

Chang-Wen Hu

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103
papers

3,058
citations

28
h-index

52
g-index

109
ext. papers

3,675
ext. citations

6
avg, IF

5.42
L-index

#	Paper	IF	Citations
103	Promoting nitrogen electroreduction to ammonia with bismuth nanocrystals and potassium cations in water. <i>Nature Catalysis</i> , 2019 , 2, 448-456	36.5	404
102	Graphene-wrapped WO ₃ nanoparticles with improved performances in electrical conductivity and gas sensing properties. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17167		145
101	A Polyoxoniobate-Polyoxovanadate Double-Anion Catalyst for Simultaneous Oxidative and Hydrolytic Decontamination of Chemical Warfare Agent Simulants. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 4473-4477	16.4	135
100	Crystal Facets Make a Profound Difference in Polyoxometalate-Containing Metal-Organic Frameworks as Catalysts for Biodiesel Production. <i>Journal of the American Chemical Society</i> , 2015 , 137, 12697-703	16.4	119
99	Interconnected core-shell MoO ₂ microcapsules with nanorod-assembled shells as high-performance lithium-ion battery anodes. <i>Journal of Materials Chemistry</i> , 2012 , 22, 13334		103
98	A novel activating strategy to achieve highly porous carbon monoliths for CO ₂ capture. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 4819-4826	13	101
97	Novel Zn ₂ SnO ₄ Hierarchical Nanostructures and Their Gas Sensing Properties toward Ethanol. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 5522-5529	3.8	101
96	Bifunctional HNO ₃ catalytic synthesis of N-doped porous carbons for CO ₂ capture. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 913-918	13	100
95	Polyoxometallates trapped in a zeolitic imidazolate framework leading to high uptake and selectivity of bioactive molecules. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 2168-2173	13	85
94	Nickel-substituted zeolitic imidazolate frameworks for time-resolved alcohol sensing and photocatalysis under visible light. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 5724-5729	13	79
93	A Bioinspired Molecular Polyoxometalate Catalyst with Two Cobalt(II) Oxide Cores for Photocatalytic Water Oxidation. <i>ChemSusChem</i> , 2015 , 8, 2630-4	8.3	68
92	Four alkoxohexavanadate-based Pd-polyoxovanadates as robust heterogeneous catalysts for oxidation of benzyl-alkanes. <i>Inorganic Chemistry</i> , 2015 , 54, 1454-61	5.1	65
91	Direct synthesis of cyclic carbonates from olefins and CO ₂ catalyzed by a MoO ₂ (acac) ₂ -quaternary ammonium salt system. <i>Green Chemistry</i> , 2011 , 13, 2518	10	64
90	A facile one-step method to produce Ni/graphene nanocomposites and their application to the thermal decomposition of ammonium perchlorate. <i>CrystEngComm</i> , 2012 , 14, 428-434	3.3	63
89	Nitrogen-doped porous carbon monolith as a highly efficient catalyst for CO ₂ conversion. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 18360-18366	13	58
88	Three new imidazole-functionalized hexanuclear oxidovanadium clusters with exceptional catalytic oxidation properties for alcohols. <i>Chemistry - A European Journal</i> , 2013 , 19, 4408-13	4.8	58
87	pH-Dependent syntheses of copper-quinoxaline-polyoxotungstate hybrids: variable role of Keggin-type polyanion in different pH conditions. <i>CrystEngComm</i> , 2012 , 14, 3183	3.3	53

