

# LuÃ -sa Mdrs Martins

## List of Publications by Year in descending order

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424  
papers

16,959  
citations

13099

68  
h-index

38395

95  
g-index

456  
all docs

456  
docs citations

456  
times ranked

9874  
citing authors

#	ARTICLE	IF	CITATIONS
1	Commercial Gold Complexes Supported on Functionalised Carbon Materials as Efficient Catalysts for the Direct Oxidation of Ethane to Acetic Acid. <i>Catalysts</i> , 2022, 12, 165.	3.5	0
2	Zeolites and Related Materials as Catalyst Supports for Hydrocarbon Oxidation Reactions. <i>Catalysts</i> , 2022, 12, 154.	3.5	19
3	Unprecedented Mechanochemical Synthesis and Heterogenization of a C-Scorpionate Au(III) Catalyst for Microwave-Assisted Biomass Valorization. <i>Nanomaterials</i> , 2022, 12, 362.	4.1	0
4	Water-soluble Al( $\eta^3$ ), Fe( $\eta^3$ ) and Cu( $\eta^2$ ) formazanates: synthesis, structure, and applications in alkane and alcohol oxidations. <i>New Journal of Chemistry</i> , 2022, 46, 5002-5011.	2.8	7
5	Diastereomeric dinickel( $\eta^2$ ) complexes with non-innocent bis(octaazamacrocyclic) ligands: isomerization, spectroelectrochemistry, DFT calculations and use in catalytic oxidation of cyclohexane. <i>Dalton Transactions</i> , 2022, 51, 5151-5167.	3.3	5
6	C-Heterogenized Re Nanoparticles as Effective Catalysts for the Reduction of 4-Nitrophenol and Oxidation of 1-Phenylethanol. <i>Catalysts</i> , 2022, 12, 285.	3.5	2
7	Heterogeneous Gold Nanoparticle-Based Catalysts for the Synthesis of Click-Derived Triazoles via the Azide-Alkyne Cycloaddition Reaction. <i>Catalysts</i> , 2022, 12, 45.	3.5	12
8	Catalytic applications of recent metal poly(1H-pyrazol-1-yl)-methane scorpionates. <i>Inorganica Chimica Acta</i> , 2022, 541, 121069.	2.4	2
9	Glycerol: The liquid support for nanocatalysts. , 2021, , 585-612.		0
10	A new amido-phosphane as ligand for copper and silver complexes. Synthesis, characterization and catalytic application for azide-alkyne cycloaddition in glycerol. <i>Dalton Transactions</i> , 2021, 50, 6109-6125.	3.3	10
11	The Catalytic Activity of Carbon-Supported Cu(I)-Phosphine Complexes for the Microwave-Assisted Synthesis of 1,2,3-Triazoles. <i>Catalysts</i> , 2021, 11, 185.	3.5	17
12	1D Zn(II) Coordination Polymers as Effective Heterogeneous Catalysts in Microwave-Assisted Single-Pot Deacetalization-Knoevenagel Tandem Reactions in Solvent-Free Conditions. <i>Catalysts</i> , 2021, 11, 90.	3.5	13
13	A novel $\eta^3$ -vanillin Fe( $\eta^3$ ) complex catalytically active in C-H oxidation: exploring the magnetic exchange interactions and spectroscopic properties with different DFT functionals. <i>Dalton Transactions</i> , 2021, 50, 14782-14796.	3.3	5
14	The importance of green chemistry metrics. , 2021, , 37-62.		2
15	Highlights of the Nanocatalysis in Organic Chemistry. <i>Catalysts</i> , 2021, 11, 213.	3.5	2
16	Pyrene Carboxylate Ligand Based Coordination Polymers for Microwave-Assisted Solvent-Free Cyanosilylation of Aldehydes. <i>Molecules</i> , 2021, 26, 1101.	3.8	8
17	Efficient and Reusable Iron Catalyst to Convert CO <sub>2</sub> into Valuable Cyclic Carbonates. <i>Molecules</i> , 2021, 26, 1089.	3.8	3
18	Selective Styrene Oxidation to Benzaldehyde over Recently Developed Heterogeneous Catalysts. <i>Molecules</i> , 2021, 26, 1680.	3.8	36

