

Carla D Nunes

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.

75
papers

1,788
citations

26
h-index

39
g-index

79
ext. papers

1,886
ext. citations

4.5
avg, IF

4.52
L-index

#	Paper	IF	Citations
75	Selective and Efficient Olefin Epoxidation by Robust Magnetic Mo Nanocatalysts. <i>Catalysts</i> , 2021 , 11, 380	4	1
74	New heptacoordinate tungsten(II) complexes with β -diimine ligands in the catalytic oxidation of multifunctional olefins. <i>Inorganica Chimica Acta</i> , 2021 , 519, 120263	2.7	0
73	Nitroarene and dye reduction with 2:1 Co/Al layered double hydroxide catalysts [Is gold still necessary?]. <i>Inorganica Chimica Acta</i> , 2021 , 521, 120336	2.7	0
72	Substrate/Solvent Crosstalk Effects on Reaction Kinetics and Product Selectivity in Olefin Oxidation Catalysis. <i>Chemistry</i> , 2021 , 3, 753-764	2.1	0
71	Selective Catalytic Oxidation of Benzyl Alcohol by MoO ₂ Nanoparticles. <i>Catalysts</i> , 2020 , 10, 265	4	5
70	Zinc biomimetic catalysts for epoxidation of olefins with H ₂ O ₂ . <i>Applied Clay Science</i> , 2020 , 190, 105562	5.2	6
69	Probing the relevance of MoO nanoparticles synthesis on their catalytic activity by inelastic neutron scattering. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 896-904	3.6	3
68	Novel approach to synthesise MoO ₃ -TiO ₂ nanocomposites for the photo-assisted oxidation of benzyl alcohol to benzaldehyde. <i>Inorganic Chemistry Communication</i> , 2020 , 119, 108099	3.1	9
67	Molybdenum(II) complexes with p-substituted BIAN ligands: synthesis, characterization, biological activity and computational study. <i>Dalton Transactions</i> , 2019 , 48, 8449-8463	4.3	7
66	New Molybdenum(II) Complexes with β -Diimine Ligands: Synthesis, Structure, and Catalytic Activity in Olefin Epoxidation. <i>Molecules</i> , 2019 , 24,	4.8	4
65	Catalytic performance of bulk and colloidal Co/Al layered double hydroxide with Au nanoparticles in aerobic olefin oxidation. <i>Applied Catalysis A: General</i> , 2019 , 584, 117155	5.1	10
64	Synthesis and catalytic activity of Mo(II) complexes of β -diimines intercalated in layered double hydroxides. <i>Inorganica Chimica Acta</i> , 2019 , 486, 274-282	2.7	6
63	Exploring bulk and colloidal Mg/Al hydrotalcite/Au nanoparticles hybrid materials in aerobic olefin epoxidation. <i>Journal of Catalysis</i> , 2018 , 358, 187-198	7.3	16
62	Solventless Olefin Epoxidation Using a Mo-Loaded Sisal Derived Acid-Char Catalyst. <i>ChemistrySelect</i> , 2018 , 3, 10357-10363	1.8	1
61	Molybdenum(II) Complexes with β -Diimines: Catalytic Activity in Organic and Ionic Liquid Solvents. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 3922-3932	2.3	3
60	Synthesis of Co/Al layered double hydroxide nanoclusters as reduction nanocatalyst in aqueous media. <i>Journal of Asian Ceramic Societies</i> , 2017 , 5, 466-471	2.4	10
59	Titanate nanofibers sensitized with ZnS and Ag ₂ S nanoparticles as novel photocatalysts for phenol removal. <i>Applied Catalysis B: Environmental</i> , 2017 , 218, 709-720	21.8	42