86	Ionic Liquid from Vitamin B1 Analogue and Heteropolyacid: A Recyclable Heterogeneous Catalyst for Dehydrative Coupling in Organic Carbonate. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 3727-3732 ^{8.3}	52
85	A simple approach to spherical nickel-carbon monoliths as light-weight microwave absorbers. <i>Journal of Materials Chemistry</i> , 2012 , 22, 18426	47
84	A copper(II)-based MOF film for highly efficient visible-light-driven hydrogen production. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 7174-7177	13 45
83	Fabrication of FOX-7 quasi-three-dimensional grids of one-dimensional nanostructures via a spray freeze-drying technique and size-dependence of thermal properties. <i>Journal of Hazardous Materials</i> , 2010 , 184, 561-566	12.8 44
82	Three Candesartan Salts with Enhanced Oral Bioavailability. <i>Crystal Growth and Design</i> , 2015 , 15, 3707-3714	31 41
81	Efficient Mechanochemical Synthesis of Polyoxometalate/ZIF Complexes as Reusable Catalysts for Highly Selective Oxidation. <i>Inorganic Chemistry</i> , 2017 , 56, 14506-14512	5.1 40
80	Controllable Synthesis of Lindqvist Alkoxopolyoxovanadate Clusters as Heterogeneous Catalysts for Sulfoxidation of Sulfides. <i>Inorganic Chemistry</i> , 2017 , 56, 5748-5756	5.1 37
79	Atmospheric Pressure of CO ₂ as Protecting Reagent and Reactant: Efficient Synthesis of Oxazolidin-2-ones with Carbamate Salts, Aldehydes and Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2016 , 358, 90-97	5.6 33
78	Ce(III)-Containing tungstotellurate(VI) with a sandwich structure: an efficient Lewis acid-Base catalyst for the condensation cyclization of 1,3-diketones with hydrazines/hydrazides or diamines. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 2472-2477	6.8 32
77	Aminated Graphene Oxide Impregnated with Photocatalytic Polyoxometalate for Efficient Adsorption of Dye Pollutants and Its Facile and Complete Photoregeneration. <i>Small</i> , 2017 , 13, 1603174	11 28
76	Self-Assembly of Ln(III)-Containing Tungstotellurates(VI): Correlation of Structure and Photoluminescence. <i>Inorganic Chemistry</i> , 2018 , 57, 8831-8840	5.1 28
75	An Atom-Economical Route to Substituted Arylethyl Ketones: Phosphomolybdic Acid-Catalyzed Carbohydroxylation of Terminal Alkynes in Organic Carbonate. <i>Advanced Synthesis and Catalysis</i> , 2017 , 359, 926-932	5.6 26
74	Discrete Silver(I)-Palladium(II)-Oxo Nanoclusters, {Ag Pd} and {Ag Pd}, and the Role of Metal-Metal Bonding Induced by Cation Confinement. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 15766-15770	16.4 26
73	Binder strategy towards improving the rate performance of nanosheet-assembled SnO ₂ hollow microspheres. <i>RSC Advances</i> , 2012 , 2, 11737	3.7 25
72	Phosphomolybdic acid as a bifunctional catalyst for Friedel-Crafts type dehydrative coupling reaction. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4450	3.1 25
71	One-pot synthesis of trifluoromethylated benzimidazolines catalyzed by phosphotungstic acid with a low catalyst loading. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4314	3.1 24
70	Influence of dimensionality and crystallization on visible-light hydrogen production of Au@TiO ₂ core-shell photocatalysts based on localized surface plasmon resonance. <i>Catalysis Science and Technology</i> , 2018 , 8, 1094-1103	5.5 24
69	A Versatile Self-Detoxifying Material Based on Immobilized Polyoxoniobate for Decontamination of Chemical Warfare Agent Simulants. <i>Chemistry - A European Journal</i> , 2018 , 24, 19208-19215	4.8 24

