Hybrid Based on a 3D Iodoplumbate Open Framework Material. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4149-4152.	7.2	191
10	Second-order nonlinear optical crystals with mixed anions. <i>Coordination Chemistry Reviews</i> , 2018, 374, 464-496.	9.5	190
11	A Methylthio-Functionalized MOF Photocatalyst with High Performance for Visible-Light-Driven H ₂ Evolution. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9864-9869.	7.2	188
12	Improved Photochromic Properties on Viologen-Based Inorganic-Organic Hybrids by Using π -Conjugated Substituents as Electron Donors and Stabilizers. <i>Inorganic Chemistry</i> , 2013, 52, 1199-1205.	1.9	183
13	[ABa ₂ Cl][Ga ₄ S ₈] (A = Rb, Cs): Wide-Spectrum Nonlinear Optical Materials Obtained by Polycation-Substitution-Induced Nonlinear Optical (NLO)-Functional Motif Ordering. <i>Journal of the American Chemical Society</i> , 2020, 142, 10641-10645.	6.6	180
14	Semiconductive 3-D haloplumbate framework hybrids with high color rendering index white-light emission. <i>Chemical Science</i> , 2015, 6, 7222-7226.	3.7	172
15	A White-Light-Emitting Borate-Based Inorganic-Organic Hybrid Open Framework. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3909-3911.	7.2	171
16	A Room-Temperature X-ray-Induced Photochromic Material for X-ray Detection. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3432-3435.	7.2	170
17	[A ₃ X][Ga ₃ PS ₈] (A = K, Rb; X = Cl, Br): promising IR non-linear optical materials exhibiting concurrently strong second-harmonic generation and high laser induced damage thresholds. <i>Chemical Science</i> , 2016, 7, 6273-6277.	3.7	167
18	Electron-Transfer Photochromism To Switch Bulk Second-Order Nonlinear Optical Properties with High Contrast. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11529-11531.	7.2	157

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19	Significant Enhancement of C ₂ H ₂ /C ₂ H ₄ Separation by a Photochromic Diarylethene Unit: A Temperature- and Light-Responsive Separation Switch. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7900-7906.	7.2	145
20	Large Second Harmonic Generation (SHG) Effect and High Laser-Induced Damage Threshold (LIDT) Observed Coexisting in Gallium Selenide. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8087-8091.	7.2	145
21	Photochromic Hybrid Containing <i>In Situ</i> -Generated Benzyl Viologen and Novel Trinuclear [Bi ₃ Cl ₁₄] ⁵⁺ : Improved Photoresponsive Behavior by the π - π Interactions and Size Effect of Inorganic Oligomer. <i>Inorganic Chemistry</i> , 2014, 53, 5538-5545.	1.9	139
22	High-Performance and Long-Lived Pd Nanocatalyst Directed by Shape Effect for CO Oxidative Coupling to Dimethyl Oxalate. <i>ACS Catalysis</i> , 2013, 3, 118-122.	5.5	138
23	Photochromism and Photomagnetism of a 3d ⁴ f Hexacyanoferrate at Room Temperature. <i>Journal of the American Chemical Society</i> , 2015, 137, 10882-10885.	6.6	135
24	Conductance Switch of a Bromoplumbate Bistable Semiconductor by Electron Transfer Thermochromism. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 554-558.	7.2	131
25	Review on the synthesis of dimethyl carbonate. <i>Catalysis Today</i> , 2018, 316, 2-12.	2.2	124
26	Photochromism of a 3D Cd ^{II} Complex with Two Captured Ligand Isomers Generated <i>In Situ</i> from the Same Precursor. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3565-3567.	7.2	121
27	Screw-like PdPt nanowires as highly efficient electrocatalysts for methanol and ethylene glycol oxidation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2327-2336.	5.2	117
28	Li[LiCs ₂ Cl][Ga ₃ S ₆]: A Nanoporous Framework of GaS ₄ Tetrahedra with Excellent Nonlinear Optical Performance. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4856-4859.	7.2	117
29	Photochromic Metal Complexes of <i>N</i> -Methyl-4,4'-Bipyridinium: Mechanism and Influence of Halogen Atoms. <i>Inorganic Chemistry</i> , 2012, 51, 4015-4019.	1.9	116
30	Rare electron-transfer photochromic and thermochromic difunctional compounds. <i>Journal of Materials Chemistry C</i> , 2015, 3, 253-256.	2.7	115
31	Inorganic Supramolecular Compounds with 3-D Chiral Frameworks Show Potential as Both Mid-IR Second-Order Nonlinear Optical and Piezoelectric Materials. <i>Journal of the American Chemical Society</i> , 2011, 133, 3410-3418.	6.6	114
32	A Series of New Infrared NLO Semiconductors, ZnY ₆ Si ₂ S ₁₄ , Al _x Dy ₃ (Si _y Al _{1-y})S ₇ , and Al _{0.33} Sm ₃ Si ₇ . <i>Inorganic Chemistry</i> , 2009, 48, 7059-7065.	1.9	110
33	An inorganic-organic hybrid photochromic material with fast response to hard and soft X-rays at room temperature. <i>Chemical Communications</i> , 2018, 54, 4525-4528.	2.2	108
