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List of Publications by Year
in descending order

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112 papers	3,788 citations	109321 35 h-index	149698 56 g-index
115 all docs	115 docs citations	115 times ranked	2928 citing authors

#	Article	IF	Citations
1	Ionic Liquid-Based Polyoxometalate Incorporated at ZIF-8: A Sustainable Catalyst to Combine Desulfurization and Denitrogenation Processes. Molecules, 2022, 27, 1711.	3.8	8
2	Oneâ€Pot Conversion of Glucose into 5â€Hydroxymethylfurfural using MOFs and BrÃ¸nstedâ€Acid Tandem Catalysts. Advanced Sustainable Systems, 2022, 6, .	5.3	7
3	Dichloro and dimethyl dioxomolybdenum(VI)-bipyridine complexes as catalysts for oxidative desulfurization of dibenzothiophene derivatives under extractive conditions. Journal of Organometallic Chemistry, 2022, 967, 122336.	1.8	3
4	Lindqvist versus Keggin-Type Polyoxometalates as Catalysts for Effective Desulfurization of Fuels. Catalysts, 2022, 12, 581.	3.5	9
5	Vanadium(V) complexes supported on porous MIL-100(Fe) as catalysts for the selective oxidation of toluene. Microporous and Mesoporous Materials, 2022, 341, 112091.	4.4	4
6	Synergistic combination of the nanoporous system of MOF-808 with a polyoxomolybdate to design an effective catalyst: simultaneous oxidative desulfurization and denitrogenation processes. Sustainable Energy and Fuels, 2021, 5, 4032-4040.	4.9	11
7	Isomerization of glucose to fructose catalyzed by metalâ€“organic frameworks. Sustainable Energy and Fuels, 2021, 5, 3847-3857.	4.9	17
8	Straightforward activation of metal-organic framework UiO-66 for oxidative desulfurization processes. Catalysis Today, 2021, 362, 28-34.	4.4	34
9	Membrane-Supported Layered Coordination Polymer as an Advanced Sustainable Catalyst for Desulfurization. Molecules, 2021, 26, 2404.	3.8	3
10	A simple desulfurization process to achieve high efficiency, sustainability and cost-effectivity via peroxotungstate catalyst. Molecular Catalysis, 2021, 505, 111515.	2.0	11
11	An Effective Magnetic Catalyst for Oxidative Desulfurization of Model and Real Fuels: Fe3O4/ZIF-8/TiOâ„. Microporous and Mesoporous Materials, 2021, 317, 110992.	4.4	37
12	Removing Simultaneously Sulfur and Nitrogen from Fuel under a Sustainable Oxidative Catalytic System. Sustainable Chemistry, 2021, 2, 382-391.	4.7	8
13	Vanadium C-scorpionate supported on mesoporous aptes-functionalized SBA-15 as catalyst for the peroxidative oxidation of benzyl alcohol. Microporous and Mesoporous Materials, 2021, 320, 111111.	4.4	7
14	Hf-Based UiO-66 as Adsorptive Compound and Oxidative Catalyst for Denitrogenation Processes. Compounds, 2021, 1, 3-14.	1.9	8
15	Large-pore silica spheres as support for samarium-coordinated undecamolybdophosphate: Oxidative desulfurization of diesels. Fuel, 2020, 259, 116213.	6.4	37
16	A sustainable peroxophosphomolybdate/H2O2 system for the oxidative removal of organosulfur compounds from simulated and real high-sulfur diesels. Applied Catalysis A: General, 2020, 589, 117154.	4.3	19
17	High Catalytic Efficiency of a Layered Coordination Polymer to Remove Simultaneous Sulfur and Nitrogen Compounds from Fuels. Catalysts, 2020, 10, 731.	3.5	12
18	An Effective Hybrid Heterogeneous Catalyst to Desulfurize Diesel: Peroxotungstate@Metalâ€“Organic Framework. Molecules, 2020, 25, 5494.	3.8	17