- 68 Controlled Synthesis of Polyoxopalladates, and Their Gas-Phase Fragmentation Study by Electropray Ionization Tandem Mass Spectrometry. *European Journal of Inorganic Chemistry*, **2013**, 2013, 3458-3463 2.3 23
- 67 Rational Design of Organically Functionalized Polyoxopalladates and Their Supramolecular Properties. *Chemistry - A European Journal*, **2018**, 24, 2466-2473 4.8 23
- 66 Recoverable amphiphilic polyoxoniobates catalyzing oxidative and hydrolytic decontamination of chemical warfare agent simulants in emulsion. *Journal of Hazardous Materials*, **2018**, 344, 994-999 12.8 23
- 65 Cu_{1.5}Pm_{0.12}O_{4.0}-catalyzed condensation cyclization for the synthesis of substituted pyrazoles. *Applied Organometallic Chemistry*, **2018**, 32, e4532 3.1 23
- 64 Palladium-Catalyzed Decarboxylative Synthesis of Arylamines. *Organic Letters*, **2016**, 18, 5560-5563 6.2 22
- 63 A Polyoxoniobate-Polyoxovanadate Double-Anion Catalyst for Simultaneous Oxidative and Hydrolytic Decontamination of Chemical Warfare Agent Simulants. *Angewandte Chemie*, **2017**, 129, 4544-4548 2.6 21
- 62 Transesterification of dimethyl carbonate with phenol to diphenyl carbonate over hexagonal Mg(OH)₂ nanoflakes. *Inorganic Chemistry Frontiers*, **2015**, 2, 47-54 6.8 21
- 61 Coordination Polymers Based on Substituted Terpyridine Ligands: Synthesis, Structural Diversity, and Highly Efficient and Selective Catalytic Oxidation of Benzylic C-H Bonds. *Crystal Growth and Design*, **2015**, 15, 2695-2702 3.5 18
- 60 Controllable Assembly of Vanadium-Containing Polyoxoniobate-Based Three-Dimensional Organic-Inorganic Hybrid Compounds and Their Photocatalytic Properties. *Inorganic Chemistry*, **2016**, 55, 7501-7 5.1 18
- 59 Synthesis of Cyclic Carbonates from Alkenyl and Alkynyl Substrates. *Chinese Journal of Chemistry*, **2017**, 35, 541-550 4.9 17
- 58 Synthesis, structure and characterization of three different dimension inorganic-organic hybrid vanadates: [Co₂(mIM)₅(H₂O)₂]V₄O₁₂, [Ni₂(mIM)₇(H₂O)]V₄O₁₂·H₂O and [Cd(eIM)₂(H₂O)]V₂O₆. *CrystEngComm*, **2015**, 17, 1625-1630 3.3 17
- 57 Polyoxometalates encapsulated into hollow double-shelled nanospheres as amphiphilic nanoreactors for an effective oxidative desulfurization. *Nanoscale*, **2020**, 12, 16586-16595 7.7 17
- 56 In situ synthesis of a novel dioxidovanadium-based nickel complex as catalyst for deep oxidative desulfurization with molecular oxygen. *Inorganic Chemistry Communication*, **2015**, 60, 12-14 3.1 16
- 55 Probing the Self-Assembly Mechanism of Lanthanide-Containing Sandwich-Type Silicotungstates [Ln(H₂O)_n]₂{Mn₄(B-SiW₉O₃₄)₂(H₂O)₂}(6-) Using Time-Resolved Mass Spectrometry and X-ray Crystallography. *Inorganic Chemistry*, **2016**, 55, 2900-8 5.1 16
- 54 Platinum-Containing Polyoxometalates: syn- and anti-[Pt(II)₂(PW₁₁O₃₉)₂](10-) and Formation of the Metal-Metal-Bonded di-Pt(III) Derivatives. *Chemistry - A European Journal*, **2016**, 22, 5514-9 4.8 15
- 53 Indirect conversion of ambient pressure CO₂ into oxazolidin-2-ones by a copper-based magnetic nanocatalyst. *RSC Advances*, **2016**, 6, 87179-87187 3.7 15
- 52 Photo-reduction assisted synthesis of W-doped TiO₂ coupled with Au nanoparticles for highly efficient photocatalytic hydrogen evolution. *CrystEngComm*, **2017**, 19, 675-683 3.3 14
- 51 Band Gap Engineering of In₂TiO₅ for H₂ Production under Near-infrared Light. *ACS Applied Materials & Interfaces*, **2015**, 7, 20761-8 9.5 14

