

# Carla D Nunes

## List of Publications by Year in descending order

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77  
papers

2,011  
citations

201385

27  
h-index

264894

42  
g-index

79  
all docs

79  
docs citations

79  
times ranked

2288  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Loading and delivery of sertraline using inorganic micro and mesoporous materials. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007, 66, 357-365.	2.0	101
3	Layered Double Hydroxide Nanoclusters: Aqueous, Concentrated, Stable, and Catalytically Active Colloids toward Green Chemistry. <i>ACS Nano</i> , 2016, 10, 5550-5559.	7.3	89
4	Kinetics of Cyclooctene Epoxidation with tert-Butyl Hydroperoxide in the Presence of [MoO <sub>2</sub> X <sub>2</sub> L]-Type Catalysts (L = Bidentate Lewis Base). <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 1716-1723.	1.0	73
5	Dichloro and dimethyl dioxomolybdenum(vi) diazabutadiene complexes as catalysts for the epoxidation of olefins. <i>New Journal of Chemistry</i> , 2004, 28, 308-313.	1.4	68
6	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.	1.7	65
7	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
8	Synthesis and characterisation of organo-silica hydrophobic clay heterostructures for volatile organic compounds removal. <i>Microporous and Mesoporous Materials</i> , 2008, 111, 612-619.	2.2	59
9	Highly selective and recyclable MoO <sub>3</sub> nanoparticles in epoxidation catalysis. <i>Applied Catalysis A: General</i> , 2015, 504, 344-350.	2.2	49
10	Titanate nanofibers sensitized with ZnS and Ag <sub>2</sub> S nanoparticles as novel photocatalysts for phenol removal. <i>Applied Catalysis B: Environmental</i> , 2017, 218, 709-720.	10.8	49
11	Synthesis and Characterization of Methyltrioxorhenium(VII) Immobilized in Bipyridyl-Functionalized Mesoporous Silica. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 1100-1107.	1.0	48
12	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.	1.0	47
13	Vanadyl cationic complexes as catalysts in olefin oxidation. <i>Dalton Transactions</i> , 2015, 44, 5125-5138.	1.6	47
14	Heptacoordinate tricarbonyl Mo(II) complexes as highly selective oxidation homogeneous and heterogeneous catalysts. <i>Journal of Catalysis</i> , 2008, 256, 301-311.	3.1	46
15	Synthesis, characterization and catalytic studies of bis(chloro)dioxomolybdenum(VI)-chiral diimine complexes. <i>Journal of Molecular Catalysis A</i> , 2005, 236, 1-6.	4.8	45
16	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.	1.8	43
17	Organometallic Mo complex anchored to magnetic iron oxide nanoparticles as highly recyclable epoxidation catalyst. <i>Journal of Organometallic Chemistry</i> , 2014, 760, 2-10.	0.8	42
18	Bio-inspired Mo(II) complexes as active catalysts in homogeneous and heterogeneous olefin epoxidation. <i>Applied Catalysis A: General</i> , 2010, 384, 84-93.	2.2	41