34	Second-order nonlinear optical switching with a record-high contrast for a photochromic and thermochromic bistable crystal. <i>Chemical Science</i> , 2017, 8, 7751-7757.	3.7	104
35	New strategy for designing promising mid-infrared nonlinear optical materials: narrowing the band gap for large nonlinear optical efficiencies and reducing the thermal effect for a high laser-induced damage threshold. <i>Chemical Science</i> , 2018, 9, 5700-5708.	3.7	104
36	A Fully Encapsulated Acetylenediide in Ag ₂ C ₂ ...8 AgF. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 630-632.	7.2	101

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37	Semiconductive Nanotube Array Constructed from Giant [Pb ^{II} ₁₈ I ₅₄ (I ₂) ₉] Wheel Clusters. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 514-518.	7.2	98
38	Inorganic-organic hybrid white light phosphors. <i>Chemical Communications</i> , 2016, 52, 13194-13204.	2.2	97
39	Novel 3-D PtS-like Tetrazolate-Bridged Manganese(II) Complex Exhibiting Spin-Canted Antiferromagnetism and Field-Induced Spin-Flop Transition. <i>Inorganic Chemistry</i> , 2008, 47, 8935-8942.	1.9	95
40	Coordination Polymerization of Metal Azides and Powerful Nitrogen-Rich Ligand toward Primary Explosives with Excellent Energetic Performances. <i>Chemistry of Materials</i> , 2017, 29, 9725-9733.	3.2	92
41	Gold catalyzed hydrogenations of small imines and nitriles: enhanced reactivity of Au surface toward H ₂ via collaboration with a Lewis base. <i>Chemical Science</i> , 2014, 5, 1082-1090.	3.7	91
42	High proton conduction in an excellent water-stable gadolinium metal-organic framework. <i>Chemical Communications</i> , 2019, 55, 1241-1244.	2.2	88
43	Directed self-assembly of viologen-based 2D semiconductors with intrinsic UV-SWIR photoresponse after photo/thermo activation. <i>Nature Communications</i> , 2020, 11, 1179.	5.8	88
44	Ambient-pressure synthesis of ethylene glycol catalyzed by C ₆₀ -buffered Cu/SiO ₂ . <i>Science</i> , 2022, 376, 288-292.	6.0	88
45	Design and Syntheses of Electron-Transfer Photochromic Metal-Organic Complexes Using Nonphotochromic Ligands: A Model Compound and the Roles of Its Ligands. <i>Inorganic Chemistry</i> , 2014, 53, 847-851.	1.9	84
46	Enhanced Stability of Pd/ZnO Catalyst for CO Oxidative Coupling to Dimethyl Oxalate: Effect of Mg ²⁺ Doping. <i>ACS Catalysis</i> , 2015, 5, 4410-4417.	5.5	84
47	Superpolyhedron-Built Second Harmonic Generation Materials Exhibit Large Mid-Infrared Conversion Efficiencies and High Laser-Induced Damage Thresholds. <i>Chemistry of Materials</i> , 2017, 29, 1796-1804.	3.2	84
48	Controlled Photoinduced Generation of Partially and Fully Charge Separated States in Viologen Analogues. <i>Journal of the American Chemical Society</i> , 2021, 143, 2232-2238.	6.6	83
49	A New Type of Hybrid Magnetic Semiconductor Based upon Polymeric Iodoplumbate and Metal-Organic Complexes as Templates. <i>Inorganic Chemistry</i> , 2006, 45, 1972-1977.	1.9	81
50	A facile approach to hexanary chalcogenoborate featuring a 3-D chiral honeycomb-like open-framework constructed from rare-earth consolidating thiogallate-closo-dodecaborate. <i>Chemical Communications</i> , 2009, , 4366.	2.2	81
51	Syntheses, Structures, and Nonlinear-Optical Properties of Metal Sulfides Ba ₂ Ga ₈ MS ₁₆ (M = Si, Ge). <i>Inorganic Chemistry</i> , 2015, 54, 976-981.	1.9	80
52	Highly Anisotropic and Water Molecule-Dependent Proton Conductivity in a 2D Homochiral Copper(II) Metal-Organic Framework. <i>Chemistry of Materials</i> , 2017, 29, 2321-2331.	3.2	77
53	Oxychalcogenide BaGeOSe ₂ : Highly Distorted Mixed-Anion Building Units Leading to a Large Second-Harmonic Generation Response. <i>Chemistry of Materials</i> , 2015, 27, 8189-8192.	3.2	74
54	Homochiral Zinc(II) Coordination Compounds Based on In-Situ-Generated Chiral Amino Acid-Tetrazole Ligands: Circular Dichroism, Excitation Light-Induced Tunable Photoluminescence, and Energetic Performance. <i>Inorganic Chemistry</i> , 2013, 52, 10096-10104.	1.9	70

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55	The Large Secondâ€Harmonic Generation of LiCs_2PO_4 is caused by the Metalâ€Cationâ€Centered Groups. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3933-3937.	7.2	70
56	Novel Cyanide Coordination Models in Layer-Type Hydrated Double Salts of AgCN and AgF . <i>Angewandte Chemie - International Edition</i> , 1998, 37, 3183-3186.	7.2	68
57	Ln_3GaS_6 (Ln = Dy, Y): new infrared nonlinear optical materials with high laser induced damage thresholds. <i>Dalton Transactions</i> , 2013, 42, 14223.	1.6	63
