

Martyn Pillinger

List of Publications by Year in Descending Order

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

248
papers

8,412
citations

52
h-index

77
g-index

255
ext. papers

8,885
ext. citations

4.3
avg, IF

5.7
L-index

#	Paper	IF	Citations
248	Renewable bio-based routes to γ -valerolactone in the presence of hafnium nanocrystalline or hierarchical microcrystalline zeotype catalysts. <i>Journal of Catalysis</i> , 2022 , 406, 56-71	7.3	2
247	Dichloro and dimethyl dioxomolybdenum(VI)-bipyridine complexes as catalysts for oxidative desulfurization of dibenzothiophene derivatives under extractive conditions. <i>Journal of Organometallic Chemistry</i> , 2022 , 967, 122336	2.3	1
246	Selective isomerization of α -pinene oxide to campholenic aldehyde by ionic liquid-supported indenyl-molybdenum(II)-bipyridine complexes. <i>Journal of Organometallic Chemistry</i> , 2022 , 970-971, 122372	2.3	2
245	A 5-(2-Pyridyl)tetrazolate Complex of Molybdenum(VI), Its Structure, and Transformation to a Molybdenum Oxide-Based Hybrid Heterogeneous Catalyst for the Epoxidation of Olefins. <i>Catalysts</i> , 2021 , 11, 1407	4	2
244	Epoxidation catalysts prepared by encapsulation of molybdenum hexacarbonyl in UiO-66(Zr/Hf)-type metal-organic frameworks. <i>Microporous and Mesoporous Materials</i> , 2021 , 111603	5.3	0
243	Tuning the Behavior of a Hydrotalcite-Supported Sulfonated Bithiophene from Aggregation-Caused Quenching to Efficient Monomer Luminescence. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 8294-8303	3.8	1
242	A hafnium-based metal-organic framework for the entrapment of molybdenum hexacarbonyl and the light-responsive release of the gasotransmitter carbon monoxide. <i>Materials Science and Engineering C</i> , 2021 , 124, 112053	8.3	3
241	Hydrophobic/Hydrophilic Interplay in 1,2,4-Triazole- or Carboxylate-Based Molybdenum(VI) Oxide Hybrids: A Step Toward Development of Reaction-Induced Self-Separating Catalysts. <i>ChemCatChem</i> , 2021 , 13, 3090-3098	5.2	1
240	Catalytic isomerization of d-glucose to d-fructose over BEA base zeotypes using different energy supply methods. <i>Catalysis Today</i> , 2021 , 362, 162-174	5.3	9
239	A silicododecamolybdate/pyridinium-tetrazole hybrid molecular salt as a catalyst for the epoxidation of bio-derived olefins. <i>Inorganica Chimica Acta</i> , 2021 , 516, 120129	2.7	3
238	Heterogeneous catalysis with an organic/inorganic hybrid based on MoO ₃ chains decorated with 2,2'-biimidazole ligands. <i>Catalysis Science and Technology</i> , 2021 , 11, 2214-2228	5.5	3
237	Intercalation of β -Pentamethylcyclopentadienyltrioxomolybdenum(VI) in a Layered Double Hydroxide. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 2408-2416	2.3	1
236	Desulfurization and Denitrogenation Processes to Treat Diesel Using Mo(VI)-Bipyridine Catalysts. <i>Chemical Engineering and Technology</i> , 2020 , 43, 1774-1783	2	5
235	One-Pot Intercalation Strategy for the Encapsulation of a CO-Releasing Organometallic Molecule in a Layered Double Hydroxide. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 2726-2736	2.3	3
234	Desulfurization of model and real fuels by extraction and oxidation processes using an indenylmolybdenum tricarbonyl pre-catalyst. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5490	3.1	4
233	Evaluation of the supramolecular interaction of Congo red with cucurbiturils using mass spectrometry and spectroscopic methods. <i>New Journal of Chemistry</i> , 2020 , 44, 2587-2596	3.6	3
232	Desulfurization of diesel by extraction coupled with Mo-catalyzed sulfoxidation in polyethylene glycol-based deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2020 , 309, 113093	6	12