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19	Highly enantioselective olefin epoxidation controlled by helical confined environments. <i>Journal of Catalysis</i> , 2014, 309, 21-32.	3.1	40
20	Photocatalytic degradation of rhodamine B using Mo heterogeneous catalysts under aerobic conditions. <i>Applied Catalysis B: Environmental</i> , 2012, 113-114, 180-191.	10.8	36
21	Mo(II) complexes: A new family of cytotoxic agents?. <i>Journal of Inorganic Biochemistry</i> , 2010, 104, 1171-1177.	1.5	34
22	MoO <sub>2</sub> nanoparticles as highly efficient olefin epoxidation catalysts. <i>Applied Catalysis A: General</i> , 2015, 504, 399-407.	2.2	32
23	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.	1.0	31
24	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
25	Immobilisation of rhodium acetonitrile complexes in ordered mesoporous silica. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 3098-3105.	1.3	29
26	An Oligosilsesquioxane Cage Functionalized with Molybdenum(II) Organometallic Fragments. <i>Organometallics</i> , 2012, 31, 4495-4503.	1.1	28
27	Performance evaluation of mesoporous host materials in olefin epoxidation using Mo(II) and Mo(VI) active species in Inorganic vs. hybrid matrix. <i>Applied Catalysis A: General</i> , 2011, 408, 105-116.	2.2	27
28	Marine sponge melanin: a new source of an old biopolymer. <i>Structural Chemistry</i> , 2012, 23, 115-122.	1.0	26
29	Synthesis, characterization and cytotoxicity of cyclopentadienyl ruthenium(II) complexes containing carbohydrate-derived ligands. <i>Journal of Organometallic Chemistry</i> , 2014, 760, 240-247.	0.8	25
30	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.	2.2	24
31	Activity of Mo(II) allylic complexes supported in MCM-41 as oxidation catalysts precursors. <i>Microporous and Mesoporous Materials</i> , 2009, 117, 670-677.	2.2	23
32	Advantageous delivery of nifedipine from inorganic materials showing increased solubility and biocompatibility. <i>Microporous and Mesoporous Materials</i> , 2014, 183, 192-200.	2.2	21
33	Novel titanate nanotubes-cyanocobalamin materials: Synthesis and enhanced photocatalytic properties for pollutants removal. <i>Solid State Sciences</i> , 2017, 63, 30-41.	1.5	21
34	Exploring bulk and colloidal Mg/Al hydrotalcite-Au nanoparticles hybrid materials in aerobic olefin epoxidation. <i>Journal of Catalysis</i> , 2018, 358, 187-198.	3.1	21
35	Modelling the luminescence of extended solids: an example of a highly luminescent MCM-41 impregnated with a Eu <sup>3+</sup> -diketonate complex. <i>Journal of Materials Chemistry C</i> , 2014, 2, 9701-9711.	2.7	20
36	Bimetallic transition metal-ruthenium(II) complexes containing bridging bipyrimidine ligands. <i>Polyhedron</i> , 2003, 22, 2799-2807.	1.0	19

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37	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, 7874-7882.	1.7	19
38	The effect of immobilization on the catalytic activity of molybdenum $\eta^3$ -allyldicarbonyl complexes with nitrogen donor ligands bearing N-H groups. <i>Journal of Molecular Catalysis A</i> , 2010, 321, 92-100.	4.8	19
39	Clays in Organic Synthesis – Preparation and Catalytic Applications. <i>Current Organic Synthesis</i> , 2012, 9, 670-694.	0.7	18
40	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.	1.0	17
41	Molybdenum complexes with <i>p</i> -substituted BIAN ligands: synthesis, characterization, biological activity and computational study. <i>Dalton Transactions</i> , 2019, 48, 8449-8463.	1.6	17
42	Titanate nanotubes sensitized with silver nanoparticles: Synthesis, characterization and in-situ pollutants photodegradation. <i>Applied Surface Science</i> , 2016, 385, 18-27.	3.1	16
43	Novel approach to synthesise MoO <sub>3</sub> -TiO <sub>2</sub> nanocomposites for the photo-assisted oxidation of benzyl alcohol to benzaldehyde. <i>Inorganic Chemistry Communication</i> , 2020, 119, 108099.	1.8	16
44	Synthesis and characterisation of hybrid mesoporous materials with the 1,4-diazobutadiene ligand. <i>Microporous and Mesoporous Materials</i> , 2006, 95, 104-111.	2.2	15
45	The Versatility of Immobilized Mo Complexes in Organic Transformations - Epoxidation and Metathesis Reactions. <i>Current Organic Chemistry</i> , 2012, 16, 89-114.	0.9	14
46	Pyridine Carboxylate Complexes of Mo(II) as Active Catalysts in Homogeneous and Heterogeneous Olefin Epoxidation. <i>Current Inorganic Chemistry</i> , 2011, 1, 146-155.	0.2	14
47	Mo(II) complexes of 8-aminoquinoline and their immobilization in MCM-41. <i>Applied Catalysis A: General</i> , 2013, 455, 172-182.	2.2	13
48	New Mo(II) complexes in MCM-41 and silica: Synthesis and catalysis. <i>Journal of Organometallic Chemistry</i> , 2014, 751, 443-452.	0.8	13
49	Molybdenum(II) catalyst precursors in olefin oxidation reactions. <i>Inorganica Chimica Acta</i> , 2015, 431, 122-131.	1.2	13
50	Synthesis and characterisation of ruthenium(ii) complexes containing ferrocenyl-derived ligands. <i>New Journal of Chemistry</i> , 2002, 26, 1384-1388.	1.4	12
51	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.	3.9	12
52	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.	2.1	12
53	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, 17272-17280.	1.3	12
54	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.	2.2	12