58	A Smart Photochromic Semiconductor: Breaking the Intrinsic Positive Relation Between Conductance and Temperature. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9475-9478.	7.2	58
59	Photoinduced Electronâ€Transfer (PIET) Strategy for Selective Adsorption of CO_2 over C_2H_2 in a MOF. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18223-18230.	7.2	56
60	Single-component small-molecule white light organic phosphors. <i>Chemical Communications</i> , 2017, 53, 9269-9272.	2.2	55
61	An ultra-low Pd loading nanocatalyst with high activity and stability for CO oxidative coupling to dimethyl oxalate. <i>Chemical Communications</i> , 2013, 49, 5718.	2.2	54
62	Energy-dependent photochromism at room temperature for visually detecting and distinguishing X-rays. <i>Chemical Communications</i> , 2018, 54, 12349-12352.	2.2	54
63	Material research from the viewpoint of functional motifs. <i>National Science Review</i> , 2022, 9, .	4.6	54
64	Lewis acid sites in MOFs supports promoting the catalytic activity and selectivity for CO esterification to dimethyl carbonate. <i>Catalysis Science and Technology</i> , 2020, 10, 1699-1707.	2.1	53
65	MgO : an excellent catalyst support for CO oxidative coupling to dimethyl oxalate. <i>Catalysis Science and Technology</i> , 2014, 4, 1925-1930.	2.1	52
66	SrCdSnQ_4 (Q = S and Se): infrared nonlinear optical chalcogenides with mixed NLO-active and synergetic distorted motifs. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4459-4465.	2.7	52
67	Crystal structures and optical properties of iodoplumbates hybrids templated by in situ synthesized 1,4-diazabicyclo[2.2.2]octane derivatives. <i>CrystEngComm</i> , 2013, 15, 10399.	1.3	50
68	Influence of Supramolecular Interactions on Electron-Transfer Photochromism of the Crystalline Adducts of 4,4â€-Bipyridine and Carboxylic Acids. <i>Crystal Growth and Design</i> , 2014, 14, 2527-2531.	1.4	50
69	Syntheses, Structures, and Nonlinear Optical Properties of Two Sulfides $\text{Na}_2\text{In}_2\text{MS}_6$ (M = Si, Ge). <i>Inorganic Chemistry</i> , 2016, 55, 1480-1485.	1.9	50
70	Large Crystal Growth and New Crystal Exploration of Mid-Infrared Second-Order Nonlinear Optical Materials. <i>Structure and Bonding</i> , 2012, , 1-43.	1.0	49
71	Tetrazoleâ€Viologen-based Flexible Microporous Metalâ€Organic Framework with High CO_2 Selective Uptake. <i>Inorganic Chemistry</i> , 2016, 55, 7335-7340.	1.9	48
72	Substitution of Nitrogen-Rich Linkers with Insensitive Linkers in Azide-Based Energetic Coordination Polymers toward Safe Energetic Materials. <i>Crystal Growth and Design</i> , 2019, 19, 3934-3944.	1.4	48

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73	Zinc(II) and Cadmium(II) Coordination Polymers Based on 3-(5-Hydroxy-1-tetrazolyl)benzoate Ligand with Different Coordination Modes: Hydrothermal Syntheses, Crystal Structures and Ligand-Centered Luminescence. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4982-4991.	1.0	47
74	Large Second-Harmonic Generation Responses Achieved by the Dimeric $[\text{Ge}_2\text{Se}_4(\frac{1}{4}\text{-Se}_2)]^{4+}$ Functional Motif in Polar Polyselenides $\text{A}_3\text{Ge}_4\text{Se}_{12}$ (A = Rb, Cs). <i>Chemistry of Materials</i> , 2017, 29, 9200-9207.	3.2	47
75	Stabilizing and color tuning pyrazine radicals by coordination for photochromism. <i>Chemical Communications</i> , 2016, 52, 7947-7949.	2.2	45
76	Efficient X-ray scintillating lead(II)-based MOFs derived from rigid luminescent naphthalene motifs. <i>Dalton Transactions</i> , 2019, 48, 1722-1731.	1.6	45
77	Significant enhancement of conductance of a hybrid layered molybdate semiconductor by light or heat. <i>Chemical Communications</i> , 2018, 54, 14077-14080.	2.2	43
78	Computational Evidence for Lewis Base-Promoted CO_2 Hydrogenation to Formic Acid on Gold Surfaces. <i>ACS Catalysis</i> , 2017, 7, 4519-4526.	5.5	42
79	Phase Matching Achieved by Bandgap Widening in Infrared Nonlinear Optical Materials $[\text{ABa}_3\text{Cl}_2][\text{Ga}_5\text{S}_{10}]$ (A = K, Rb, and Cs). <i>CCS Chemistry</i> , 2021, 3, 964-973.	4.6	42
80	$\frac{1}{4}$ -1,1,1,3,3,3 Azide Anion inside a Trigonal Prism of Silver Centers. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 3268-3270.	7.2	40
81	Strong Infrared Nonlinear Optical Efficiency and High Laser Damage Threshold Realized in Quaternary Alkali Metal Sulfides $\text{Na}_2\text{Ga}_2\text{MS}_6$ (M = Ge, Sn) Containing Mixed Nonlinear Optically Active Motifs. <i>Inorganic Chemistry</i> , 2018, 57, 6783-6786.	1.9	40