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19	Immobilization of Rh(I)-N-Xantphos and Fe(II)-C-Scorpionate onto Magnetic Nanoparticles: Reusable Catalytic System for Sequential Hydroformylation/Acetalization. <i>Catalysts</i> , 2021, 11, 608.	3.5	6
20	Oxido- and Dioxido-Vanadium(V) Complexes Supported on Carbon Materials: Reusable Catalysts for the Oxidation of Cyclohexane. <i>Nanomaterials</i> , 2021, 11, 1456.	4.1	7
21	Vanadium C-scorpionate supported on mesoporous aptes-functionalized SBA-15 as catalyst for the peroxidative oxidation of benzyl alcohol. <i>Microporous and Mesoporous Materials</i> , 2021, 320, 111111.	4.4	7
22	Unprecedented Use of NHC Gold (I) Complexes as Catalysts for the Selective Oxidation of Ethane to Acetic Acid. <i>Materials</i> , 2021, 14, 4294.	2.9	5
23	A Bio-Based Alginate Aerogel as an Ionic Liquid Support for the Efficient Synthesis of Cyclic Carbonates from CO <sub>2</sub> and Epoxides. <i>Catalysts</i> , 2021, 11, 872.	3.5	7
24	Organocatalysis Meets Hydrocarbon Oxyfunctionalization: the Role of N-Hydroxyimides. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 4715-4727.	2.4	16
25	Spectroelectrochemical Properties and Catalytic Activity in Cyclohexane Oxidation of the Hybrid Zr/Hf-Phthalocyaninate-Capped Nickel(II) and Iron(II) tris-Pyridineoximates and Their Precursors. <i>Molecules</i> , 2021, 26, 336.	3.8	5
26	An investigation of two copper( <i>ii</i> ) complexes with a triazole derivative as a ligand: magnetic and catalytic properties. <i>RSC Advances</i> , 2021, 11, 23442-23449.	3.6	16
27	Synthesis of a Novel Series of Cu(I) Complexes Bearing Alkylated 1,3,5-Triaza-7-phosphaadamantane as Homogeneous and Carbon-Supported Catalysts for the Synthesis of 1- and 2-Substituted-1,2,3-triazoles. <i>Nanomaterials</i> , 2021, 11, 2702.	4.1	15
28	Solvent-free oxidation of 1-phenylethanol catalysed by gold nanoparticles supported on carbon powder materials. <i>Catalysis Today</i> , 2020, 357, 22-31.	4.4	7
29	Commercial gold(III) complex supported on functionalized carbon materials as catalyst for cyclohexane hydrocarboxylation. <i>Catalysis Today</i> , 2020, 357, 39-45.	4.4	5
30	Styrene oxidation catalyzed by copper(II) C-scorpionates in homogenous medium and immobilized on sucrose derived hydrochars. <i>Catalysis Today</i> , 2020, 357, 56-63.	4.4	14
31	The role of nanoporous carbon materials in catalytic cyclohexane oxidation. <i>Catalysis Today</i> , 2020, 357, 46-55.	4.4	18
32	Eco-friendly cyclohexane oxidation by a V-scorpionate complex immobilized at hierarchical MOR zeolite. <i>Catalysis Today</i> , 2020, 348, 37-44.	4.4	16
33	Spin state, electronic structure and bonding on C-scorpionate [Fe(II)Cl <sub>2</sub> (tpm)] catalyst: An experimental and computational study. <i>Catalysis Today</i> , 2020, 358, 403-411.	4.4	6
34	Sustainability in Catalytic Cyclohexane Oxidation: The Contribution of Porous Support Materials. <i>Catalysts</i> , 2020, 10, 2.	3.5	16
35	Role of substituents on resonance assisted hydrogen bonding <i>vs.</i> intermolecular hydrogen bonding. <i>CrystEngComm</i> , 2020, 22, 628-633.	2.6	45
36	Supported Palladium Nanocatalysts: Recent Findings in Hydrogenation Reactions. <i>Processes</i> , 2020, 8, 1172.	2.8	6

