

Anabela A Valente

List of Publications by Year in descending order

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214
papers

7,913
citations

44069

48
h-index

71685

76
g-index

218
all docs

218
docs citations

218
times ranked

6336
citing authors

#	ARTICLE	IF	CITATIONS
1	Dehydration of xylose into furfural over micro-mesoporous sulfonic acid catalysts. <i>Journal of Catalysis</i> , 2005, 229, 414-423.	6.2	318
2	Conversion of mono/di/polysaccharides into furan compounds using 1-alkyl-3-methylimidazolium ionic liquids. <i>Applied Catalysis A: General</i> , 2009, 363, 93-99.	4.3	219
3	Exfoliated titanate, niobate and titanoniobate nanosheets as solid acid catalysts for the liquid-phase dehydration of d-xylose into furfural. <i>Journal of Catalysis</i> , 2006, 244, 230-237.	6.2	187
4	Highly Luminescent Tris(β^2 -diketonate)europium(III) Complexes Immobilized in a Functionalized Mesoporous Silica. <i>Chemistry of Materials</i> , 2005, 17, 5077-5084.	6.7	172
5	MCM-41 functionalized with bipyridyl groups and its use as a support for oxomolybdenum(vi) catalysts. <i>Journal of Materials Chemistry</i> , 2002, 12, 1735-1742.	6.7	163
6	Dehydration of d-xylose into furfural catalysed by solid acids derived from the layered zeolite Nu-6(1). <i>Catalysis Communications</i> , 2008, 9, 2144-2148.	3.3	150
7	Acidic cesium salts of 12-tungstophosphoric acid as catalysts for the dehydration of xylose into furfural. <i>Carbohydrate Research</i> , 2006, 341, 2946-2953.	2.3	136
8	Mesoporous silica-supported 12-tungstophosphoric acid catalysts for the liquid phase dehydration of d-xylose. <i>Microporous and Mesoporous Materials</i> , 2006, 94, 214-225.	4.4	129
9	One-pot conversion of furfural to useful bio-products in the presence of a Sn,Al-containing zeolite beta catalyst prepared via post-synthesis routes. <i>Journal of Catalysis</i> , 2015, 329, 522-537.	6.2	124
10	Catalytic cyclodehydration of xylose to furfural in the presence of zeolite H-Beta and a micro/mesoporous Beta/TUD-1 composite material. <i>Applied Catalysis A: General</i> , 2010, 388, 141-148.	4.3	122
11	Modified versions of sulfated zirconia as catalysts for the conversion of xylose to furfural. <i>Catalysis Letters</i> , 2007, 114, 151-160.	2.6	114
12	Conversion of furfuryl alcohol to ethyl levulinate using porous aluminosilicate acid catalysts. <i>Catalysis Today</i> , 2013, 218-219, 76-84.	4.4	111
13	Liquid phase dehydration of d-xylose in the presence of Keggin-type heteropolyacids. <i>Applied Catalysis A: General</i> , 2005, 285, 126-131.	4.3	107
14	Dehydration of Xylose into Furfural in the Presence of Crystalline Microporous Silicoaluminophosphates. <i>Catalysis Letters</i> , 2010, 135, 41-47.	2.6	104
15	Isomerization of d-glucose to d-fructose over metallosilicate solid bases. <i>Applied Catalysis A: General</i> , 2008, 339, 21-27.	4.3	99
16	Solid acids with SO_3H groups and tunable surface properties: versatile catalysts for biomass conversion. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11813-11824.	10.3	98
17	Integrated reduction and acid-catalysed conversion of furfural in alcohol medium using Zr,Al-containing ordered micro/mesoporous silicates. <i>Applied Catalysis B: Environmental</i> , 2016, 182, 485-503.	20.2	93
18	Aqueous-phase dehydration of xylose to furfural in the presence of MCM-22 and ITQ-2 solid acid catalysts. <i>Applied Catalysis A: General</i> , 2012, 417-418, 243-252.	4.3	92