82	An Azole-Based Metal-Organic Framework toward Direct White-Light Emissions by the Synergism of Ligand-Centered Charge Transfer and Interligand π - π Interactions. <i>Crystal Growth and Design</i> , 2016, 16, 3969-3975.	1.4	39
83	Synthesis, crystal structure and second-order nonlinear optical property of a novel pentanary selenide $(\text{K}_3\text{I})[\text{InB}_{12}(\text{InSe}_4)_3]$. <i>Dalton Transactions</i> , 2016, 45, 10459-10465.	1.6	39
84	Phase Transition and Second Harmonic Generation in Thiophosphates $\text{Ag}_2\text{Cd}(\text{P}_2\text{S}_6)$ and $\text{AgCd}_3(\text{PS}_4)_2\text{S}_2$ Containing Two Second-Order Jahn-Teller Distorted Cations. <i>Inorganic Chemistry</i> , 2017, 56, 114-124.	1.9	39
85	Hydrothermal syntheses, crystal structures and physical properties of a new family of energetic coordination polymers with nitrogen-rich ligand N-[2-(1H-tetrazol-5-yl)ethyl]glycine. <i>CrystEngComm</i> , 2013, 15, 2616.	1.3	38
86	Large Second Harmonic Generation (SHG) Effect and High Laser-Induced Damage Threshold (LIDT) Observed Coexisting in Gallium Selenide. <i>Angewandte Chemie</i> , 2019, 131, 8171-8175.	1.6	37
87	Synthesis of High-Performance and High-Stability Pd(II)/NaY Catalyst for CO Direct Selective Conversion to Dimethyl Carbonate by Rational Design. <i>ACS Catalysis</i> , 2019, 9, 3595-3603.	5.5	37
88	Modulating Fading Time of Photochromic Compounds by Molecular Design for Erasable Inkless Printing and Anti-counterfeiting. <i>Crystal Growth and Design</i> , 2021, 21, 1323-1328.	1.4	37
89	A new photochromic Gd-MOF with photoswitchable bluish-white to greenish-yellow emission based on electron transfer. <i>Chemical Communications</i> , 2020, 56, 14689-14692.	2.2	36
90	Energetic azide-based coordination polymers: Sensitivity tuning through diverse structural motifs. <i>Chemical Engineering Journal</i> , 2020, 390, 124587.	6.6	36

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91	Oxygen vacancies enriched Bi based catalysts for enhancing electrocatalytic CO ₂ reduction to formate. <i>Electrochimica Acta</i> , 2021, 367, 137478.	2.6	36
92	Sensitive X-ray detection and imaging by a scintillating Lead(II)-based Metal-Organic framework. <i>Chemical Engineering Journal</i> , 2022, 430, 133010.	6.6	36
93	Reversible Single-Crystal-to-Single-Crystal Transformation and Magnetic Change of Nonporous Copper(II) Complexes by the Chemisorption/Desorption of HCl and H ₂ O. <i>Inorganic Chemistry</i> , 2017, 56, 1036-1040.	1.9	35
94	Li[LiCs ₂ Cl][Ga ₃ S ₆]: A Nanoporous Framework of GaS ₄ Tetrahedra with Excellent Nonlinear Optical Performance. <i>Angewandte Chemie</i> , 2020, 132, 4886-4889.	1.6	35
95	Structure refinement and Raman spectrum of silver azide. <i>Journal of Chemical Crystallography</i> , 1999, 29, 561-564.	0.5	34
96	One-step electrochemical synthesis of preferentially oriented (111) Pd nanocrystals supported on graphene nanoplatelets for formic acid electrooxidation. <i>Journal of Power Sources</i> , 2015, 282, 471-478.	4.0	33
97	Grinding size-dependent mechanoresponsive luminescent Cd(II) coordination polymer. <i>Dalton Transactions</i> , 2016, 45, 18074-18078.	1.6	31
98	A novel inorganic-organic hybrid for detection of nitrite anions with extremely high sensitivity and selectivity. <i>Journal of Materials Chemistry</i> , 2012, 22, 16742.	6.7	30
99	Two New Coordination Compounds with a Photoactive Pyridinium-Based Inner Salt: Influence of Coordination on Photochromism. <i>Crystal Growth and Design</i> , 2016, 16, 3709-3715.	1.4	30
100	An electron-transfer photochromic metal-organic framework (MOF) compound with a long-lived charge-separated state and high-contrast photoswitchable luminescence. <i>RSC Advances</i> , 2016, 6, 24190-24194.	1.7	30
101	BaMnSnS ₄ and BaCdGeS ₄ : infrared nonlinear optical sulfides containing highly distorted motifs with centers of moderate electronegativity. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2365-2368.	3.0	30
102	2,4,6-Tris(4-pyridyl)-1,3,5-triazine: Photoinduced Charge Separation and Photochromism in the Crystalline State. <i>Chemistry - A European Journal</i> , 2019, 25, 13972-13976.	1.7	30
103	Heat-resistant Pb(II)-based X-ray scintillating metal-organic frameworks for sensitive dosage detection via an aggregation-induced luminescent chromophore. <i>Dalton Transactions</i> , 2020, 49, 7309-7314.	1.6	30
104	A new sensitive structural motif inlaying the azides and tetrazole-based rigid 3D energetic MOFs: Highly sensitive primary explosives with excellent thermal stability. <i>Chemical Engineering Journal</i> , 2022, 429, 132451.	6.6	30
