

Chang-Wen Hu

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3038870/chang-wen-hu-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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
102	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	13	7
101	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
100	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
99	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
98	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
97	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
96	Synthesis of protected α -amino acids via decarboxylation amination from malonate derivatives. <i>Organic and Biomolecular Chemistry</i> , 2020 ,	3.9	3
95	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
94	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	
93	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
92	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
91	Electro-synthesized Co(OH) ₂ @CoSe with CoDH active sites for overall water splitting electrocatalysis. <i>Nanoscale Advances</i> , 2020 , 2, 792-797	5.1	7
90	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
89	Polyoxometalates encapsulated into hollow double-shelled nanospheres as amphiphilic nanoreactors for an effective oxidative desulfurization. <i>Nanoscale</i> , 2020 , 12, 16586-16595	7.7	17
88	Assembly of Lanthanide-Containing Tungstotellurates(VI): Syntheses, Structures, and Catalytic Properties. <i>Frontiers in Chemistry</i> , 2020 , 8, 598961	5	0
87	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

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 ⁵²	8.3	52
85	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
84	Promoting nitrogen electroreduction to ammonia with bismuth nanocrystals and potassium cations in water. <i>Nature Catalysis</i> , 2019 , 2, 448-456	36.5	404
83	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
82	Synthesis of indoles from aroyloxycarbamates with alkynes via decarboxylation/cyclization. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 2421-2426	3.9	5
81	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
80	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
79	Self-Assembly of Ln(III)-Containing Tungstotellurates(VI): Correlation of Structure and Photoluminescence. <i>Inorganic Chemistry</i> , 2018 , 57, 8831-8840	5.1	28
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	Rational Design of Organically Functionalized Polyoxopalladates and Their Supramolecular Properties. <i>Chemistry - A European Journal</i> , 2018 , 24, 2466-2473	4.8	23
76	Recoverable amphiphilic polyoxoniobates catalyzing oxidative and hydrolytic decontamination of chemical warfare agent simulants in emulsion. <i>Journal of Hazardous Materials</i> , 2018 , 344, 994-999	12.8	23
75	Conversion of V ₆ to V ₁₀ 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
74	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
73	Enhancing the CO Preferential Oxidation (CO-PROX) of CuO/CeO ₂ /Reduced Graphene Oxide (rGO) by Conductive rGO-Wrapping Based on the Interfacial Charge Transfer. <i>Catalysis Letters</i> , 2018 , 148, 3454-3466 ⁴	2.8	4
72	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
71	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
70	Cu _{1.5} Pm _{0.12} O ₄ -catalyzed condensation cyclization for the synthesis of substituted pyrazoles. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4532	3.1	23
69	Base-Mediated Intramolecular Decarboxylative Synthesis of Alkylamines from Alkanoyloxycarbamates. <i>Journal of Organic Chemistry</i> , 2018 , 83, 8233-8240	4.2	5

68	Phosphomolybdic acid as a bifunctional catalyst for Friedel-Crafts type dehydrative coupling reaction. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4450	3.1	25
67	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
66	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
65	Controllable Synthesis of Lindqvist Alkoxopolyoxovanadate Clusters as Heterogeneous Catalysts for Sulfoxidation of Sulfides. <i>Inorganic Chemistry</i> , 2017 , 56, 5748-5756	5.1	37
64	Synthesis of Cyclic Carbonates from Alkenyl and Alkynyl Substrates. <i>Chinese Journal of Chemistry</i> , 2017 , 35, 541-550	4.9	17
63	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
62	A Polyoxoniobate-Polyoxovanadate Double-Anion Catalyst for Simultaneous Oxidative and Hydrolytic Decontamination of Chemical Warfare Agent Simulants. <i>Angewandte Chemie</i> , 2017 , 129, 4544-4548	3.6	21
61	Photo-reduction assisted synthesis of W-doped TiO ₂ coupled with Au nanoparticles for highly efficient photocatalytic hydrogen evolution. <i>CrystEngComm</i> , 2017 , 19, 675-683	3.3	14
60	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
59	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
58	Regioselective Synthesis of 2-Vinylanilines Using O-aryloxycarbonyl Derivatives by Sequential Decarboxylation/Amination/Heck Reaction. <i>Journal of Organic Chemistry</i> , 2017 , 82, 8251-8257	4.2	9
57	Controllable Assembly of Vanadium-Containing Polyoxoniobate-Based Three-Dimensional Organic-Inorganic Hybrid Compounds and Their Photocatalytic Properties. <i>Inorganic Chemistry</i> , 2016 , 55, 7501-7	5.1	18
56	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
55	Palladium-Catalyzed Decarboxylative Synthesis of Arylamines. <i>Organic Letters</i> , 2016 , 18, 5560-5563	6.2	22
54	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
53	Platinum-Containing Polyoxometalates: syn- and anti-[Pt(II) ₂ (PW ₁₁ O ₃₉) ₂](10-) and Formation of the Metal-Metal-Bonded di-Pt(III) Derivatives. <i>Chemistry - A European Journal</i> , 2016 , 22, 5514-9	4.8	15
52	Investigation into the mechanism of polyoxotungstates-catalyzed cyclooctene epoxidation by ESI-MS. <i>RSC Advances</i> , 2016 , 6, 56656-56660	3.7	6
51	Carbamide promoted polyol synthesis and transmittance properties of silver nanocubes. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 547-555	6.8	6