231	Oxidation of sulfides in aqueous media catalyzed by pyrazole-oxidoperoxido-molybdenum(VI) complexes. <i>Inorganica Chimica Acta</i> , 2020 , 511, 119814	2.7	
230	A sustainable peroxophosphomolybdate/H ₂ O ₂ system for the oxidative removal of organosulfur compounds from simulated and real high-sulfur diesels. <i>Applied Catalysis A: General</i> , 2020 , 589, 117154	5.1	13
229	Optimized preparation and regeneration of MFI type base catalysts for D-glucose isomerization in water. <i>Catalysis Science and Technology</i> , 2020 , 10, 3232-3246	5.5	7
228	Dichlorodioxomolybdenum(VI) complexes bearing oxygen-donor ligands as catalysts for oxidative desulfurization of simulated and real diesel. <i>Catalysis Communications</i> , 2019 , 128, 105704	3.2	8
227	Mesoporous nanosilica-supported polyoxomolybdate as catalysts for sustainable desulfurization. <i>Microporous and Mesoporous Materials</i> , 2019 , 275, 163-171	5.3	27
226	A hydrogen-bonded assembly of cucurbit[6]uril and [MoOCl(HO)] with catalytic efficacy for the one-pot conversion of olefins to alkoxy products. <i>Dalton Transactions</i> , 2019 , 48, 11508-11519	4.3	1
225	Efficient Isomerization of β -Pinene Oxide to Campholenic Aldehyde Promoted by a Mixed-Ring Analogue of Molybdenocene. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 13639-13645	8.3	6
224	A Molybdenum Trioxide Hybrid Decorated by 3-(1,2,4-Triazol-4-yl)adamantane-1-carboxylic Acid: A Promising Reaction-Induced Self-Separating (RISS) Catalyst. <i>Inorganic Chemistry</i> , 2019 , 58, 16424-16433	5.1	5
223	Deep oxidative desulfurization of diesel fuels using homogeneous and SBA-15-supported peroxophosphotungstate catalysts. <i>Fuel</i> , 2019 , 241, 616-624	7.1	75
222	A Comparative Study of Molybdenum Carbonyl and Oxomolybdenum Derivatives Bearing 1,2,3-Triazole or 1,2,4-Triazoles in Catalytic Olefin Epoxidation. <i>Molecules</i> , 2018 , 24,	4.8	3
221	Desulfurization of liquid fuels by extraction and sulfoxidation using H ₂ O ₂ and [CpMo(CO) ₃ R] as catalysts. <i>Applied Catalysis B: Environmental</i> , 2018 , 230, 177-183	21.8	55
220	Performance of chiral tetracarbonylmolybdenum pyridanyl amine complexes in catalytic olefin epoxidation. <i>Journal of Organometallic Chemistry</i> , 2018 , 858, 29-36	2.3	4
219	Molybdenum(0) tricarbonyl and tetracarbonyl complexes with a cationic pyrazolylpyridine ligand: synthesis, crystal structures and catalytic performance in olefin epoxidation.. <i>RSC Advances</i> , 2018 , 8, 16294-16302	3.7	6
218	A Linear Trinuclear Oxidodiperoxido-molybdenum(VI) Complex with Single Triazole Bridges: Catalytic Activity in Epoxidation, Alcoholysis, and Acetalization Reactions. <i>ChemCatChem</i> , 2018 , 10, 2782-2791	5.2	9
217	[MoO ₃ (2,2'-Bipy)] _n catalyzed oxidation of amines and sulfides. <i>Catalysis Communications</i> , 2018 , 103, 60-64	3.2	16
216	Efficient Oxidative Desulfurization Processes Using Polyoxomolybdate Based Catalysts. <i>Energies</i> , 2018 , 11, 1696	3.1	20
215	High-yield synthesis and catalytic response of chainlike hybrid materials of the [(MoO ₃) _m (2,2'-bipyridine) _n] family. <i>New Journal of Chemistry</i> , 2018 , 42, 16483-16492	3.6	4
214	One-pot hydrogen production and cascade reaction of furfural to bioproducts over bimetallic Pd-Ni TUD-1 type mesoporous catalysts. <i>Applied Catalysis B: Environmental</i> , 2018 , 237, 521-537	21.8	12