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37	Fe@Hierarchical BEA Zeolite Catalyst for MW-Assisted Alcohol Oxidation Reaction: A Greener Approach. <i>Catalysts</i> , 2020, 10, 1029.	3.5	5
38	C-scorpionate Au(III) complexes as pre-catalysts for industrially significant toluene oxidation and benzaldehyde esterification reactions. <i>Inorganica Chimica Acta</i> , 2020, 512, 119881.	2.4	9
39	Nickel(II), Copper(II) and Palladium(II) Complexes with Bis-Semicarbazide Hexaazamacrocycles: Redox-Noninnocent Behavior and Catalytic Activity in Oxidation and C-C Coupling Reactions. <i>Inorganic Chemistry</i> , 2020, 59, 10650-10664.	4.0	5
40	Mechanochemical and Conventional Synthesis of Copper(II) Coordination Polymers Bearing Arylhydrazone of Acetoacetanilide and Their Catalytic Activity in Conversion of Acetone to Acetic Acid. <i>ChemistrySelect</i> , 2020, 5, 7923-7927.	1.5	7
41	Water-Soluble O-, S- and Se-Functionalized Cyclic Acetyl-triaza-phosphines. Synthesis, Characterization and Application in Catalytic Azide-alkyne Cycloaddition. <i>Molecules</i> , 2020, 25, 5479.	3.8	11
42	Mechanochemical Preparation of Pd(II) and Pt(II) Composites with Carbonaceous Materials and Their Application in the Suzuki-Miyaura Reaction at Several Energy Inputs. <i>Molecules</i> , 2020, 25, 2951.	3.8	5
43	Versatility of Amide-Functionalized Co(II) and Ni(II) Coordination Polymers: From Thermochromic-Triggered Structural Transformations to Supercapacitors and Electrocatalysts for Water Splitting. <i>Inorganic Chemistry</i> , 2020, 59, 16301-16318.	4.0	19
44	A mechanistic insight into the rapid and selective removal of Congo Red by an amide functionalised Zn(ii) coordination polymer. <i>Dalton Transactions</i> , 2020, 49, 12970-12984.	3.3	12
45	Adipic Acid Route: Oxidation of Cyclohexene vs. Cyclohexane. <i>Catalysts</i> , 2020, 10, 1443.	3.5	11
46	Application of Ionic Liquids in Electrochemistry—Recent Advances. <i>Molecules</i> , 2020, 25, 5812.	3.8	83
47	Glycerol Role in Nano Oxides Synthesis and Catalysis. <i>Catalysts</i> , 2020, 10, 1406.	3.5	9
48	New Trends in C-C Cross-Coupling Reactions: The Use of Unconventional Conditions. <i>Molecules</i> , 2020, 25, 5506.	3.8	27
49	Selective Oxidation of Ethane to Acetic Acid Catalyzed by a C-Scorpionate Iron(II) Complex: A Homogeneous vs. Heterogeneous Comparison. <i>Molecules</i> , 2020, 25, 5642.	3.8	5
50	Fe(III) Complexes in Cyclohexane Oxidation: Comparison of Catalytic Activities under Different Energy Stimuli. <i>Catalysts</i> , 2020, 10, 1175.	3.5	4
51	Catalytic Performance of a Magnetic Core-Shell Iron(II) C-Scorpionate under Unconventional Oxidation Conditions. <i>Nanomaterials</i> , 2020, 10, 2111.	4.1	7
52	Synthesis and catalytic activities of a Zn( $\text{N}_6$ ) based metallomacrocyclic and a metal-organic framework towards one-pot deacetalization-Knoevenagel tandem reactions under different strategies: a comparative study. <i>Dalton Transactions</i> , 2020, 49, 8075-8085.	3.3	26
53	Cd( $\text{N}_6$ ) coordination compounds as heterogeneous catalysts for microwave-assisted peroxidative oxidation of toluene and 1-phenylethanol. <i>New Journal of Chemistry</i> , 2020, 44, 9163-9171.	2.8	18
54	A Tale of Two Ends: Repurposing Metallic Compounds from Anti-Tumour Agents to Effective Antibacterial Activity. <i>Antibiotics</i> , 2020, 9, 321.	3.7	3