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19	Polyoxometalatesâ€Based Ionic Liquids (POMsâ€ILs) for Electrochemical Applications. ChemistrySelect, 2020, 5, 12266-12271.	1.5	5
20	Solvent-Free Desulfurization System to Produce Low-Sulfur Diesel Using Hybrid Monovacant Keggin-Type Catalyst. Molecules, 2020, 25, 4961.	3.8	4
21	Desulfurization and Denitrogenation Processes to Treat Diesel Using Mo(VI)â€Bipyridine Catalysts. Chemical Engineering and Technology, 2020, 43, 1774-1783.	1.5	11
22	Metalâ€Organic Frameworkâ€Based Catalysts for Oxidative Desulfurization. ChemCatChem, 2020, 12, 4721-4731.	3.7	40
23	Advanced framework-modified POM@ZIF-67 nanocomposites as enhanced oxygen evolution reaction electrocatalysts. Journal of Materials Chemistry A, 2020, 8, 13509-13521.	10.3	78
24	Oxygen Evolution Reaction Electrocatalytic Improvement in POM@ZIF Nanocomposites: A Bidirectional Synergistic Effect. ACS Applied Energy Materials, 2020, 3, 2925-2934.	5.1	62
25	Desulfurization of model and real fuels by extraction and oxidation processes using an indenylmolybdenum tricarbonyl preâ€catalyst. Applied Organometallic Chemistry, 2020, 34, e5490.	3.5	10
26	Polyoxometalate@Periodic mesoporous organosilicas as active materials for oxidative desulfurization of diesels. Microporous and Mesoporous Materials, 2020, 302, 110193.	4.4	15
27	Desulfurization of diesel by extraction coupled with Mo-catalyzed sulfoxidation in polyethylene glycol-based deep eutectic solvents. Journal of Molecular Liquids, 2020, 309, 113093.	4.9	25
28	Polyoxometalates-Based Nanocatalysts and Their Efficiency for Production of Sulfur-Free Diesel. Advances in Chemical and Materials Engineering Book Series, 2020, , 92-133.	0.3	0
29	Mesoporous nanosilica-supported polyoxomolybdate as catalysts for sustainable desulfurization. Microporous and Mesoporous Materials, 2019, 275, 163-171.	4.4	39
30	Multifunctionality in Two Families of Dinuclear Lanthanide(III) Complexes with a Tridentate Schiff-Base Ligand. Inorganic Chemistry, 2019, 58, 9581-9585.	4.0	12
31	Mesoporous Silica vs. Organosilica Composites to Desulfurize Diesel. Frontiers in Chemistry, 2019, 7, 756.	3.6	7
32	Effective Zinc-Substituted Keggin Composite To Catalyze the Removal of Sulfur from Real Diesels under a Solvent-Free System. Industrial & Engineering Chemistry Research, 2019, 58, 18540-18549.	3.7	12
33	Influence of UiO-66(Zr) Preparation Strategies in Its Catalytic Efficiency for Desulfurization Process. Materials, 2019, 12, 3009.	2.9	25
34	Polyoxomolybdate based ionic-liquids as active catalysts for oxidative desulfurization of simulated diesel. Polyhedron, 2019, 170, 762-770.	2.2	20
35	Dichlorodioxomolybdenum(VI) complexes bearing oxygen-donor ligands as catalysts for oxidative desulfurization of simulated and real diesel. Catalysis Communications, 2019, 128, 105704.	3.3	11
36	Noble-Metal-Free MOF-74-Derived Nanocarbons: Insights on Metal Composition and Doping Effects on the Electrocatalytic Activity Toward Oxygen Reactions. ACS Applied Energy Materials, 2019, 2, 1854-1867.	5.1	60

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37	Deep oxidative desulfurization of diesel fuels using homogeneous and SBA-15-supported peroxophosphotungstate catalysts. Fuel, 2019, 241, 616-624.	6.4	100