105	Active Pd(II) complexes: enhancing catalytic activity by ligand effect for carbonylation of methyl nitrite to dimethyl carbonate. <i>Catalysis Science and Technology</i> , 2017, 7, 3785-3790.	2.1	29
106	Strong SHG Response via High Orientation of Tetrahedral Functional Motifs in Polyselenide A ₂ Ge ₄ Se ₁₀ (A = Rb, Cs). <i>Advanced Optical Materials</i> , 2018, 6, 1800156.	3.6	29
107	CO direct esterification to dimethyl oxalate and dimethyl carbonate: the key functional motifs for catalytic selectivity. <i>Nanoscale</i> , 2020, 12, 20131-20140.	2.8	29
108	Photochromic Semiconductive Hydrogen-Bonded Organic Framework (HOF) with Broadband Absorption. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 11619-11625.	4.0	29

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109	CeO _{2-x} quantum dots with massive oxygen vacancies as efficient catalysts for the synthesis of dimethyl carbonate. <i>Chemical Communications</i> , 2020, 56, 403-406.	2.2	28
110	<i>N</i> -Methyl-4-pyridinium Tetrazolate Zwitterion-Based Photochromic Materials. <i>Chemistry - A European Journal</i> , 2017, 23, 7414-7417.	1.7	27
111	Significant enhancement of cathode-ray scintillation for a conductive Bi-SMOF via in situ partial rare earth ion replacement. <i>Journal of Materials Chemistry C</i> , 2019, 7, 11099-11103.	2.7	27
112	Tetraalkylammonium cations as templates in the construction of two cadmium(II) metal-organic frameworks. <i>CrystEngComm</i> , 2013, 15, 903-910.	1.3	26
113	Uncovering a Functional Motif of Nonlinear Optical Materials by In Situ Electron Density and Wavefunction Studies Under Laser Irradiation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11799-11803.	7.2	26
114	Photoresponsive triazole-based donor-acceptor molecules: color change and heat/air-stable diradicals. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3100-3104.	2.7	25
115	Strong nonlinear optical effect attained by atom-response-theory aided design in the Na ₂ M ^{II} MIV ₂ Q ₆ (M ^{II} = Zn, Cd; M ^{IV} = Ge, Sn; Tj ETQq1 1 0.284314	1.0	25
116	AMnAs ₃ S ₆ (A = Cs, Rb): Phase-Matchable Infrared Nonlinear Optical Functional Motif [As ₃ S ₆] ³⁻ Obtained via Surfactant-Assisted Thermal Method. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 53950-53956.	4.0	25
117	Viologen-based photochromic coordination compounds for inkless and erasable prints. <i>Dyes and Pigments</i> , 2021, 185, 108888.	2.0	25
118	(PdCu ₂) ³⁺ -Al ₂ O ₃ : a high-performance catalyst for carbonylation of methyl nitrite to dimethyl carbonate. <i>Catalysis Science and Technology</i> , 2015, 5, 3333-3339.	2.1	24
119	A Methylthio-Functionalized MOF Photocatalyst with High Performance for Visible-Light-Driven H ₂ Evolution. <i>Angewandte Chemie</i> , 2018, 130, 10012-10017.	1.6	24
120	Broadband Photoresponsive Bismuth Halide Hybrid Semiconductors Built with π -Stacked Photoactive Polycyclic Viologen. <i>Inorganic Chemistry</i> , 2021, 60, 5538-5544.	1.9	24
121	Crystal structures and visible-light excited photoluminescence of N-methyl-4,4'-bipyridinium chloride and its Zn(II) and Cd(II) complexes. <i>Inorganic Chemistry Communication</i> , 2010, 13, 1021-1024.	1.8	23
122	Diplex single-crystal-to-single-crystal transformation by different inducement. <i>CrystEngComm</i> , 2013, 15, 2579.	1.3	23
123	Constructing semiconductive crystalline microporous materials by Coulomb interactions. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18409-18413.	5.2	23
124	AS ₅ S ₈ (A = K, Rb, and Cs): Thermal Switching of Infrared Nonlinear Optical Properties across the Crystal/Glass Transformation. <i>Chemistry of Materials</i> , 2021, 33, 3729-3735.	3.2	23
125	Superior Infrared Nonlinear Optical Performance Achieved by Synergetic Functional Motif and Vacancy Site Modulations. <i>Chemistry of Materials</i> , 2021, 33, 8831-8837.	3.2	23
126	Optimizing the Nonlinear Optical Performance of an A-N-M-Q (A: Alkali Metal; N: <i>d</i> ¹⁰) Tj ETQq0 0 0 rgBT /Overlock 1 4352-4359.	4.0	23

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127	Significant Enhancement of C ₂ H ₂ /C ₂ H ₄ Separation by a Photochromic Diarylethene Unit: A Temperature- and Light-Responsive Separation Switch. <i>Angewandte Chemie</i> , 2017, 129, 8008-8014.	1.6	22
128	Covalently Bonded Pillared Layered Bromoplumbate with High Thermal Stability: High Capacitance Gain after Photoinduced Electron Transfer. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30713-30718.	4.0	22
129	Semiconducting crystalline inorganic-organic hybrid metal halide nanochains. <i>Nanoscale</i> , 2020, 12, 4771-4789.	2.8	22