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55	New Trends in the Conversion of CO <sub>2</sub> to Cyclic Carbonates. <i>Catalysts</i> , 2020, 10, 479.	3.5	71
56	Zn(II)-to-Cu(II) Transmetalation in an Amide Functionalized Complex and Catalytic Applications in Styrene Oxidation and Nitroaldol Coupling. <i>Molecules</i> , 2020, 25, 2644.	3.8	9
57	1D Copper(II)-Aroylhydrazone Coordination Polymers: Magnetic Properties and Microwave Assisted Oxidation of a Secondary Alcohol. <i>Frontiers in Chemistry</i> , 2020, 8, 157.	3.6	21
58	Recent Advances in Copper Catalyzed Alcohol Oxidation in Homogeneous Medium. <i>Molecules</i> , 2020, 25, 748.	3.8	37
59	Ultrasound and Radiation-Induced Catalytic Oxidation of 1-Phenylethanol to Acetophenone with Iron-Containing Particulate Catalysts. <i>Molecules</i> , 2020, 25, 740.	3.8	5
60	Tetraalkylammonium Functionalized Hydrochars as Efficient Supports for Palladium Nanocatalysts. <i>ChemCatChem</i> , 2020, 12, 2295-2303.	3.7	5
61	Supported Gold Nanoparticles as Catalysts in Peroxidative and Aerobic Oxidation of 1-Phenylethanol under Mild Conditions. <i>Nanomaterials</i> , 2020, 10, 151.	4.1	7
62	Synthesis, Structures, Electrochemistry, and Catalytic Activity towards Cyclohexanol Oxidation of Mono-, Di-, and Polynuclear Iron(III) Complexes with 3-Amino-2-Pyrazinecarboxylate. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2692.	2.5	3
63	Aroylhydrazone Schiff Base Derived Cu(II) and V(V) Complexes: Efficient Catalysts towards Neat Microwave-Assisted Oxidation of Alcohols. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2832.	4.1	16
64	Environmentally benign benzyl alcohol oxidation and C-C coupling catalysed by amide functionalized 3D Co(II) and Zn(II) metal organic frameworks. <i>Journal of Catalysis</i> , 2020, 385, 324-337.	6.2	59
65	Novel Chemotherapeutic Agents - The Contribution of Scorpionates. <i>Current Medicinal Chemistry</i> , 2020, 26, 7452-7475.	2.4	11
66	Neutral Lipophilic Palladium(II) Complexes and their Applications in Electrocatalytic Hydrogen Production and C-C Coupling Reactions. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 813-822.	2.0	1
67	Carbon-supported Vanadium Catalysis. <i>RSC Catalysis Series</i> , 2020, , 285-320.	0.1	0
68	Nickel(II) Complexes with Redox Noninnocent Octaazamacrocycles as Catalysts in Oxidation Reactions. <i>Inorganic Chemistry</i> , 2019, 58, 11133-11145.	4.0	16
69	Ni(II)-Aroylhydrazone Complexes as Catalyst Precursors Towards Efficient Solvent-Free Nitroaldol Condensation Reaction. <i>Catalysts</i> , 2019, 9, 554.	3.5	12
70	Cu(II) complexes of N-rich aroylhydrazone: magnetism and catalytic activity towards microwave-assisted oxidation of xylenes. <i>Dalton Transactions</i> , 2019, 48, 12839-12849.	3.3	19
71	Structural characterization and biological properties of silver(I) tris(pyrazolyl)methane sulfonate. <i>Journal of Inorganic Biochemistry</i> , 2019, 199, 110789.	3.5	11
72	Hydrosoluble Complexes Bearing Tris(pyrazolyl)methane Sulfonate Ligand: Synthesis, Characterization and Catalytic Activity for Henry Reaction. <i>Catalysts</i> , 2019, 9, 611.	3.5	8