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19	Multi-functional rare-earth hybrid layered networks: photoluminescence and catalysis studies. <i>Journal of Materials Chemistry</i> , 2009, 19, 2618.	6.7	90
20	Sulfonated Graphene Oxide as Effective Catalyst for Conversion of 5-Hydroxymethylfurfural into Biofuels. <i>ChemSusChem</i> , 2014, 7, 804-812.	6.8	90
21	Production of biomass-derived furanic ethers and levulinate esters using heterogeneous acid catalysts. <i>Green Chemistry</i> , 2013, 15, 3367.	9.0	89
22	Liquid-phase Dehydration of d-xylose over Microporous and Mesoporous Niobium Silicates. <i>Catalysis Letters</i> , 2006, 108, 179-186.	2.6	85
23	Ordered benzene-silica hybrids with molecular-scale periodicity in the walls and different mesopore sizes. <i>Journal of Materials Chemistry</i> , 2003, 13, 1910-1913.	6.7	83
24	Processing, stability and oxygen permeability of Sr(Fe, Al)O ₃ -based ceramic membranes. <i>Journal of Membrane Science</i> , 2005, 252, 215-225.	8.2	83
25	Molybdenum η^3 -Allyl Dicarbonyl Complexes as a New Class of Precursors for Highly Reactive Epoxidation Catalysts with tert-Butyl Hydroperoxide. <i>Organometallics</i> , 2007, 26, 5548-5556.	2.3	77
26	Acid-Catalysed Conversion of Saccharides into Furanic Aldehydes in the Presence of Three-Dimensional Mesoporous Al-TUD-1. <i>Molecules</i> , 2010, 15, 3863-3877.	3.8	77
27	Immobilisation of amine-functionalised nickel(II) Schiff base complexes onto activated carbon treated with thionyl chloride. <i>Microporous and Mesoporous Materials</i> , 2002, 55, 275-284.	4.4	75
28	Immobilization of Oxomolybdenum Species in a Layered Double Hydroxide Pillared by 2,2'-Bipyridine-5,5'-dicarboxylate Anions. <i>Inorganic Chemistry</i> , 2004, 43, 5422-5431.	4.0	74
29	Kinetics of Cyclooctene Epoxidation with tert-Butyl Hydroperoxide in the Presence of [MoO ₂ X ₂ L]-Type Catalysts (L = Bidentate Lewis Base). <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 1716-1723.	2.0	73
30	Dioxomolybdenum(VI) modified mesoporous materials for the catalytic epoxidation of olefins. <i>Catalysis Today</i> , 2006, 114, 263-271.	4.4	71
31	Dichloro and dimethyl dioxomolybdenum(vi)-diazabutadiene complexes as catalysts for the epoxidation of olefins. <i>New Journal of Chemistry</i> , 2004, 28, 308-313.	2.8	68
32	Molecular Structure-Activity Relationships for the Oxidation of Organic Compounds Using Mesoporous Silica Catalysts Derivatized with Bis(halogeno)dioxomolybdenum(VI) Complexes. <i>Chemistry - A European Journal</i> , 2003, 9, 4380-4390.	3.3	65
33	Monoterpenes oxidation in the presence of Y zeolite-entrapped manganese(III) tetra(4-N-benzylpyridyl)porphyrin. <i>Journal of Molecular Catalysis A</i> , 2003, 201, 211-222.	4.8	62
34	Mesoporous carbon-silica solid acid catalysts for producing useful bio-products within the sugar-platform of biorefineries. <i>Green Chemistry</i> , 2014, 16, 4292-4305.	9.0	62
35	Epoxidation of cyclooctene catalyzed by dioxomolybdenum(VI) complexes in ionic liquids. <i>Journal of Molecular Catalysis A</i> , 2004, 218, 5-11.	4.8	61
36	Catalytic dehydration of xylose to furfural: vanadyl pyrophosphate as source of active soluble species. <i>Carbohydrate Research</i> , 2011, 346, 2785-2791.	2.3	60