38	Oxidative desulfurization strategies using Keggin-type polyoxometalate catalysts: Biphasic versus solvent-free systems. Catalysis Today, 2019, 333, 226-236.	4.4	53
39	Desulfurization of liquid fuels by extraction and sulfoxidation using H2O2 and [CpMo(CO)3R] as catalysts. Applied Catalysis B: Environmental, 2018, 230, 177-183.	20.2	62
40	Efficient heterogeneous polyoxometalate-hybrid catalysts for the oxidative desulfurization of fuels. Catalysis Communications, 2018, 104, 1-8.	3.3	67
41	Efficient Oxidative Desulfurization Processes Using Polyoxomolybdate Based Catalysts. Energies, 2018, 11, 1696.	3.1	29
42	Improving the Catalytic Performance of Keggin [PW12O40]3â^' for Oxidative Desulfurization: Ionic Liquids versus SBA-15 Composite. Materials, 2018, 11, 1196.	2.9	36
43	Efficient eco-sustainable ionic liquid-polyoxometalate desulfurization processes for model and real diesel. Applied Catalysis A: General, 2017, 537, 93-99.	4.3	41
44	Sustainable Desulfurization Processes Catalyzed by Titanium-Polyoxometalate@TM-SBA-15. Topics in Catalysis, 2017, 60, 1140-1150.	2.8	25
45	Improved catalytic performance of porous metalâ€“organic frameworks for the ring opening of styrene oxide. CrystEngComm, 2017, 19, 4219-4226.	2.6	19
46	Desulfurization process conciliating heterogeneous oxidation and liquid extraction: Organic solvent or centrifugation/water?. Applied Catalysis A: General, 2017, 542, 359-367.	4.3	37
47	Catalytic performance and electrochemical behaviour of Metalâ€“organic frameworks: MIL-101(Fe) versus NH2-MIL-101(Fe). Polyhedron, 2017, 127, 464-470.	2.2	82
48	A recyclable ionic liquid-oxomolybdenum(<scp>vi</scp>) catalytic system for the oxidative desulfurization of model and real diesel fuel. Dalton Transactions, 2016, 45, 15242-15248.	3.3	34
49	A novel red emitting material based on polyoxometalate@periodic mesoporous organosilica. Microporous and Mesoporous Materials, 2016, 234, 248-256.	4.4	21
50	Zincâ€Substituted Polyoxotungstate@aminoâ€MILâ€101(Al) â€“ An Efficient Catalyst for the Sustainable Desulfurization of Model and Real Diesels. European Journal of Inorganic Chemistry, 2016, 2016, 5114-5122.	2.0	46
51	Catalytic oxidative/extractive desulfurization of model and untreated diesel using hybrid based zinc-substituted polyoxometalates. Fuel, 2016, 166, 268-275.	6.4	106
52	Influence of a porous MOF support on the catalytic performance of Eu-polyoxometalate based materials: desulfurization of a model diesel. Catalysis Science and Technology, 2016, 6, 1515-1522.	4.1	92
53	Polyoxometalates-Based Nanocatalysts for Production of Sulfur-Free Diesel. Advances in Chemical and Materials Engineering Book Series, 2016, , 426-458.	0.3	1
54	Production of ultra-deep sulfur-free diesels using a sustainable catalytic system based on UiO-66(Zr). Chemical Communications, 2015, 51, 13818-13821.	4.1	107

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55	Cobalt aluminate nanoparticles supported on MIL-101 structure: catalytic performance investigation. RSC Advances, 2015, 5, 4175-4183.	3.6	11
56	Desulfurization of model diesel by extraction/oxidation using a zinc-substituted polyoxometalate as catalyst under homogeneous and heterogeneous (MIL-101(Cr) encapsulated) conditions. Fuel Processing Technology, 2015, 131, 78-86.	7.2	125