50	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
49	Probing the Self-Assembly Mechanism of Lanthanide-Containing Sandwich-Type Silicotungstates $[\{Ln(H_2O)_n\}_2\{Mn_4(B_5W_9O_{34})_2(H_2O)_2\}]\{6-\}$ Using Time-Resolved Mass Spectrometry and X-ray Crystallography. <i>Inorganic Chemistry</i> , 2016 , 55, 2900-8	5.1	16
48	Diskrete Silber(I)-Palladium(II)-Oxo-Nanocluster, $\{Ag_4Pd_{13}\}$ und $\{Ag_5Pd_{15}\}$, sowie die Rolle der Metall-Metall-Bindung induziert durch Kationen-Einschluss. <i>Angewandte Chemie</i> , 2016 , 128, 15998-16002	3.6	5
47	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
46	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
45	Sodium Salts and Solvate of Rebamipide: Synthesis, Structure, and Pharmacokinetic Study. <i>Crystal Growth and Design</i> , 2016 , 16, 3180-3189	3.5	10
44	Indirect conversion of ambient pressure CO ₂ into oxazolidin-2-ones by a copper-based magnetic nanocatalyst. <i>RSC Advances</i> , 2016 , 6, 87179-87187	3.7	15
43	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
42	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
41	In situ synthesis of a novel dioxidovanadium-based nickel complex as catalyst for deep oxidative desulfurization with molecular oxygen. <i>Inorganic Chemistry Communication</i> , 2015 , 60, 12-14	3.1	16
40	Three Candesartan Salts with Enhanced Oral Bioavailability. <i>Crystal Growth and Design</i> , 2015 , 15, 3707-3714	3.14	41
39	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
38	Coordination Polymers Based on Substituted Terpyridine Ligands: Synthesis, Structural Diversity, and Highly Efficient and Selective Catalytic Oxidation of Benzylic C-H Bonds. <i>Crystal Growth and Design</i> , 2015 , 15, 2695-2702	3.5	18
37	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
36	What can electrospray mass spectrometry of paratungstates in an equilibrating mixture tell us?. <i>RSC Advances</i> , 2015 , 5, 83377-83382	3.7	11
35	One step hydrothermal synthesis of CeO ₂ /ZrO ₂ nanocomposites and investigation of the morphological evolution. <i>RSC Advances</i> , 2015 , 5, 89976-89984	3.7	12
34	Band Gap Engineering of In ₂ TiO ₅ for H ₂ Production under Near-infrared Light. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 20761-8	9.5	14
33	Transesterification of dimethyl carbonate with phenol to diphenyl carbonate over hexagonal Mg(OH) ₂ nanoflakes. <i>Inorganic Chemistry Frontiers</i> , 2015 , 2, 47-54	6.8	21

32	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
31	Synthesis, structure and characterization of three different dimension inorganic-organic hybrid vanadates: $[\text{Co}_2(\text{mIM})_5(\text{H}_2\text{O})_2]\text{V}_4\text{O}_{12}$, $[\text{Ni}_2(\text{mIM})_7(\text{H}_2\text{O})]\text{V}_4\text{O}_{12}\cdot\text{H}_2\text{O}$ and $[\text{Cd}(\text{eIM})_2(\text{H}_2\text{O})]\text{V}_2\text{O}_6$. <i>CrystEngComm</i> , 2015 , 17, 1625-1630	3.3	17
30	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
29	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
28	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
27	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
26	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
25	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
24	3D Coordination Polymer of $[\text{HW}_7\text{O}_{24}]^{5-}$ 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
23	A new synthetic approach to functionalize oxomolybdenum complexes. <i>CrystEngComm</i> , 2013 , 15, 7410	3.3	7
22	Temperature-dependent enhancement of oxygen reduction reaction activity for interconnected nitrogen-doped carbon shells. <i>CrystEngComm</i> , 2013 , 15, 8504	3.3	5
21	Two chiral multinuclear palladium(II) complexes comprising alternately arranged isomeric hexanuclear clusters. <i>CrystEngComm</i> , 2013 , 15, 6461	3.3	3
20	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
19	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
18	Controlled Synthesis of Polyoxopalladates, and Their Gas-Phase Fragmentation Study by Electrospray Ionization Tandem Mass Spectrometry. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 3458-3463	2.3	23
17	MgO modified nanoporous carbon composites for methanol separation. <i>RSC Advances</i> , 2013 , 3, 10396	3.7	7
16	A simple approach to spherical nickel-carbon monoliths as light-weight microwave absorbers. <i>Journal of Materials Chemistry</i> , 2012 , 22, 18426		47
15	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

14	Binder strategy towards improving the rate performance of nanosheet-assembled SnO ₂ hollow microspheres. <i>RSC Advances</i> , 2012 , 2, 11737	3.7	25
13	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
12	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
11	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
10	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
9	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
8	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
7	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
6	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
5	Twinned TATB nanobelts: synthesis, characterization, and formation mechanism. <i>CrystEngComm</i> , 2011 , 13, 6658	3.3	6
4	Three new polyoxoniobates constructed from Lindqvist-type hexaniobate and copper-amine complexes. <i>Journal of Coordination Chemistry</i> , 2011 , 64, 1032-1041	1.6	9
3	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
2	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
1	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