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37	Ionic Liquids as Tools for the Acid-Catalyzed Hydrolysis/Dehydration of Saccharides to Furanic Aldehydes. <i>ChemCatChem</i> , 2011, 3, 1686-1706.	3.7	60
38	Thermal Transformation of a Layered Multifunctional Network into a Metal-Organic Framework Based on a Polymeric Organic Linker. <i>Journal of the American Chemical Society</i> , 2011, 133, 15120-15138.	13.7	59
39	Niobium pentoxide nanomaterials with distorted structures as efficient acid catalysts. <i>Communications Chemistry</i> , 2019, 2, .	4.5	59
40	Methane oxidation over Fe-, Co-, Ni- and V-containing mixed conductors. <i>Solid State Ionics</i> , 2005, 176, 781-791.	2.7	58
41	Synthesis and catalytic properties in olefin epoxidation of dioxomolybdenum(vi) complexes bearing a bidentate or tetradentate salen-type ligand. <i>Journal of Molecular Catalysis A</i> , 2007, 270, 185-194.	4.8	58
42	Investigation of Molybdenum Tetracarbonyl Complexes As Precursors to Mo ^{VI} Catalysts for the Epoxidation of Olefins. <i>Organometallics</i> , 2010, 29, 883-892.	2.3	57
43	Synthesis, Structure, and Catalytic Performance in Cyclooctene Epoxidation of a Molybdenum Oxide/Bipyridine Hybrid Material: {[MoO ₃ (bipy)][MoO ₃ (H ₂ O)]}. <i>Inorganic Chemistry</i> , 2010, 49, 6865-6873.	4.0	57
44	Studies on olefin epoxidation with t-BuOOH catalysed by dioxomolybdenum(VI) complexes of a novel chiral pyridyl alcoholate ligand. <i>New Journal of Chemistry</i> , 2001, 25, 959-963.	2.8	54
45	New chloro and triphenylsiloxy derivatives of dioxomolybdenum(VI) chelated with pyrazolylpyridine ligands: Catalytic applications in olefin epoxidation. <i>Journal of Molecular Catalysis A</i> , 2007, 261, 79-87.	4.8	52
46	Lanthanide-polyphosphonate coordination polymers combining catalytic and photoluminescence properties. <i>Chemical Communications</i> , 2013, 49, 6400.	4.1	51
47	Chemistry and Catalytic Activity of Molybdenum(VI)-Pyrazolylpyridine Complexes in Olefin Epoxidation. Crystal Structures of Monomeric Dioxo, Dioxo-1/4-oxo, and Oxodiperoxo Derivatives. <i>Inorganic Chemistry</i> , 2011, 50, 525-538.	4.0	50
48	Multi-functional metal-organic frameworks assembled from a tripodal organic linker. <i>Journal of Materials Chemistry</i> , 2012, 22, 18354.	6.7	50
49	Adsorption heat pumps for heating applications. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 119, 109528.	16.4	50
50	Gas-Phase Oxidative Dehydrogenation of Cyclohexanol over ETS-10 and Related Materials. <i>Journal of Catalysis</i> , 2001, 200, 99-105.	6.2	49
51	Characterization of mixed-conducting La ₂ Ni _{0.9} Co _{0.1} O _{4+δ} membranes for dry methane oxidation. <i>Applied Catalysis A: General</i> , 2004, 261, 25-35.	4.3	48
52	CpMo(CO) ₃ Cl as a precatalyst for the epoxidation of olefins. <i>Catalysis Letters</i> , 2005, 101, 127-130.	2.6	48
53	Amino acid-functionalized cyclopentadienyl molybdenum tricarbonyl complex and its use in catalytic olefin epoxidation. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 1826-1833.	1.8	47
54	Robust Multifunctional Yttrium-Based Metal-Organic Frameworks with Breathing Effect. <i>Inorganic Chemistry</i> , 2017, 56, 1193-1208.	4.0	47