213	Interactions and Supramolecular Organization of Sulfonated Indigo and Thioindigo Dyes in Layered Hydroxide Hosts. <i>Langmuir</i> , 2018 , 34, 453-464	4	10
212	Acid-catalyzed epoxide alcoholysis in the presence of indenyl molybdenum carbonyl complexes. <i>Journal of Organometallic Chemistry</i> , 2018 , 855, 12-17	2.3	4
211	An Organotin Vanadate with Sodalite Topology and Catalytic Versatility in Oxidative Transformations. <i>ChemCatChem</i> , 2018 , 10, 3481-3489	5.2	2
210	Synthesis, structure and catalytic olefin epoxidation activity of a dinuclear oxo-bridged oxodiperoxomolybdenum(VI) complex containing coordinated 4,4'-bipyridinium. <i>Molecular Catalysis</i> , 2017 , 432, 104-114	3.3	18
209	Performance of a tetracarbonylmolybdenum(0) pyrazolylpyridine (pre)catalyst in olefin epoxidation and epoxide alcoholysis. <i>Journal of Organometallic Chemistry</i> , 2017 , 846, 185-192	2.3	8
208	Behavior of Triazolylmolybdenum(VI) Oxide Hybrids as Oxidation Catalysts with Hydrogen Peroxide. <i>Catalysis Letters</i> , 2017 , 147, 1133-1143	2.8	12
207	Chemistry and Catalytic Performance of Pyridyl-Benzimidazole Oxidomolybdenum(VI) Compounds in (Bio)Olefin Epoxidation. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 2617-2627	2.3	16
206	Insights into the Photophysics and Supramolecular Organization of Congo Red in Solution and the Solid State. <i>ChemPhysChem</i> , 2017 , 18, 564-575	3.2	15
205	TUD-1 type aluminosilicate acid catalysts for 1-butene oligomerisation. <i>Fuel</i> , 2017 , 209, 371-382	7.1	16
204	Ferrocene and ferrocenium inclusion compounds with cucurbiturils: a study of metal atom dynamics probed by Mössbauer spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 21548-21555 ^{3.6}		7
203	MFI Acid Catalysts with Different Crystal Sizes and Porosity for the Conversion of Furanic Compounds in Alcohol Media. <i>ChemCatChem</i> , 2017 , 9, 2747-2759	5.2	13
202	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 ^{21.8}		77
201	Zinc-Substituted Polyoxotungstate@amino-MIL-101(Al) [An Efficient Catalyst for the Sustainable Desulfurization of Model and Real Diesels. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 5114-5122 ^{2.3}		41
200	Metal oxide-triazole hybrids as heterogeneous or reaction-induced self-separating catalysts. <i>Journal of Catalysis</i> , 2016 , 340, 354-367	7.3	15
199	Catalytic Application of an Octamolybdate Salt (H ₃ biim) ₄ [Mo ₈ O ₂₆] in Olefin Epoxidation (H ₂ biim = 2,2'-biimidazole). <i>Catalysis Letters</i> , 2016 , 146, 841-850	2.8	10
198	Catalytic alcoholysis of epoxides using metal-free cucurbituril-based solids. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 3873-7	3.9	13
197	Oxidomolybdenum complexes for acid catalysis using alcohols as solvents and reactants. <i>Catalysis Science and Technology</i> , 2016 , 6, 5207-5218	5.5	9
196	Bulk and composite catalysts combining BEA topology and mesoporosity for the valorisation of furfural. <i>Catalysis Science and Technology</i> , 2016 , 6, 7812-7829	5.5	20