130	Boosting Interfacial Electron Transfer between Pd and ZnTi-LDH via Defect Induction for Enhanced Metal-Support Interaction in CO Direct Esterification Reaction. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 24856-24864.	4.0	22
131	Balanced infrared nonlinear optical performance achieved by modulating the covalency and ionicity distributions in the electron localization function map. <i>Materials Horizons</i> , 2021, 8, 3394-3398.	6.4	22
132	Insight into composition evolution in the synthesis of high-performance Cu/SiO ₂ catalysts for CO ₂ hydrogenation. <i>RSC Advances</i> , 2016, 6, 25185-25190.	1.7	21
133	Thiophosphates Containing Ag ⁺ and Lone-Pair Cations with Interchiral Double Helix Show Both Ionic Conductivity and Phase Transition. <i>Inorganic Chemistry</i> , 2017, 56, 962-973.	1.9	21
134	Broad transparency and wide band gap achieved in a magnetic infrared nonlinear optical chalcogenide by suppressing d-d transitions. <i>Materials Horizons</i> , 2022, 9, 1513-1517.	6.4	21
135	Fluorescence and photochromic properties of a series of new Zn(<i>scpi</i>)/Cd(<i>scpi</i>) coordination compounds with a flexible semi-rigid tetrazole-viologen derivative. <i>CrystEngComm</i> , 2016, 18, 2524-2531.	1.3	20
136	Nitrogen-Rich Tetranuclear Metal Complex as a New Structural Motif for Energetic Materials. <i>ACS Omega</i> , 2017, 2, 346-352.	1.6	20
137	Photoinduced magnetic phase transition and remarkable enhancement of magnetization for a photochromic single-molecule magnet. <i>Journal of Materials Chemistry C</i> , 2021, 9, 2231-2235.	2.7	20
138	Reusable radiochromic semiconductive MOF for dual-mode X-ray detection using color change and electric signal. <i>Chemical Engineering Journal</i> , 2022, 437, 135468.	6.6	20
139	Solvothermal Synthesis of a New Mixed-Metal Polysulfide Cluster, [Me ₄ N] ₃ [MoS ₄ Cu ₃ (S ₅) ₂]. <i>Inorganic Chemistry</i> , 1997, 36, 2475-2477.	1.9	18
140	The Large Second-Harmonic Generation of LiC ₂ PO ₄ is caused by the Metal-Cation-Centered Groups. <i>Angewandte Chemie</i> , 2018, 130, 3997-4001.	1.6	18
141	Stabilizing volatile azido in a 3D nitrogen-rich energetic metal-organic framework with excellent energetic performance. <i>Journal of Solid State Chemistry</i> , 2018, 265, 42-49.	1.4	18
142	Improving coloration time and moisture stability of photochromic viologen-carboxylate zwitterions. <i>New Journal of Chemistry</i> , 2018, 42, 15466-15471.	1.4	18
143	[Zn(OOCH) ₂ (4,4'-bipyridine)]: A metal-organic-framework (MOF) with x-ray-induced photochromic behaviour at room temperature. <i>Dyes and Pigments</i> , 2019, 163, 656-659.	2.0	18
144	Achieving Different Color Changes for Photochromic Compounds by Controlling Coordination Modes. <i>Journal of Physical Chemistry C</i> , 2020, 124, 27680-27686.	1.5	18

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145	Barium-based scintillating MOFs for X-ray dosage detection with intrinsic energy resolution <i>via</i> luminescent multidentate naphthalene disulfonate moieties. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5615-5620.	2.7	18
146	A photochromic and scintillation Eu-MOF with visual X-ray detection in bright and dark environments. <i>Chemical Communications</i> , 2022, 58, 4056-4059.	2.2	18
147	Viologen-templated bromoplumbate: a new in situ synthetic method and energy gap engineering. <i>CrystEngComm</i> , 2017, 19, 4476-4479.	1.3	17
148	A highly stable and tightly packed 3D energetic coordination polymer assembled from nitrogen-rich tetrazole derivatives. <i>New Journal of Chemistry</i> , 2018, 42, 13927-13932.	1.4	17
149	Zn ²⁺ stabilized Pd clusters with enhanced covalent metal–support interaction via the formation of Pd–Zn bonds to promote catalytic thermal stability. <i>Nanoscale</i> , 2020, 12, 14825-14830.	2.8	17
150	Ba ₁₃ In ₁₂ Zn ₇ S ₃₈ and Ba ₁₂ In ₁₂ Zn ₈ Se ₃₈ : infrared nonlinear optical chalcogenides designed by zinc-induced non-centrosymmetry transformation. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3688-3693.	2.7	17
151	Zinc(ii) coordination compounds based on in situ generated 3-(5H-tetrazol)benzaldehyde with diverse modes: hydrothermal syntheses, crystal structures and photoluminescent properties. <i>CrystEngComm</i> , 2013, 15, 7038.	1.3	16
152	A dual-emitting inorganic-organic hybrid material with emission intensity enhanced via electron-transfer photochromism. <i>Dyes and Pigments</i> , 2020, 181, 108441.	2.0	16
153	A nanowire array with two types of bromoplumbate chains and high anisotropic conductance. <i>Dalton Transactions</i> , 2018, 47, 1023-1026.	1.6	15
154	Calcium-based efficient cathode-ray scintillating metal–organic frameworks constructed from ĩ-conjugated luminescent motifs. <i>Chemical Communications</i> , 2019, 55, 13816-13819.	2.2	15