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55	Organotin(IV) Oxometalate Coordination Polymers as Catalysts for the Epoxidation of Olefins. <i>Journal of Catalysis</i> , 2002, 209, 237-244.	6.2	46
56	A Highly Efficient Dioxo(1/4-oxo)molybdenum(VI) Dimer Catalyst for Olefin Epoxidation. <i>Inorganic Chemistry</i> , 2007, 46, 8508-8510.	4.0	46
57	Molybdenum(vi) catalysts obtained from 1/3-allyl dicarbonyl precursors: Synthesis, characterization and catalytic performance in cyclooctene epoxidation. <i>Dalton Transactions</i> , 2012, 41, 3474.	3.3	45
58	Microwave-assisted coating of carbon nanostructures with titanium dioxide for the catalytic dehydration of D-xylose into furfural. <i>RSC Advances</i> , 2013, 3, 2595.	3.6	45
59	Asymmetric cationic methyl pyridyl and pentafluorophenyl porphyrin encapsulated in zeolites: A cytochrome P-450 model. <i>Journal of Molecular Catalysis A</i> , 2005, 237, 86-92.	4.8	44
60	Catalytic Epoxidation and Sulfoxidation Activity of a Dioxomolybdenum(VI) Complex Bearing a Chiral Tetradentate Oxazoline Ligand. <i>Catalysis Letters</i> , 2009, 132, 94-103.	2.6	44
61	Synthesis and Catalytic Properties of Molybdenum(VI) Complexes with Tris(3,5-dimethyl-1-pyrazolyl)methane. <i>Inorganic Chemistry</i> , 2011, 50, 3490-3500.	4.0	44
62	An Octanuclear Molybdenum(VI) Complex Containing Coordinatively Bound 4,4'-di-tert-Butyl-2,2'-Bipyridine, [Mo ₈ O ₂₂ (OH) ₄ (di-tBu-bipy) ₄]: Synthesis, Structure, and Catalytic Epoxidation of Bio-Derived Olefins. <i>Inorganic Chemistry</i> , 2012, 51, 3666-3676.	4.0	44
63	Multifunctional micro- and nanosized metal-organic frameworks assembled from bisphosphonates and lanthanides. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3311.	5.5	44
64	Preparation and catalytic properties of a new dioxomolybdenum(VI) complex covalently anchored to mesoporous MCM-48. <i>Inorganic Chemistry Communication</i> , 2003, 6, 1228-1233.	3.9	43
65	Incorporation of a (Cyclopentadienyl)molybdenum Oxo Complex in MCM-41 and Its Use as a Catalyst for Olefin Epoxidation. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 4914-4920.	2.0	42
66	Comparison of liquid-phase olefin epoxidation catalysed by dichlorobis-(dimethylformamide)dioxomolybdenum(VI) in homogeneous phase and grafted onto MCM-41. <i>Journal of Molecular Catalysis A</i> , 2009, 297, 110-117.	4.8	42
67	Preparation and catalytic studies of bis(halogeno)dioxomolybdenum(VI)-diimine complexes. <i>Journal of Molecular Catalysis A</i> , 2005, 227, 67-73.	4.8	41
68	Hydrothermal Synthesis, Crystal Structure, and Catalytic Potential of a One-Dimensional Molybdenum Oxide/Bipyridinedicarboxylate Hybrid. <i>Inorganic Chemistry</i> , 2013, 52, 4618-4628.	4.0	40
69	Synthesis and Catalytic Properties in Olefin Epoxidation of Octahedral Dichloridodioxidomolybdenum(VI) Complexes Bearing N,N'-Dialkylamide Ligands: Crystal Structure of [Mo ₂ O ₄ (1/2)Cl ₂ (dmf) ₄]. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 4528-4537.	2.0	39
70	Triazolyl-Based Copper-Molybdate Hybrids: From Composition Space Diagram to Magnetism and Catalytic Performance. <i>Inorganic Chemistry</i> , 2014, 53, 10112-10121.	4.0	38
71	Synthesis, Structural Elucidation, and Catalytic Properties in Olefin Epoxidation of the Polymeric Hybrid Material [Mo ₃ O ₉ (2-[3(5)-Pyrazolyl]pyridine)] _n . <i>Inorganic Chemistry</i> , 2014, 53, 2652-2665.	4.0	38
72	Incorporation of a dioxomolybdenum(VI) complex in a Zr(IV)-based Metal-Organic Framework and its application in catalytic olefin epoxidation. <i>Microporous and Mesoporous Materials</i> , 2015, 202, 106-114.	4.4	38