57	SiW₁₁Fe@MILâ€101(Cr) Composite: A Novel and Versatile Electrocatalyst. ChemElectroChem, 2014, 1, 1293-1300.	3.4	15
58	Characterization of a Î¼â€oxoâ€bridged diiron porphyrin by ESIâ€LTQâ€Orbitrapâ€MS. Journal of Mass Spectrometry, 2014, 49, 763-765.	1.6	3
59	Effect on selective adsorption of ethane and ethylene of the polyoxometalates impregnation in the metal-organic framework MIL-101. Adsorption, 2014, 20, 533-543.	3.0	27
60	Novel pseudohalide-bridged Cu(II) complexes with a hydrazone ligand: Evaluation of antimicrobial activity. Polyhedron, 2014, 80, 166-172.	2.2	27
61	An efficient eco-sustainable oxidative desulfurization process using Î¼-oxo-bridged Fe(III) complex of meso-tetrakis(pentafluorophenyl)porphyrin. Applied Catalysis A: General, 2014, 478, 267-274.	4.3	33
62	Synthesis, crystal structures, spectroscopic and electrochemical studies on Cu(II) and Ni(II) complexes with compartmental nitrogenâ€“oxygen mixed donor ligands. Polyhedron, 2014, 80, 41-46.	2.2	19
63	Cobalt(<scp>iii</scp>) sepulchrate complexes: application as sustainable oxidative catalysts. New Journal of Chemistry, 2014, 38, 2500-2507.	2.8	13
64	Novel polyoxometalate silica nano-sized spheres: efficient catalysts for olefin oxidation and the deep desulfurization process. Dalton Transactions, 2014, 43, 9518-9528.	3.3	72
65	Oxidative catalytic versatility of a trivacant polyoxotungstate incorporated into MIL-101(Cr). Catalysis Science and Technology, 2014, 4, 1416.	4.1	79
66	Phosphotungstates as catalysts for monoterpenes oxidation: Homo- and heterogeneous performance. Catalysis Today, 2013, 203, 95-102.	4.4	52
67	Sandwich lanthano-silicotungstates: Structure, electrochemistry and photoluminescence properties. Polyhedron, 2013, 52, 308-314.	2.2	6
68	Novel Composite Material Polyoxovanadate@MIL-101(Cr): A Highly Efficient Electrocatalyst for Ascorbic Acid Oxidation. ACS Applied Materials & Interfaces, 2013, 5, 13382-13390.	8.0	99
69	Catalytic oxidative desulfurization systems based on Keggin phosphotungstate and metal-organic framework MIL-101. Fuel Processing Technology, 2013, 116, 350-357.	7.2	154
70	Redox behaviour, electrochromic properties and photoluminescence of potassium lanthano phosphomolybdate sandwich-type compounds. RSC Advances, 2013, 3, 16697.	3.6	9
71	Lanthanopolyoxometalates: From the structure of polyanions to the design of functional materials. Polyhedron, 2013, 52, 10-24.	2.2	43
72	Catalytic performance of a boron peroxotungstate complex under homogeneous and heterogeneous conditions. Catalysis Today, 2013, 203, 87-94.	4.4	15

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73	Multifunctional catalyst based on sandwich-type polyoxotungstate and MIL-101 for liquid phase oxidations. Catalysis Today, 2013, 210, 142-148.	4.4	56
74	Novel binuclear Cu(II) complexes combining a semicarbazone Schiff base with distinct bridging ligands: Structure and antimicrobial activity. Polyhedron, 2013, 57, 118-126.	2.2	31
75	Synthesis, structure and electrochemistry behavior of a cobalt(III) compound with azide and methyl 2-pyridyl ketone semicarbazone ligands. Journal of Molecular Structure, 2013, 1045, 55-61.	3.6	9