155	(Et ₄ N) ₂ [(Mo ₂ O ₂ Se ₆) _{0.20} (Mo ₂ O ₂ Se ₇) _{0.18} (Mo ₂ O ₂ Se ₈) _{0.62}], a New Dimeric Molybdenum Polyselenide Containing a [Mo ₂ O ₂ (¹ / ₄ -Se) ₂] Core. <i>Inorganic Chemistry</i> , 1998, 37, 6538-6540.	1.9	14
156	A 3D metal–organic framework built from vanadate clusters and diamond chains showing weak ferromagnetic single-chain-magnet like behavior. <i>Journal of Materials Chemistry C</i> , 2017, 5, 513-517.	2.7	14
157	LiGa _{0.54} In _{0.46} S ₂ : A new infrared nonlinear optical material with large laser damage threshold designed by gallium substitution in LilnS ₂ . <i>Inorganic Chemistry Communication</i> , 2020, 115, 107852.	1.8	14
158	UV-vis/X-ray/thermo-induced synthesis and UV–SWIR photoresponsive property of a mixed-valence viologen molybdate semiconductor. <i>Chemical Communications</i> , 2021, 57, 5550-5553.	2.2	14
159	Enhanced Photoinduced Electron Transfer and Stability of Diradicals in Neutral Extended Pyridine <i>N</i>-Oxides. <i>Journal of Physical Chemistry C</i> , 2019, 123, 24670-24675.	1.5	13
160	Phenanthroline: A New Electron Acceptor Model for the Design and Syntheses of Photochromic Compounds. <i>Crystal Growth and Design</i> , 2019, 19, 6023-6027.	1.4	13
161	Syntheses, Crystal Structures, and Optical Properties of Indium Arsenic(III) Oxide Halides: In ₂ (As ₂ O ₅)Cl ₂ and In ₄ (As ₂ O ₅)(As ₃ O ₇)Br ₃ . <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 4069-4076.	1.0	12
162	Assembly of Co(ii)/Cu(ii)-azido polynuclear polymers: structural diversity and magnetic behavior. <i>CrystEngComm</i> , 2014, 16, 2009.	1.3	12

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163	Two new photochromic coordination compounds with nonphotochromic ligands and different metal centers. <i>RSC Advances</i> , 2017, 7, 34901-34906.	1.7	12
164	A ₂ Zn ₃ P ₄ S ₁₃ (A = Rb and Cs): First Infrared Nonlinear Optical Materials with Mixed Thiophosphate Functional Motifs PS ₄ and P ₂ S ₆ . <i>Journal of Materials Chemistry C</i> , 2022, 10, 9146-9151.	2.7	12
165	Syntheses, crystal structures and magnetic properties of ternary rare-earth zirconium selenides, Ln ₂ ZrSe ₅ (Ln = Ce–Nd). <i>Journal of Alloys and Compounds</i> , 2016, 676, 101-105.	2.8	11
166	Ce-doped Bi based catalysts for highly efficient electroreduction of CO ₂ to formate. <i>Journal of Materials Chemistry C</i> , 0, .	2.7	11
167	A luminescent barium-based metal-organic framework: Synthesis, structure and efficient detection of 4-nitrobenzoic acid. <i>Inorganic Chemistry Communication</i> , 2018, 97, 129-133.	1.8	10
168	Photochromic Lanthanide(III) Materials with Ion Sensing Based on Pyridinium Tetrazolate Zwitterion. <i>ACS Omega</i> , 2019, 4, 7492-7497.	1.6	10
169	Open-Framework Zn Compound with Cationic- π Interaction: Photochromism and Benzene Series Detection. <i>Inorganic Chemistry</i> , 2021, 60, 560-564.	1.9	10
170	Oxygen Vacancy in CeO ₂ Facilitate the Catalytic Activity of Pd/CeO ₂ for CO Direct Esterification to Dimethyl Oxalate. <i>Catalysis Letters</i> , 2022, 152, 503-512.	1.4	9
171	Enhanced metal-support interaction between Pd and hierarchical Nb ₂ O ₅ via oxygen defect induction to promote CO oxidative coupling to dimethyl oxalate. <i>Nanoscale</i> , 2021, 13, 18773-18779.	2.8	9
172	2D perovskite hybrid with both semiconductive and yellow light emission properties. <i>Inorganic Chemistry Communication</i> , 2019, 102, 90-94.	1.8	8
173	A Smart Photochromic Semiconductor: Breaking the Intrinsic Positive Relation Between Conductance and Temperature. <i>Angewandte Chemie</i> , 2019, 131, 9575-9578.	1.6	8
174	Paired-Pd(II) centers embedded in HKUST-1 framework: Tuning the selectivity from dimethyl carbonate to dimethyl oxalate. <i>Journal of Energy Chemistry</i> , 2022, 67, 233-240.	7.1	8
175	Infrared nonlinear optical performances of a new sulfide PbGa_2S_4 . <i>Journal of Alloys and Compounds</i> , 2022, 905, 164090.	2.8	8
176	An enhanced extended hook method to realize tetranuclear metal clusters embedded in energetic metal-organic framework channels. <i>CrystEngComm</i> , 2016, 18, 5803-5806.	1.3	7
177	Two viologen-based photoluminescent compounds: excitation-wavelength-dependent and photoirradiation-time-dependent photoluminescent switches. <i>CrystEngComm</i> , 2021, 23, 3856-3860.	1.3	7
178	A new salt-inclusion chalcogenide exhibiting distinctive [Cd ₁₁ In ₉ S ₂₆] ³⁺ host framework and decent nonlinear optical performances. <i>Journal of Alloys and Compounds</i> , 2022, 902, 163656.	2.8	7