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73	Oxidation of pinane using transition metal acetylacetonate complexes immobilised on modified activated carbon. <i>Applied Catalysis A: General</i> , 2001, 207, 221-228.	4.3	36
74	Cyclopentadienyl molybdenum dicarbonyl η^3 -allyl complexes as catalyst precursors for olefin epoxidation. Crystal structures of $\text{Cp}^*\text{Mo}(\text{CO})_2(\eta^3\text{-C}_3\text{H}_5)$ ($\text{Cp}^* = \text{C}_5\text{H}_4\text{Me}$, $\eta^5\text{-C}_5\text{Me}_5$). <i>Journal of Organometallic Chemistry</i> , 2010, 695, 2311-2319.	1.8	36
75	Microwave-assisted molybdenum-catalysed epoxidation of olefins. <i>Journal of Molecular Catalysis A</i> , 2010, 320, 19-26.	4.8	36
76	Catalytic dehydration of d-xylose to 2-furfuraldehyde in the presence of Zr-(W,Al) mixed oxides. Tracing by-products using two-dimensional gas chromatography-time-of-flight mass spectrometry. <i>Catalysis Today</i> , 2012, 195, 127-135.	4.4	36
77	Aqueous phase reactions of pentoses in the presence of nanocrystalline zeolite beta: Identification of by-products and kinetic modelling. <i>Chemical Engineering Journal</i> , 2013, 215-216, 772-783.	12.7	36
78	Synthesis and Structural Elucidation of Triazolymolybdenum(VI) Oxide Hybrids and Their Behavior as Oxidation Catalysts. <i>Inorganic Chemistry</i> , 2015, 54, 8327-8338.	4.0	36
79	Crystal structure and temperature-dependent luminescence of a heterotetranuclear sodium-europium η^2 -diketonate complex. <i>Dalton Transactions</i> , 2015, 44, 488-492.	3.3	36
80	Methane oxidation on the surface of mixed-conducting $\text{La}_{0.3}\text{Sr}_{0.7}\text{Co}_{0.8}\text{Ga}_{0.2}\text{O}_{3-\delta}$. <i>Catalysis Communications</i> , 2004, 5, 311-316.	3.3	34
81	Heterogeneous oxidation catalysts formed in situ from molybdenum tetracarbonyl complexes and tert-butyl hydroperoxide. <i>Applied Catalysis A: General</i> , 2011, 395, 71-77.	4.3	34
82	Investigation of a dichlorodioxomolybdenum(vi)-pyrazolylpyridine complex and a hybrid derivative as catalysts in olefin epoxidation. <i>Dalton Transactions</i> , 2014, 43, 6059.	3.3	34
83	η^2 -Cyclodextrin and permethylated η^2 -cyclodextrin inclusion compounds of a cyclopentadienyl molybdenum tricarbonyl complex and their use as cyclooctene epoxidation catalyst precursors. <i>Inorganica Chimica Acta</i> , 2006, 359, 4757-4764.	2.4	33
84	Catalytic olefin epoxidation with cationic molybdenum(VI) cis-dioxo complexes and ionic liquids. <i>Applied Catalysis A: General</i> , 2010, 372, 67-72.	4.3	33
85	Catalytic Performance of Ceria Nanorods in Liquid-Phase Oxidations of Hydrocarbons with tert-Butyl Hydroperoxide. <i>Molecules</i> , 2010, 15, 747-765.	3.8	33
86	Effect of an Ionic Liquid on the Catalytic Performance of Thiocyanatodioxomolybdenum(VI) Complexes for the Oxidation of Cyclooctene and Benzyl Alcohol. <i>Catalysis Letters</i> , 2009, 129, 350-357.	2.6	32
87	Synthesis, Structural Elucidation, and Application of a Pyrazolylpyridine-Molybdenum Oxide Composite as a Heterogeneous Catalyst for Olefin Epoxidation. <i>Inorganic Chemistry</i> , 2012, 51, 8629-8635.	4.0	32
88	Fast Microwave Synthesis of a Microporous Lanthanide-Organic Framework. <i>Crystal Growth and Design</i> , 2010, 10, 2025-2028.	3.0	31
89	Epoxidation of cyclooctene using soluble or MCM-41-supported molybdenum tetracarbonyl-pyridylimine complexes as catalyst precursors. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 3543-3550.	1.8	31
90	Mesoporous zirconia-based mixed oxides as versatile acid catalysts for producing bio-additives from furfuryl alcohol and glycerol. <i>Applied Catalysis A: General</i> , 2014, 487, 148-157.	4.3	31