50	Selective Oxidation of Benzylic C-H Bonds Catalyzed by Cu(II)/{PMo}. <i>Journal of Organic Chemistry</i> , 2020 , 85, 3101-3109	4.2	14
49	One step hydrothermal synthesis of CeO ₂ /TiO ₂ nanocomposites and investigation of the morphological evolution. <i>RSC Advances</i> , 2015 , 5, 89976-89984	3.7	12
48	Controllable synthesis of zirconia nano-powders using vapor-phase hydrolysis and theoretical analysis. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 1346-1352	13	12
47	What can electrospray mass spectrometry of paratungstates in an equilibrating mixture tell us?. <i>RSC Advances</i> , 2015 , 5, 83377-83382	3.7	11
46	Mono- and Di-Sc-Substituted Keggin Polyoxometalates: Effective Lewis Acid Catalysts for Nerve Agent Simulant Hydrolysis and Mechanistic Insights. <i>Inorganic Chemistry</i> , 2020 , 59, 9756-9764	5.1	11
45	High-valent cationic metal-organic macrocycles as novel supports for immobilization and enhancement of activity of polyoxometalate catalysts. <i>Catalysis Science and Technology</i> , 2016 , 6, 8540-8547	5.5	11
44	Inorganic-organic hybrid polyoxovanadates based on [VO] or [VO] clusters: controllable synthesis, crystal structures and catalytic properties in selective oxidation of sulfides. <i>Dalton Transactions</i> , 2020 , 49, 14148-14157	4.3	10
43	Efficient Conversion of Biomass-Derived Levulinic Acid to γ -Valerolactone over Polyoxometalate@Zr-Based Metal-Organic Frameworks: The Synergistic Effect of Brønsted and Lewis Acidic Sites. <i>Inorganic Chemistry</i> , 2021 , 60, 7785-7793	5.1	10
42	Sodium Salts and Solvate of Rebamipide: Synthesis, Structure, and Pharmacokinetic Study. <i>Crystal Growth and Design</i> , 2016 , 16, 3180-3189	3.5	10
41	Facile fabrication of InSe nanosheets: towards efficient visible-light-driven H ₂ production by coupling with P25. <i>Inorganic Chemistry Frontiers</i> , 2015 , 2, 657-661	6.8	9
40	A Highly Symmetric Ionic Crystal Constructed by Polyoxoniobates and Cobalt Complexes for Preferential Water Uptake over Alcohols. <i>Inorganic Chemistry</i> , 2017 , 56, 10844-10847	5.1	9
39	Regioselective Synthesis of 2-Vinylanilines Using O-aryloxycarbonylates by Sequential Decarboxylation/Amination/Heck Reaction. <i>Journal of Organic Chemistry</i> , 2017 , 82, 8251-8257	4.2	9
38	Three new polyoxoniobates constructed from Lindqvist-type hexaniobate and copper(II) amine complexes. <i>Journal of Coordination Chemistry</i> , 2011 , 64, 1032-1041	1.6	9
37	Synthesis and Pharmacokinetic Study of Three Gemfibrozil Salts: An Exploration of the Structure-Property Relationship. <i>Crystal Growth and Design</i> , 2016 , 16, 6060-6068	3.5	9
36	3D Coordination Polymer of [HW ₇ O ₂₄] ⁵⁻ Stabilized by a Copper(II) Complex and Sodium Cations: Structure, Solid-State Stability, and Aqueous Solution Behavior. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 1788-1792	2.3	8
35	Chlorine-free catalysts for green synthesis of cyclic carbonates from carbon dioxide. <i>Pure and Applied Chemistry</i> , 2011 , 84, 621-636	2.1	8
34	A new synthetic approach to functionalize oxomolybdenum complexes. <i>CrystEngComm</i> , 2013 , 15, 7410	3.3	7
33	MgO modified nanoporous carbon composites for methanol separation. <i>RSC Advances</i> , 2013 , 3, 10396	3.7	7

32	Positional disorder of Cu(II) ions in a cluster: a novel heptanuclear Cu(II) core supported by 4-bromo-3,5-dimethylpyrazolate. <i>CrystEngComm</i> , 2011 , 13, 2820	3.3	7
31	Electro-synthesized Co(OH) ₂ @CoSe with CoOH active sites for overall water splitting electrocatalysis. <i>Nanoscale Advances</i> , 2020 , 2, 792-797	5.1	7
30	Self-assembly of polyoxovanadate-capped polyoxoniobates and their catalytic decontamination of sulfur mustard simulants. <i>Chemical Communications</i> , 2020 , 56, 13967-13970	5.8	7
29	A polyoxometalate@covalent triazine framework as a robust electrocatalyst for selective benzyl alcohol oxidation coupled with hydrogen production. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 6152-6159	5.3	7
28	Investigation into the mechanism of polyoxotungstates-catalyzed cyclooctene epoxidation by ESI-MS. <i>RSC Advances</i> , 2016 , 6, 56656-56660	3.7	6
27	Carbamide promoted polyol synthesis and transmittance properties of silver nanocubes. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 547-555	6.8	6
26	Structural Diversity of Diosgenin Hydrates: Effect of Initial Concentration, Water Volume Fraction, and Solvent on Crystallization. <i>Crystal Growth and Design</i> , 2016 , 16, 1492-1501	3.5	6
25	Vertically Well-Aligned In ₂ O ₃ Cone-Like Nanowire Arrays Grown on Indium Substrates. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 1570-1576	2.3	6
24	Twinned TATB nanobelts: synthesis, characterization, and formation mechanism. <i>CrystEngComm</i> , 2011 , 13, 6658	3.3	6
23	Palladium-Catalyzed Synthesis of Indolines from Aroyloxycarbamates through a Tandem Decarboxylative Amination/Heck/Annulation Reaction. <i>Advanced Synthesis and Catalysis</i> , 2019 , 361, 192-200	5.6	6
22	Conversion of V6 to V10 cluster: Decavanadate-based Mn-polyoxovanadate as robust heterogeneous catalyst for sulfoxidation of sulfides. <i>Inorganic Chemistry Communication</i> , 2018 , 87, 5-7	3.1	6
21	Cu(i)/{NbO} catalyzed N-acylation of arylacetic acids with amines under aerobic conditions. <i>Chemical Communications</i> , 2018 , 54, 12471-12474	5.8	6
20	Copper(ii)-containing tungstotellurates(vi): syntheses, structures and their catalytic performances in selective oxidation of thioethers.. <i>RSC Advances</i> , 2020 , 10, 22515-22521	3.7	5
19	Synthesis of indoles from aroyloxycarbamates with alkynes via decarboxylation/cyclization. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 2421-2426	3.9	5
18	Temperature-dependent enhancement of oxygen reduction reaction activity for interconnected nitrogen-doped carbon shells. <i>CrystEngComm</i> , 2013 , 15, 8504	3.3	5
17	In situ synthesis of an inorganic-organic hybrid based on a molybdenum-oxo chain: [Cu ₂ (pz)(Mo ₃ O ₁₀)] _n . <i>Journal of Coordination Chemistry</i> , 2012 , 65, 1043-1050	1.6	5
16	Diskrete Silber(I)-Palladium(II)-Oxo-Nanocluster, {Ag ₄ Pd ₁₃ } und {Ag ₅ Pd ₁₅ }, sowie die Rolle der Metall-Metall-Bindung induziert durch Kationen-Einschluss. <i>Angewandte Chemie</i> , 2016 , 128, 15998-16002	2.6	5
15	Base-Mediated Intramolecular Decarboxylative Synthesis of Alkylamines from Alkanoyloxycarbamates. <i>Journal of Organic Chemistry</i> , 2018 , 83, 8233-8240	4.2	5