179	Facile synthesis of ternary homogeneous ZnS _{1-x} Se _x nanosheets with tunable bandgaps. <i>CrystEngComm</i> , 2014, 16, 6823-6826.	1.3	6
180	Highly Stable Energetic Coordination Polymer Assembled with Co(II) and Tetrazole Derivatives. <i>ACS Omega</i> , 2019, 4, 15107-15111.	1.6	6

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181	Photoswitching Bulk Quadratic Nonlinear-Optical Properties with Record Contrast in a Photochromic Semiconductor. <i>Inorganic Chemistry</i> , 2021, 60, 9278-9281.	1.9	6
182	Shape-dependent catalytic properties of electrochemically synthesized PdPt nanoparticles towards alcohols electrooxidation. <i>Journal of Electroanalytical Chemistry</i> , 2021, 896, 115189.	1.9	6
183	Plasma Promotes Dry Reforming Reaction of CH ₄ and CO ₂ at Room Temperature with Highly Dispersed NiO/β-Al ₂ O ₃ Catalyst. <i>Catalysts</i> , 2021, 11, 1433.	1.6	6
184	Al ₄ S ₆ Cl (A = Rb and Cs) and Pb ₅ Sn ₃ Q ₁₀ Cl ₂ (Q = S and Se): quaternary chalcogenides with mixed anionic coordination exhibit photocurrent responses. <i>Dalton Transactions</i> , 2022, 51, 6638-6645.	1.6	6
185	Tunable dual-emissive photoluminescence of a zinc(II) coordination polymer based on tetrazolate-carboxylate acid and 4,4'-bipyridine mixed organic chromophores. <i>Inorganic Chemistry Communication</i> , 2016, 70, 193-196.	1.8	5
186	Photochromism and Photomagnetism Induced by Structural Disorder of a Crystalline Spin-Crossover FeII Complex. <i>Crystal Growth and Design</i> , 2019, 19, 3688-3693.	1.4	5
187	Photoinduced Electron Transfer (PIET) Strategy for Selective Adsorption of CO ₂ over C ₂ H ₂ in a MOF. <i>Angewandte Chemie</i> , 2021, 133, 18371-18378.	1.6	5
188	Two d ¹⁰ 2D Cathode-Ray Scintillation Coordination Polymers with High Efficiency and High-Voltage Stability. <i>Inorganic Chemistry</i> , 2022, 61, 8982-8986.	1.9	5
189	A X-ray responsive scintillating coordination polymer constructed by lead(II) and anthracene derivative. <i>Inorganic Chemistry Communication</i> , 2022, 142, 109711.	1.8	5
190	High-Performance RuCl ₃ Catalyst Systems for Hydroesterification of Methyl Formate and Ethylene. <i>Chinese Journal of Chemistry</i> , 2019, 37, 769-774.	2.6	4
191	Photoresponsive sulfone-based molecules: photoinduced electron transfer and heat/air-stable radicals in the solid state. <i>New Journal of Chemistry</i> , 2019, 43, 4506-4510.	1.4	3
192	Photochromic Semiconductors with Record-High Dielectric Permittivity Gain at Room Temperature. <i>ACS Applied Electronic Materials</i> , 2021, 3, 3301-3305.	2.0	3
193	Photochromic Coordination Compound: Oxygen-Assisted Photoinduced Color Change for Triplet Oxygen Detection. <i>Inorganic Chemistry</i> , 2022, 61, 796-800.	1.9	3
194	Dimethyl 5-(4-phenyl-1H-1,2,3-triazol-1-yl)benzene-1,3-dicarboxylate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o3591-o3593.	0.2	2
195	Innenbild: Significant Enhancement of C ₂ H ₂ /C ₂ H ₄ Separation by a Photochromic Diarylethene Unit: A Temperature- and Light-Responsive Separation Switch (<i>Angew. Chem.</i> 27/2017). <i>Angewandte Chemie</i> , 2017, 129, 8127-8127.	1.6	2
196	Pd/Mg(OH) ₂ Heterogeneous Nanocatalysts Synthesized by a Facile One-Pot Hydrothermal Method for CO Direct Esterification to Dimethyl Oxalate. <i>Catalysis Letters</i> , 2021, 151, 3213-3219.	1.4	2
197	Photochromism and photo-switchable luminescence properties of a methacrylate-based inorganic-organic hybrid compound. <i>Inorganica Chimica Acta</i> , 2021, 519, 120248.	1.2	2
198	Photocurrent, humidity sensitivity and proton conductivity properties of a new sulfide semiconductor CsCuS ₄ . <i>Dalton Transactions</i> , 2022, 51, 5561-5566.	1.6	2

#	ARTICLE	IF	CITATIONS
199	Enhancing the activity of Pd/Zn-Al-O catalysts for esterification of CO to dimethyl oxalate <i>via</i> increasing oxygen defects by tuning the Zn/Al ratio. <i>Catalysis Science and Technology</i> , 2022, 12, 4273-4280.	2.1	2
200	Titelbild: Li ₂ [Li ₂ Cl] ₃ [Ga ₃ S ₆]: A Nanoporous Framework of GaS ₄ Tetrahedra with Excellent Nonlinear Optical Performance (<i>Angew. Chem.</i> 12/2020). <i>Angewandte Chemie</i> , 2020, 132, 4621-4621.	1.6	0
201	Uncovering a Functional Motif of Nonlinear Optical Materials by In Situ Electron Density and Wavefunction Studies Under Laser Irradiation. <i>Angewandte Chemie</i> , 2021, 133, 11905-11909.	1.6	0
202	A Zn(II) coordination polymer assembled by triazole derivative: Crystal structures and energetic behavior. <i>Inorganic Chemistry Communication</i> , 2022, 136, 109168.	1.8	0
203	Influence of molecular packing on the color-tunable emissive behavior of viologen derivatives. <i>Results in Chemistry</i> , 2022, 4, 100392.	0.9	0