195	Solid-state study of the structure and host-guest chemistry of cucurbituril-ferrocene inclusion complexes. <i>Dalton Transactions</i> , 2016 , 45, 17042-17052	4.3	7
194	A recyclable ionic liquid-oxomolybdenum(vi) catalytic system for the oxidative desulfurization of model and real diesel fuel. <i>Dalton Transactions</i> , 2016 , 45, 15242-8	4.3	30
193	Catalytic isomerisation of Pinene oxide in the presence of ETS-10 supported ferrocenium ions. <i>Journal of Organometallic Chemistry</i> , 2015 , 791, 66-71	2.3	6
192	Crystal Structure and Catalytic Behavior in Olefin Epoxidation of a One-Dimensional Tungsten Oxide/Bipyridine Hybrid. <i>Inorganic Chemistry</i> , 2015 , 54, 9690-703	5.1	14
191	Dichlorodioxomolybdenum(VI) complexes bearing oxygen-donor ligands as olefin epoxidation catalysts. <i>Dalton Transactions</i> , 2015 , 44, 14139-48	4.3	23
190	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	7.3	102
189	Controlling the fluorescence behavior of 1-pyrenesulfonate by cointercalation with a surfactant in a layered double hydroxide. <i>Langmuir</i> , 2015 , 31, 4769-78	4	21
188	Ring-opening of epoxides promoted by organomolybdenum complexes of the type [(β -C ₅ H ₄ R)Mo(CO) ₂ (β -C ₃ H ₅)] and [(β -C ₅ H ₅)Mo(CO) ₃ (CH ₂ R)]. <i>Journal of Organometallic Chemistry</i> , 2015 , 799-800, 179-183	2.3	11
187	Desulfurization of model diesel by extraction/oxidation using a zinc-substituted polyoxometalate as catalyst under homogeneous and heterogeneous (MIL-101(Cr) encapsulated) conditions. <i>Fuel Processing Technology</i> , 2015 , 131, 78-86	7.2	114
186	Crystal structure and temperature-dependent luminescence of a heterotetranuclear sodium-europium(III) β -diketonate complex. <i>Dalton Transactions</i> , 2015 , 44, 488-92	4.3	32
185	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	5.3	31
184	An Indigo Carmine-Based Hybrid Nanocomposite with Supramolecular Control of Dye Aggregation and Photobehavior. <i>Chemistry - A European Journal</i> , 2015 , 21, 12069-78	4.8	11
183	Promotion of phosphoester hydrolysis by the Zr ^{IV} -based metal-organic framework UiO-67. <i>Microporous and Mesoporous Materials</i> , 2015 , 208, 21-29	5.3	31
182	Sulfonated graphene oxide as effective catalyst for conversion of 5-(hydroxymethyl)-2-furfural into biofuels. <i>ChemSusChem</i> , 2014 , 7, 804-12	8.3	75
181	Crystal Structure and Spectroscopic Studies of a Dimeric Europium(III) β -Diketonate Complex Containing [3-(2-Pyridyl)-1-pyrazolyl]acetate. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 1284-1288	2.3	5
180	Catalytic olefin epoxidation with a carboxylic acid-functionalized cyclopentadienyl molybdenum tricarbonyl complex. <i>Journal of Organometallic Chemistry</i> , 2014 , 760, 205-211	2.3	11
179	Investigation of a dichlorodioxomolybdenum(VI)-pyrazolylpyridine complex and a hybrid derivative as catalysts in olefin epoxidation. <i>Dalton Transactions</i> , 2014 , 43, 6059-69	4.3	28
178	Solid acids with SO ₃ H groups and tunable surface properties: versatile catalysts for biomass conversion. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 11813-11824	13	85