14	Self-assembly of Keggin-type U(VI)-containing tungstophosphates with a sandwich structure: an efficient catalyst for the synthesis of sulfonyl pyrazoles. <i>Inorganic Chemistry Frontiers</i> ,	6.8	5
13	Polyoxometalate-modified reduced graphene oxide foam as a monolith reactor for efficient flow catalysis of epoxide ring-opening reactions. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 8480-8488	13	4
12	Enhancing the CO Preferential Oxidation (CO-PROX) of CuO/TeO ₂ /Reduced Graphene Oxide (rGO) by Conductive rGO-Wrapping Based on the Interfacial Charge Transfer. <i>Catalysis Letters</i> , 2018 , 148, 3454-3466	2.8	4
11	Synthesis of protected amino acids via decarboxylation amination from malonate derivatives. <i>Organic and Biomolecular Chemistry</i> , 2020 ,	3.9	3
10	Two chiral multinuclear palladium(II) complexes comprising alternately arranged isomeric hexanuclear clusters. <i>CrystEngComm</i> , 2013 , 15, 6461	3.3	3
9	Imidazole-Functionalized Polyoxometalate Catalysts for the Oxidation of 5-Hydroxymethylfurfural to 2,5-Diformylfuran Using Atmospheric O ₂ . <i>Inorganic Chemistry</i> , 2021 , 60, 3909-3916	5.1	3
8	Template Electro-Etching-Mediated FeOOH Nanotubes as Highly Efficient Photoactive Electrocatalysts for Oxygen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2018 ,	6.1	3
7	Chiral Dodecanuclear Palladium(II) Thio Cluster: Synthesis, Structure, and Formation Mechanism Explored by ESI-MS and DFT Calculations. <i>Inorganic Chemistry</i> , 2016 , 55, 7811-3	5.1	2
6	Electrocatalytic ethylbenzene valorization using a polyoxometalate@covalent triazine framework with water as the oxygen source. <i>Chemical Communications</i> , 2021 , 57, 7430-7433	5.8	2
5	Triazole-directed fabrication of polyoxovanadate-based metal-organic frameworks as efficient multifunctional heterogeneous catalysts for the Knoevenagel condensation and oxidation of alcohols. <i>Dalton Transactions</i> , 2021 , 50, 10082-10091	4.3	2
4	Nanostructured Ceria-Praseodymium and Ceria-Terbium Mixed Oxides: Relationship Between Structural Change and Catalytic Activity Towards CO Oxidation. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 5999-6005	1.3	1
3	Assembly of Lanthanide-Containing Tungstotellurates(VI): Syntheses, Structures, and Catalytic Properties. <i>Frontiers in Chemistry</i> , 2020 , 8, 598961	5	0
2	Reduced polyoxomolybdate immobilized on reduced graphene oxide for rapid catalytic decontamination of a sulfur mustard simulant. <i>Dalton Transactions</i> , 2021 , 50, 9796-9803	4.3	0
1	Assembly of Three Scandium-containing Heteropolytungstates Based on a Building-block Synthetic Strategy. <i>Chemical Research in Chinese Universities</i> , 2020 , 36, 1161-1167	2.2	