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55	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.	0.3	11
56	Catalytic Application of Fe-doped MoO <sub>2</sub> Tremella-Like Nanosheets. <i>Topics in Catalysis</i> , 2016, 59, 1123-1131.	1.3	11
57	Synthesis and catalytic activity of Mo(II) complexes of $\beta$ -diimines intercalated in layered double hydroxides. <i>Inorganica Chimica Acta</i> , 2019, 486, 274-282.	1.2	10
58	Porous materials as delivery and protective agents for Vitamin A. <i>RSC Advances</i> , 2016, 6, 66495-66504.	1.7	8
59	New heterogeneous catalysts with Mo(II) intercalated in layered double hydroxides. <i>Inorganica Chimica Acta</i> , 2017, 455, 483-488.	1.2	8
60	Selective Catalytic Oxidation of Benzyl Alcohol by MoO <sub>2</sub> Nanoparticles. <i>Catalysts</i> , 2020, 10, 265.	1.6	8
61	Zinc biomimetic catalysts for epoxidation of olefins with H <sub>2</sub> O <sub>2</sub> . <i>Applied Clay Science</i> , 2020, 190, 105562.	2.6	8
62	Tuning the Surface of Mesoporous Materials Towards Hydrophobicity-Effects in Olefin Epoxidation. <i>Current Inorganic Chemistry</i> , 2011, 1, 156-165.	0.2	8
63	A new role for layered double hydroxides hybrid materialsâ€™ uptake and delivery of small molecules into the gas phase. <i>New Journal of Chemistry</i> , 2010, 34, 541.	1.4	7
64	Pore size matters! Helical heterogeneous catalysts in olefin oxidation. <i>Applied Catalysis A: General</i> , 2015, 504, 328-337.	2.2	7
65	Pulsed current electrodeposition of Znâ€“Ag <sub>2</sub> S/TiO <sub>2</sub> nanocomposite films as potential photoelectrodes. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 2349-2359.	1.2	6
66	New Molybdenum(II) Complexes with $\beta$ -Diimine Ligands: Synthesis, Structure, and Catalytic Activity in Olefin Epoxidation. <i>Molecules</i> , 2019, 24, 578.	1.7	5
67	Helical Materials with Chiral Mo(II) Catalysts. <i>Topics in Catalysis</i> , 2016, 59, 1237-1248.	1.3	4
68	Molybdenum(II) Complexes with $\beta$ -Diimines: Catalytic Activity in Organic and Ionic Liquid Solvents. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3922-3932.	1.0	4
69	Probing the relevance of MoO <sub>2</sub> nanoparticlesâ€™ synthesis on their catalytic activity by inelastic neutron scattering. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 896-904.	1.3	4
70	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.	0.4	3
71	Solventless Olefin Epoxidation Using a Moâ€“Loaded Sisal Derived Acidâ€“Char Catalyst. <i>ChemistrySelect</i> , 2018, 3, 10357-10363.	0.7	3
72	Selective and Efficient Olefin Epoxidation by Robust Magnetic Mo Nanocatalysts. <i>Catalysts</i> , 2021, 11, 380.	1.6	3

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73	Substrate-Solvent Crosstalk Effects on Reaction Kinetics and Product Selectivity in Olefin Oxidation Catalysis. <i>Chemistry</i> , 2021, 3, 753-764.	0.9	3
74	New heptacoordinate tungsten(II) complexes with $\lambda^2$ -diimine ligands in the catalytic oxidation of multifunctional olefins. <i>Inorganica Chimica Acta</i> , 2021, 519, 120263.	1.2	1
75	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.	1.2	1
76	Tuning the Surface of Mesoporous Materials Towards Hydrophobicity-Effects in Olefin Epoxidation. <i>Current Inorganic Chemistry</i> , 2011, 1, 156-165.	0.2	0
77	Editorial [Hot Topic: Recent Advances in Oxidation Catalysis (Guest Editor: Carla D. Nunes)]. <i>Current Inorganic Chemistry</i> , 2011, 1, 130-130.	0.2	0