58	New heterogeneous catalysts with Mo(II) intercalated in layered double hydroxides. <i>Inorganica Chimica Acta</i> , 2017 , 455, 483-488	2.7	7
57	Novel titanate nanotubes-cyanocobalamin materials: Synthesis and enhanced photocatalytic properties for pollutants removal. <i>Solid State Sciences</i> , 2017 , 63, 30-41	3.4	18
56	Helical Materials with Chiral Mo(II) Catalysts. <i>Topics in Catalysis</i> , 2016 , 59, 1237-1248	2.3	4
55	Catalytic Application of Fe-doped MoO ₂ Tremella-Like Nanosheets. <i>Topics in Catalysis</i> , 2016 , 59, 1123-1131	3.1	11
54	Porous materials as delivery and protective agents for Vitamin A. <i>RSC Advances</i> , 2016 , 6, 66495-66504	3.7	6
53	Titanate nanotubes sensitized with silver nanoparticles: Synthesis, characterization and in-situ pollutants photodegradation. <i>Applied Surface Science</i> , 2016 , 385, 18-27	6.7	13
52	Looking inside the pores of a MCM-41 based Mo heterogeneous styrene oxidation catalyst: an inelastic neutron scattering study. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 17272-80	3.6	10
51	Layered Double Hydroxide Nanoclusters: Aqueous, Concentrated, Stable, and Catalytically Active Colloids toward Green Chemistry. <i>ACS Nano</i> , 2016 , 10, 5550-9	16.7	67
50	Highly selective and recyclable MoO ₃ nanoparticles in epoxidation catalysis. <i>Applied Catalysis A: General</i> , 2015 , 504, 344-350	5.1	40
49	MoO ₂ nanoparticles as highly efficient olefin epoxidation catalysts. <i>Applied Catalysis A: General</i> , 2015 , 504, 399-407	5.1	28
48	Molybdenum(II) catalyst precursors in olefin oxidation reactions. <i>Inorganica Chimica Acta</i> , 2015 , 431, 122-131	2.7	12
47	Helical Channel Mesoporous Materials with Embedded Magnetic Iron Nanoparticles: Chiral Recognition and Implications in Asymmetric Olefin Epoxidation. <i>Advanced Synthesis and Catalysis</i> , 2015 , 357, 3127-3140	5.6	11
46	Pore size matters! Helical heterogeneous catalysts in olefin oxidation. <i>Applied Catalysis A: General</i> , 2015 , 504, 328-337	5.1	6
45	Vanadyl cationic complexes as catalysts in olefin oxidation. <i>Dalton Transactions</i> , 2015 , 44, 5125-38	4.3	40
44	Organometallic Mo complex anchored to magnetic iron oxide nanoparticles as highly recyclable epoxidation catalyst. <i>Journal of Organometallic Chemistry</i> , 2014 , 760, 2-10	2.3	39
43	Highly enantioselective olefin epoxidation controlled by helical confined environments. <i>Journal of Catalysis</i> , 2014 , 309, 21-32	7.3	38
42	Advantageous delivery of nifedipine from inorganic materials showing increased solubility and biocompatibility. <i>Microporous and Mesoporous Materials</i> , 2014 , 183, 192-200	5.3	16
41	Colourless aegirine in metamorphic rocks from Bayan Obo (Inner Mongolia): lack of charge transfer transitions as possible explanation. <i>European Journal of Mineralogy</i> , 2014 , 25, 987-993	2.2	2

40	Modelling the luminescence of extended solids: an example of a highly luminescent MCM-41 impregnated with a Eu ³⁺ βdiketonate complex. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 9701-9711	7.1	16
39	Synthesis, characterization and cytotoxicity of cyclopentadienyl ruthenium(II) complexes containing carbohydrate-derived ligands. <i>Journal of Organometallic Chemistry</i> , 2014 , 760, 240-247	2.3	22
38	New Mo(II) complexes in MCM-41 and silica: Synthesis and catalysis. <i>Journal of Organometallic Chemistry</i> , 2014 , 751, 443-452	2.3	12
37	Mo(II) complexes of 8-aminoquinoline and their immobilization in MCM-41. <i>Applied Catalysis A: General</i> , 2013 , 455, 172-182	5.1	12
36	Pulsed current electrodeposition of ZnAg ₂ S/TiO ₂ nanocomposite films as potential photoelectrodes. <i>Journal of Solid State Electrochemistry</i> , 2013 , 17, 2349-2359	2.6	5
35	Marine sponge melanin: a new source of an old biopolymer. <i>Structural Chemistry</i> , 2012 , 23, 115-122	1.8	17
34	An Oligosilsesquioxane Cage Functionalized with Molybdenum(II) Organometallic Fragments. <i>Organometallics</i> , 2012 , 31, 4495-4503	3.8	27
33	Photocatalytic degradation of rhodamine B using Mo heterogeneous catalysts under aerobic conditions. <i>Applied Catalysis B: Environmental</i> , 2012 , 113-114, 180-191	21.8	33
32	The Versatility of Immobilized Mo Complexes in Organic Transformations - Epoxidation and Metathesis Reactions. <i>Current Organic Chemistry</i> , 2012 , 16, 89-114	1.7	12
31	Clays in Organic Synthesis [Preparation and Catalytic Applications. <i>Current Organic Synthesis</i> , 2012 , 9, 670-694	1.9	18
30	Performance evaluation of mesoporous host materials in olefin epoxidation using Mo(II) and Mo(VI) active species [Inorganic vs. hybrid matrix. <i>Applied Catalysis A: General</i> , 2011 , 408, 105-116	5.1	26
29	Pyridine Carboxylate Complexes of Mo(II) as Active Catalysts in Homogeneous and Heterogeneous Olefin Epoxidation. <i>Current Inorganic Chemistry</i> , 2011 , 1, 146-155		13
28	Tuning the Surface of Mesoporous Materials Towards Hydrophobicity-Effects in Olefin Epoxidation. <i>Current Inorganic Chemistry</i> , 2011 , 1, 156-165		8
27	A new role for layered double hydroxides hybrid materials [uptake and delivery of small molecules into the gas phase. <i>New Journal of Chemistry</i> , 2010 , 34, 541	3.6	7
26	Bio-inspired Mo(II) complexes as active catalysts in homogeneous and heterogeneous olefin epoxidation. <i>Applied Catalysis A: General</i> , 2010 , 384, 84-93	5.1	39
25	Mo(II) complexes: a new family of cytotoxic agents?. <i>Journal of Inorganic Biochemistry</i> , 2010 , 104, 1171-74.2		30
24	The effect of immobilization on the catalytic activity of molybdenum β-allyldicarbonyl complexes with nitrogen donor ligands bearing NH ₂ groups. <i>Journal of Molecular Catalysis A</i> , 2010 , 321, 92-100		18
23	Activity of Mo(II) allylic complexes supported in MCM-41 as oxidation catalysts precursors. <i>Microporous and Mesoporous Materials</i> , 2009 , 117, 670-677	5.3	22