76	Europium Polyoxometalates Encapsulated in Silica Nanoparticles â€“ Characterization and Photoluminescence Studies. European Journal of Inorganic Chemistry, 2013, 2013, 2877-2886.	2.0	26
77	Dinuclear Lanthanide(III) Complexes by Metal-Ion-Assisted Hydration of Di-2-pyridyl Ketone Azine. Inorganic Chemistry, 2013, 52, 4145-4147.	4.0	21
78	Insights into the electrochemical behaviour of composite materials: Monovacant polyoxometalates @ porous metal-organic framework. Electrochimica Acta, 2013, 87, 853-859.	5.2	32
79	Novel heterogeneous catalysts based on lanthanopolyoxometalates supported on MIL-101(Cr). Catalysis Today, 2013, 218-219, 35-42.	4.4	45
80	Monovacant polyoxometalates incorporated into MIL-101(Cr): novel heterogeneous catalysts for liquid phase oxidation. Applied Catalysis A: General, 2013, 453, 316-326.	4.3	103
81	Mono-substituted silicotungstates as active catalysts for sustainable oxidations: homo- and heterogeneous performance. New Journal of Chemistry, 2013, 37, 2341.	2.8	35
82	An efficient oxidative desulfurization process using terbium-polyoxometalate@MIL-101(Cr). Catalysis Science and Technology, 2013, 3, 2404.	4.1	135
83	Manganese Mono-Substituted Borotungstate: Characterization and Catalytic Application. Materials Science Forum, 2012, 730-732, 975-980.	0.3	0
84	Hybrid layer-by-layer films based on lanthanide-bridged silicotungstates and poly(ethylenimine). Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 415, 302-309.	4.7	21
85	Epoxidation of olefins using a dichlorodioxomolybdenum(VI)-pyridylimine complex as catalyst. Inorganica Chimica Acta, 2012, 387, 234-239.	2.4	20
86	Chemistry and Catalytic Activity of Molybdenum(VI)-Pyrazolylpyridine Complexes in Olefin Epoxidation. Crystal Structures of Monomeric Dioxo, Dioxo-Ï¼-oxo, and Oxodiperoxo Derivatives. Inorganic Chemistry, 2011, 50, 525-538.	4.0	50
87	Synthesis and Catalytic Properties of Molybdenum(VI) Complexes with Tris(3,5-dimethyl-1-pyrazolyl)methane. Inorganic Chemistry, 2011, 50, 3490-3500.	4.0	44
88	Grafting of Molecularly Ordered Mesoporous Phenyleneâ€Silica with Molybdenum Carbonyl Complexes: Efficient Heterogeneous Catalysts for the Epoxidation of Olefins. Advanced Synthesis and Catalysis, 2010, 352, 1759-1769.	4.3	28
89	Catalytic olefin epoxidation with cationic molybdenum(VI) cis-dioxo complexes and ionic liquids. Applied Catalysis A: General, 2010, 372, 67-72.	4.3	33
90	Complexation of crystal-like mesoporous phenylene-silica with Cr(CO)3 and catalytic performance in the oxidation of cyclooctene. Journal of Molecular Catalysis A, 2010, 332, 13-18.	4.8	12

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91	Synthesis and characterisation of novel ruthenium multi-substituted polyoxometalates: Î±,Î²-[SiW9O37Ru4(H2O)3Cl3]7â^'. Polyhedron, 2010, 29, 3066-3073.	2.2	20
92	Comparison of liquid-phase olefin epoxidation catalysed by dichlorobis-(dimethylformamide)dioxomolybdenum(VI) in homogeneous phase and grafted onto MCM-41. Journal of Molecular Catalysis A, 2009, 297, 110-117.	4.8	42
93	Liquid-phase oxidation catalysed by copper(II) immobilised in a pillared layered double hydroxide. Journal of Molecular Catalysis A, 2009, 312, 23-30.	4.8	30
94	A New Insight into the Oxidation of Cyclododecane with Hydrogen Peroxide in the Presence of Iron-Substituted Polyoxotungstates. Synlett, 2008, 2008, 1623-1626.	1.8	4