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91	Sustainable synthesis of a catalytic active one-dimensional lanthanide-organic coordination polymer. <i>Chemical Communications</i> , 2015, 51, 10807-10810.	4.1	31
92	Synthesis and characterisation of chromium-substituted ETS-10. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 1773-1777.	2.8	30
93	Hepta-coordinate halocarbonyl molybdenum(II) and tungsten(II) complexes as heterogeneous polymerization catalysts. <i>Journal of Molecular Catalysis A</i> , 2006, 256, 90-98.	4.8	30
94	Liquid-phase oxidation catalysed by copper(II) immobilised in a pillared layered double hydroxide. <i>Journal of Molecular Catalysis A</i> , 2009, 312, 23-30.	4.8	30
95	Immobilisation of rhodium acetonitrile complexes in ordered mesoporous silica. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 3098-3105.	2.8	29
96	Direct oxidation of dry methane on nanocrystalline Ce _{0.8} Gd _{0.2} O ₂ -Pt anodes. <i>Catalysis Communications</i> , 2003, 4, 477-483.	3.3	29
97	Synthesis and catalytic properties in olefin epoxidation of chiral oxazoline dioxomolybdenum(VI) complexes. <i>Journal of Molecular Catalysis A</i> , 2006, 260, 11-18.	4.8	28
98	Metatungstate and tungstoniobate-containing LDHs: Preparation, characterisation and activity in epoxidation of cyclooctene. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 1872-1880.	4.0	28
99	Grafting of Molecularly Ordered Mesoporous Phenylene-Silica with Molybdenum Carbonyl Complexes: Efficient Heterogeneous Catalysts for the Epoxidation of Olefins. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1759-1769.	4.3	28
100	Molybdenum(II) Diiodo-Tricarbonyl Complexes Containing Nitrogen Donor Ligands as Catalyst Precursors for the Epoxidation of Methyl Oleate. <i>Catalysis Letters</i> , 2012, 142, 1218-1224.	2.6	27
101	Selective Adsorption of Volatile Organic Compounds in Micropore Aluminum Methylphosphonate: A Combined Molecular Simulation-Experimental Approach. <i>Langmuir</i> , 2007, 23, 7299-7305.	3.5	26
102	Oxidation of pinane over phthalocyanine complexes supported on activated carbon: Effect of the support surface treatment. <i>Carbon</i> , 2003, 41, 2793-2803.	10.3	25
103	Synthesis and characterization of a manganese(II) acetonitrile complex supported on functionalized MCM-41. <i>Microporous and Mesoporous Materials</i> , 2004, 76, 131-136.	4.4	25
104	A dinuclear oxomolybdenum(VI) complex, [Mo ₂ O ₆ (4,4'-di-tert-butyl-2,2'-bipyridine) ₂], displaying the {MoO ₂ (μ -O) ₂ MoO ₂ } ₂ core, and its use as a catalyst in olefin epoxidation. <i>Inorganic Chemistry Communication</i> , 2012, 20, 147-152.	3.9	25
105	Influence of Cyclodextrins on Catalytic Olefin Epoxidation with Metal-Carbonyl Compounds. Crystal Structure of the TRIMEB Complex with CpFe(CO) ₂ Cl. <i>Organometallics</i> , 2007, 26, 6857-6863.	2.3	24
106	Synthesis and catalytic properties of manganese(II) and oxovanadium(IV) complexes anchored to mesoporous MCM-41. <i>Microporous and Mesoporous Materials</i> , 2008, 112, 14-25.	4.4	24
107	Metal oxide-triazole hybrids as heterogeneous or reaction-induced self-separating catalysts. <i>Journal of Catalysis</i> , 2016, 340, 354-367.	6.2	24
108	Bulk and composite catalysts combining BEA topology and mesoporosity for the valorisation of furfural. <i>Catalysis Science and Technology</i> , 2016, 6, 7812-7829.	4.1	23