177	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	5.1	29
176	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, 2652-65	5.1	35
175	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	10	53
174	Application of an indenyl molybdenum dicarbonyl complex in the isomerisation of α -pinene oxide to campholenic aldehyde. <i>New Journal of Chemistry</i> , 2014 , 38, 3172	3.6	9
173	Use of Organomolybdenum Compounds for Promoted Hydrolysis of Phosphoester Bonds in Aqueous Media. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 3681-3689	2.3	5
172	Synthesis, Characterisation and Antiproliferative Studies of Allyl(dicarbonyl)(cyclopentadienyl)molybdenum Complexes and Cyclodextrin Inclusion Compounds. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 5034-5045	2.3	8
171	Promotion of phosphoester hydrolysis by MoO ₂ Cl ₂ L (L = bipyridine derivatives, H ₂ O, no ligand), MoO ₂ (CH ₃) ₂ L (L = bipyridine derivatives) and related inorganic-organic hybrids in aqueous media. <i>Journal of Organometallic Chemistry</i> , 2014 , 760, 42-47	2.3	5
170	Post-synthetic modification of crystal-like periodic mesoporous phenylene-silica with ferrocenyl groups. <i>Journal of Organometallic Chemistry</i> , 2014 , 751, 501-507	2.3	10
169	Isomerization of α -pinene oxide in the presence of methyltrioxorhenium(VII). <i>Catalysis Communications</i> , 2013 , 35, 40-44	3.2	9
168	Preparation of crystal-like periodic mesoporous phenylene-silica derivatized with ferrocene and its use as a catalyst for the oxidation of styrene. <i>Dalton Transactions</i> , 2013 , 42, 14612-20	4.3	5
167	Conversion of furfuryl alcohol to ethyl levulinate using porous aluminosilicate acid catalysts. <i>Catalysis Today</i> , 2013 , 218-219, 76-84	5.3	101
166	Hydrothermal synthesis, crystal structure, and catalytic potential of a one-dimensional molybdenum oxide/bipyridinedicarboxylate hybrid. <i>Inorganic Chemistry</i> , 2013 , 52, 4618-28	5.1	35
165	Production of biomass-derived furanic ethers and levulinate esters using heterogeneous acid catalysts. <i>Green Chemistry</i> , 2013 , 15, 3367	10	81
164	Catalytic oxidative desulfurization systems based on Keggin phosphotungstate and metal-organic framework MIL-101. <i>Fuel Processing Technology</i> , 2013 , 116, 350-357	7.2	138
163	Synthesis and characterization of CpMo(CO) ₃ (CH ₂) ₆ C ₆ H ₄ (O ₂ CH ₃) and its inclusion compounds with methylated cyclodextrins. Applications in olefin epoxidation catalysis. <i>Journal of Organometallic Chemistry</i> , 2013 , 730, 116-122	2.3	5
162	Bis(pyrazolyl)methanetetra-carbonyl-molybdenum(0) as precursor to a molybdenum(VI) catalyst for olefin epoxidation. <i>Journal of Organometallic Chemistry</i> , 2013 , 723, 56-64	2.3	22
161	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	14.7	30
160	Intercalation of a molybdenum(0)-tetra-carbonyl-bipyridine complex in a layered double hydroxide. <i>Journal of Organometallic Chemistry</i> , 2013 , 744, 53-59	2.3	10

159	Intercalation of a molybdenum β -allyl dicarbonyl complex in a layered double hydroxide and catalytic performance in olefin epoxidation. <i>Dalton Transactions</i> , 2013 , 42, 8231-8240	4.3	19
158	Tris(pyrazolyl)methane molybdenum tricarbonyl complexes as catalyst precursors for olefin epoxidation. <i>Journal of Molecular Catalysis A</i> , 2013 , 370, 64-74		19
157	A dinuclear oxo-bridged molybdenum(VI) complex containing a bidentate pyrazolylpyridine ligand: Structure, characterization and catalytic performance for olefin epoxidation. <i>Inorganic Chemistry Communication</i> , 2013 , 32, 59-63	3.1	13
156	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	3.7	40
155	Use of MoO ₂ Cl ₂ (DMF) ₂ as a precursor for molybdate promoted hydrolysis of phosphoester bonds. <i>Dalton Transactions</i> , 2013 , 42, 3901-7	4.3	11
154	A dinuclear oxomolybdenum(VI) complex, [Mo ₂ O ₆ (4,4'-di-tert-butyl-2,2'-bipyridine) ₂], displaying the {MoO ₂ (EO) ₂ MoO ₂ } ₀ core, and its use as a catalyst in olefin epoxidation. <i>Inorganic Chemistry Communication</i> , 2012 , 20, 147-152	3.1	24
153	Molybdenum(VI) catalysts obtained from β -allyl dicarbonyl precursors: synthesis, characterization and catalytic performance in cyclooctene epoxidation. <i>Dalton Transactions</i> , 2012 , 41, 3474-84	4.3	43
152	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	2.8	25
151	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	5.3	35
150	Coupling of nanoporous chromium, aluminium-containing silicates with an ionic liquid for the transformation of glucose into 5-(hydroxymethyl)-2-furaldehyde. <i>Molecules</i> , 2012 , 17, 3690-707	4.8	5
149	A novel dinuclear MoVI complex with tris(3,5-dimethyl-1H-pyrazol-1-yl)methane. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2012 , 68, m73-5		1
148	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, 3666-76	5.1	42
147	Synthesis, structural elucidation, and application of a pyrazolylpyridine-molybdenum oxide composite as a heterogeneous catalyst for olefin epoxidation. <i>Inorganic Chemistry</i> , 2012 , 51, 8629-35	5.1	28
146	Isomerisation of β -pinene oxide in the presence of indenyl allyl dicarbonyl molybdenum(II) and tungsten(II) complexes. <i>Catalysis Communications</i> , 2012 , 23, 58-61	3.2	13
145	Epoxidation of olefins using a dichlorodioxomolybdenum(VI)-pyridylimine complex as catalyst. <i>Inorganica Chimica Acta</i> , 2012 , 387, 234-239	2.7	20
144	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	5.1	84
143	Epoxidation of DL-limonene using an indenyl molybdenum(II) tricarbonyl complex as catalyst precursor. <i>Catalysis Communications</i> , 2011 , 15, 64-67	3.2	13
142	Chemistry and catalytic activity of molybdenum(VI)-pyrazolylpyridine complexes in olefin epoxidation. Crystal structures of monomeric dioxo, dioxo- β -oxo, and oxodiperoxo derivatives. <i>Inorganic Chemistry</i> , 2011 , 50, 525-38	5.1	47