95	Influence of Cyclodextrins on Catalytic Olefin Epoxidation with Metalâ€"Carbonyl Compounds. Crystal Structure of the TRIMEB Complex with CpFe(CO)₂Cl. Organometallics, 2007, 26, 6857-6863.	2.3	24
96	A Highly Efficient Dioxo(Î¼-oxo)molybdenum(VI) Dimer Catalyst for Olefin Epoxidation. Inorganic Chemistry, 2007, 46, 8508-8510.	4.0	46
97	Structural Studies of Keggin-Type Polyoxotungstates by Extended X-ray Absorption Fine Structure Spectroscopy. European Journal of Inorganic Chemistry, 2007, 2007, 1027-1038.	2.0	31
98	Synthesis and catalytic properties in olefin epoxidation of dioxomolybdenum(vi) complexes bearing a bidentate or tetradentate salen-type ligand. Journal of Molecular Catalysis A, 2007, 270, 185-194.	4.8	58
99	Structural and Catalytic Studies of a Trimethyltin Vanadate Coordination Polymer. Journal of Inorganic and Organometallic Polymers and Materials, 2007, 17, 215-222.	3.7	5
100	New chloro and triphenylsiloxy derivatives of dioxomolybdenum(VI) chelated with pyrazolylpyridine ligands: Catalytic applications in olefin epoxidation. Journal of Molecular Catalysis A, 2007, 261, 79-87.	4.8	52
101	Sandwich-type tungstophosphates in the catalytic oxidation of cycloalkanes with hydrogen peroxide. Journal of Molecular Catalysis A, 2007, 262, 41-47.	4.8	35
102	Catalytic Properties of the Dioxomolybdenum Siloxide MoO2(OSiPh3)2 and its 2,2'-Bipyridine Adduct MoO2(OSiPh3)2(bpy). Molecules, 2006, 11, 298-308.	3.8	19
103	Synthesis and catalytic properties in olefin epoxidation of chiral oxazoline dioxomolybdenum(VI) complexes. Journal of Molecular Catalysis A, 2006, 260, 11-18.	4.8	28
104	Electrochemical characterization of glassy carbon electrodes modified with hybrid inorganic-organic single-layer of Î±-Keggin type polyoxotungstates. Journal of Solid State Electrochemistry, 2006, 10, 10-17.	2.5	15
105	Association of Keggin-type anions with cationic meso-substituted porphyrins: synthesis, characterization and oxidative catalytic studies. Journal of Molecular Catalysis A, 2005, 231, 35-45.	4.8	62
106	A lanthanum(III) complex with a lacunary polyoxotungstate: Na2(NH4)7[La(W5O18)2]Â·16H2O. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, i28-i31.	0.2	5
107	Oxidation of cycloalkanes with hydrogen peroxide in the presence of Keggin-type polyoxotungstates. Catalysis Today, 2004, 91-92, 211-214.	4.4	26
108	A comparative study between Keggin-type tungstophosphates and tungstosilicates in the oxidation of cyclooctane with hydrogen peroxide. Journal of Molecular Catalysis A, 2004, 222, 159-165.	4.8	52

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109	Electrochemical Behaviour of First Row Transition Metal Substituted Polyoxotungstates: A Comparative Study in Acetonitrile. European Journal of Inorganic Chemistry, 2004, 2004, 619-628.	2.0	66
110	Unusual electrochemical reduction of copper(II) to copper(I) in polyoxotungstates. Electrochemistry Communications, 2003, 5, 378-382.	4.7	16
111	Catalytic Performance of Copper-Substituted Polyoxotungstate Materials and X-Ray Structure of a New Sandwich-Type Compound. Materials Science Forum, 0, 587-588, 538-542.	0.3	1
112	Porous Metal-Organic Framework Materials: Microwave Assisted Synthesis and Oxidative Catalytic Tests. Materials Science Forum, 0, 730-732, 1024-1029.	0.3	1