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109	A Lamellar Coordination Polymer with Remarkable Catalytic Activity. <i>Chemistry - A European Journal</i> , 2016, 22, 13136-13146.	3.3	23
110	Alkoxylation of camphene over silica-occluded tungstophosphoric acid. <i>Applied Catalysis A: General</i> , 2013, 451, 36-42.	4.3	22
111	Tris(pyrazolyl)methane molybdenum tricarbonyl complexes as catalyst precursors for olefin epoxidation. <i>Journal of Molecular Catalysis A</i> , 2013, 370, 64-74.	4.8	22
112	Preparation and Characterization of Organotin(IV)-Oxomolybdate Coordination Polymers and Their Use in Sulfoxidation Catalysis. <i>Chemistry - A European Journal</i> , 2003, 9, 2685-2695.	3.3	21
113	Intercalation of a molybdenum η^3 -allyl dicarbonyl complex in a layered double hydroxide and catalytic performance in olefinepoxidation. <i>Dalton Transactions</i> , 2013, 42, 8231-8240.	3.3	21
114	Detecting Proton Transfer in CO_2 Species Chemisorbed on Amine-Modified Mesoporous Silicas by Using ^{13}C -NMR Chemical Shift Anisotropy and Smart Control of Amine Surface Density. <i>Chemistry - A European Journal</i> , 2018, 24, 10136-10145.	3.3	21
115	Synthesis and characterisation of a $\text{Ru}(\text{I})[\text{14}]\text{aneS}_4$ complex immobilised in MCM-41-type mesoporous silica. <i>Dalton Transactions RSC</i> , 2001, , 1628-1633.	2.3	20
116	Molybdenum(VI) oxides bearing 1,4,7-triazacyclononane and 1,1,1-tris(aminomethyl)ethane ligands: Synthesis and catalytic applications. <i>Journal of Molecular Catalysis A</i> , 2006, 249, 166-171.	4.8	20
117	MCM-41 Derivatized with Pyridyl Groups and Its Use as a Support for Luminescent Europium(III) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 3786-3795.	2.0	20
118	Performance of tubular $\text{SrFe}(\text{Al})\text{O}_3/\text{SrAl}_2\text{O}_4$ composite membranes in CO_2 - and CH_4 -containing atmospheres. <i>Journal of Membrane Science</i> , 2008, 319, 141-148.	8.2	20
119	Epoxidation of olefins using a dichlorodioxomolybdenum(VI)-pyridylimine complex as catalyst. <i>Inorganica Chimica Acta</i> , 2012, 387, 234-239.	2.4	20
120	Application of the novel ETS-10/water pair in cyclic adsorption heating processes: Measurement of equilibrium and kinetics properties and simulation studies. <i>Applied Thermal Engineering</i> , 2015, 87, 412-423.	6.0	20
121	Triazolyl, Imidazolyl, and Carboxylic Acid Moieties in the Design of Molybdenum Trioxide Hybrids: Photophysical and Catalytic Behavior. <i>Inorganic Chemistry</i> , 2017, 56, 4380-4394.	4.0	20
122	TUD-1 type aluminosilicate acid catalysts for 1-butene oligomerisation. <i>Fuel</i> , 2017, 209, 371-382.	6.4	20
123	Adsorption heat pump optimization by experimental design and response surface methodology. <i>Applied Thermal Engineering</i> , 2018, 138, 849-860.	6.0	20
124	Hydrothermal Synthesis and Characterisation of Two Novel Large-Pore Framework Vanadium Silicates. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 1175-1180.	2.0	19
125	Catalytic Properties of the Dioxomolybdenum Siloxide $\text{MoO}_2(\text{OSiPh}_3)_2$ and its 2,2'-Bipyridine Adduct $\text{MoO}_2(\text{OSiPh}_3)_2(\text{bpy})$. <i>Molecules</i> , 2006, 11, 298-308.	3.8	19
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