141	Synthesis and catalytic properties of molybdenum(VI) complexes with tris(3,5-dimethyl-1-pyrazolyl)methane. <i>Inorganic Chemistry</i> , 2011 , 50, 3490-500	5.1	42
140	Epoxidation of cyclooctene using soluble or MCM-41-supported molybdenum tetracarbonylpyridylimine complexes as catalyst precursors. <i>Journal of Organometallic Chemistry</i> , 2011 , 696, 3543-3550	2.3	30
139	Molybdenum oxide/bipyridine hybrid material $\{[\text{MoO}_3(\text{bipy})][\text{MoO}_3(\text{H}_2\text{O})]\}_n$ as catalyst for the oxidation of secondary amines to nitrones. <i>Tetrahedron Letters</i> , 2011 , 52, 7079-7082	2	27
138	Ionic Liquids as Tools for the Acid-Catalyzed Hydrolysis/Dehydration of Saccharides to Furanic Aldehydes. <i>ChemCatChem</i> , 2011 , 3, 1686-1706	5.2	52
137	Oxidation of Ethylbenzene in the Presence of an MCM-41-Supported or Ionic Liquid-Standing Bischlorocopper(II) Complex. <i>Catalysis Letters</i> , 2011 , 141, 1009-1017	2.8	11
136	Structural Studies and Cytotoxicity of Trimethyl(ferrocenylmethyl)ammonium Iodide Encapsulated in β -Cyclodextrin. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 4955-4963	2.3	8
135	Heterogeneous oxidation catalysts formed in situ from molybdenum tetracarbonyl complexes and tert-butyl hydroperoxide. <i>Applied Catalysis A: General</i> , 2011 , 395, 71-77	5.1	33
134	Tetra-pyridinium tetraxido-di-tetrakis-bis-[chloridodioxidomolybdate(VI)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, m1005-6		1
133	Furfural and Furfural-Based Industrial Chemicals 2010 , 165-186		9
132	Synthesis, structure, and catalytic performance in cyclooctene epoxidation of a molybdenum oxide/bipyridine hybrid material: $\{[\text{MoO}_3(\text{bipy})][\text{MoO}_3(\text{H}_2\text{O})]\}_n$. <i>Inorganic Chemistry</i> , 2010 , 49, 6865-73	5.1	53
131	Picosecond dynamics of dimer formation in a pyrene labeled polymer. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 12439-47	3.4	30
130	Acid-catalysed conversion of saccharides into furanic aldehydes in the presence of three-dimensional mesoporous Al-TUD-1. <i>Molecules</i> , 2010 , 15, 3863-77	4.8	71
129	Investigation of Molybdenum Tetracarbonyl Complexes As Precursors to MoVI Catalysts for the Epoxidation of Olefins. <i>Organometallics</i> , 2010 , 29, 883-892	3.8	53
128	Synthesis and characterisation of mesoporous silica phases containing heteroatoms, and their cation exchange properties. Part 4. Measurement of distribution coefficients for 241-Am, 51-Cr, 59-Fe, 54-Mn, 63-Ni, 236-Pu and 65-Zn. <i>Microporous and Mesoporous Materials</i> , 2010 , 130, 63-66	5.3	3
127	Dehydration of Xylose into Furfural in the Presence of Crystalline Microporous Silicoaluminophosphates. <i>Catalysis Letters</i> , 2010 , 135, 41-47	2.8	98
126	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	5.6	26
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