22	Heptacoordinate tricarbonyl Mo(II) complexes as highly selective oxidation homogeneous and heterogeneous catalysts. <i>Journal of Catalysis</i> , 2008 , 256, 301-311	7.3	45
21	Synthesis and characterisation of organo-silica hydrophobic clay heterostructures for volatile organic compounds removal. <i>Microporous and Mesoporous Materials</i> , 2008 , 111, 612-619	5.3	54
20	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	5.3	21
19	Vibrational study on the local structure of post-synthesis and hybrid mesoporous materials: are there fundamental distinctions?. <i>Chemistry - A European Journal</i> , 2007 , 13, 7874-82	4.8	17
18	Pyridine Carboxylate Complexes of Mo(II) as Active Catalysts in Homogeneous and Heterogeneous Polymerization. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 2917-2925	2.3	30
17	Loading and delivery of sertraline using inorganic micro and mesoporous materials. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007 , 66, 357-65	5.7	95
16	Hydrophobic Porous Benzene-Silica Hybrid Clay Heterostructure and Its Application in the Adsorption of Volatile Organic Compounds. <i>Materials Science Forum</i> , 2006 , 514-516, 470-474	0.4	11
15	Synthesis and characterisation of hybrid mesoporous materials with the 1,4-diazobutadiene ligand. <i>Microporous and Mesoporous Materials</i> , 2006 , 95, 104-111	5.3	13
14	Hepta-coordinate halocarbonyl molybdenum(II) and tungsten(II) complexes as heterogeneous polymerization catalysts. <i>Journal of Molecular Catalysis A</i> , 2006 , 256, 90-98		29
13	Hybrid mesoporous MCM-41 type material containing 1,4-diazobutadiene chelate ligand in the walls. <i>Progress in Solid State Chemistry</i> , 2005 , 33, 163-170	8	11
12	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	2.3	68
11	Synthesis, characterization and catalytic studies of bis(chloro)dioxomolybdenum(VI)-chiral diimine complexes. <i>Journal of Molecular Catalysis A</i> , 2005 , 236, 1-6		42
10	Epoxidation of cyclooctene catalyzed by dioxomolybdenum(VI) complexes in ionic liquids. <i>Journal of Molecular Catalysis A</i> , 2004 , 218, 5-11		60
9	Dichloro and dimethyl dioxomolybdenum(VI)-diazabutadiene complexes as catalysts for the epoxidation of olefins. <i>New Journal of Chemistry</i> , 2004 , 28, 308-313	3.6	63
8	Dioxomolybdenum(VI)-Modified Mesoporous MCM-41 and MCM-48 Materials for the Catalytic Epoxidation of Olefins. <i>European Journal of Inorganic Chemistry</i> , 2003 , 2003, 3870-3877	2.3	45
7	Molecular structure-activity relationships for the oxidation of organic compounds using mesoporous silica catalysts derivatised with bis(halogeno)dioxomolybdenum(VI) complexes. <i>Chemistry - A European Journal</i> , 2003 , 9, 4380-90	4.8	64
6	Bimetallic transition metal-ruthenium(II) complexes containing bridging bipyrimidine ligands. <i>Polyhedron</i> , 2003 , 22, 2799-2807	2.7	16
5	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	3.1	41

4	Synthesis and Characterization of Methyltrioxorhenium(VII) Immobilized in Bipyridyl-Functionalized Mesoporous Silica. <i>European Journal of Inorganic Chemistry</i> , 2002 , 2002, 1100-1107	2.3	44
3	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		150
2	Immobilisation of rhodium acetonitrile complexes in ordered mesoporous silica. <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 3098-3105	3.6	29
1	Synthesis and characterisation of ruthenium(II) complexes containing ferrocenyl-derived ligands. <i>New Journal of Chemistry</i> , 2002 , 26, 1384-1388	3.6	11