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73	C-scorpionate complexes: Ever young catalytic tools. <i>Coordination Chemistry Reviews</i> , 2019, 396, 89-102.	18.8	41
74	Targeting Cancer Resistance via Multifunctional Gold Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5510.	4.1	24
75	Highly Efficient Bifunctional Amide Functionalized Zn and Cd Metal Organic Frameworks for One-Pot Cascade Deacetalization–Knoevenagel Reactions. <i>Frontiers in Chemistry</i> , 2019, 7, 699.	3.6	18
76	Antiproliferative activity of heterometallic sodium and potassium-dioxidovanadium(V) polymers. <i>Journal of Inorganic Biochemistry</i> , 2019, 200, 110811.	3.5	15
77	Arylhydrazone ligands as Cu-protectors and -catalysis promoters in the azide–alkyne cycloaddition reaction. <i>Dalton Transactions</i> , 2019, 48, 1774-1785.	3.3	24
78	Structure and catalytic properties of novel copper isatin Schiff base complexes. <i>New Journal of Chemistry</i> , 2019, 43, 188-198.	2.8	17
79	New palladium complexes with 3-(2-pyridyl)-5-alkyl-1,2,4-triazole ligands as recyclable C–C coupling catalysts. <i>New Journal of Chemistry</i> , 2019, 43, 10973-10984.	2.8	14
80	New C-scorpionate nickel(II) catalyst for Heck C–C coupling under unconventional conditions. <i>Journal of Organometallic Chemistry</i> , 2019, 896, 32-37.	1.8	6
81	A copper-amidocarboxylate based metal organic macrocycle and framework: synthesis, structure and catalytic activities towards microwave assisted alcohol oxidation and Knoevenagel reactions. <i>New Journal of Chemistry</i> , 2019, 43, 9843-9854.	2.8	16
82	Synthesis and Structure of Copper Complexes of a N6O4 Macrocyclic Ligand and Catalytic Application in Alcohol Oxidation. <i>Catalysts</i> , 2019, 9, 424.	3.5	15
83	Cyanosilylation of Aldehydes Catalyzed by Ag(I)- and Cu(II)-Arylhydrazone Coordination Polymers in Conventional and in Ionic Liquid Media. <i>Catalysts</i> , 2019, 9, 284.	3.5	12
84	Syntheses, Structures, and Catalytic Hydrocarbon Oxidation Properties of N-Heterocycle-Sulfonated Schiff Base Copper(II) Complexes. <i>Inorganics</i> , 2019, 7, 17.	2.7	10
85	New Oxidovanadium(IV) Complexes with 2,2'-bipyridine and 1,10-phenanthroline Ligands: Synthesis, Structure and High Catalytic Activity in Oxidations of Alkanes and Alcohols with Peroxides. <i>Catalysts</i> , 2019, 9, 217.	3.5	24
86	Green oxidation of cyclohexane catalyzed by recyclable magnetic transition-metal silica coated nanoparticles. <i>Catalysis Communications</i> , 2019, 125, 15-20.	3.3	29
87	Vanadium complexes of different nuclearities in the catalytic oxidation of cyclohexane and cyclohexanol – an experimental and theoretical investigation. <i>New Journal of Chemistry</i> , 2019, 43, 17557-17570.	2.8	25
88	C-scorpionate iron(II) complexes as highly selective catalysts for the hydrocarboxylation of cyclohexane. <i>Inorganica Chimica Acta</i> , 2019, 489, 269-274.	2.4	6
89	Synergistic catalytic action of vanadia–titania composites towards the microwave-assisted benzoin oxidation. <i>Dalton Transactions</i> , 2019, 48, 3198-3203.	3.3	7
90	Cu(II) and Fe(III) Complexes Derived from N-Acetylpyrazine-2-Carbohydrazide as Efficient Catalysts Towards Neat Microwave Assisted Oxidation of Alcohols. <i>Catalysts</i> , 2019, 9, 1053.	3.5	13

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91	Pentafluorophenyl Platinum(II) Complexes of PTA and its N-Allyl and N-Benzyl Derivatives: Synthesis, Characterization and Biological Activity. <i>Materials</i> , 2019, 12, 3907.	2.9	7
92	Catalytic Activity of Polynuclear vs. Dinuclear Arylhydrazone Cu(II) Complexes in Microwave-Assisted Oxidation of Neat Aliphatic and Aromatic Hydrocarbons. <i>Molecules</i> , 2019, 24, 47.	3.8	27
93	Biographical sketch of Professor Armando J. L. Pombeiro. <i>Coordination Chemistry Reviews</i> , 2019, 380, 601-603.	18.8	0
94	A new Cu(II)-O-Carvacrotonate complex: Synthesis, characterization and biological activity. <i>Journal of Inorganic Biochemistry</i> , 2019, 190, 31-37.	3.5	7
95	Baeyer–Villiger Oxidation Promoted by Noncovalent Interactions. <i>RSC Catalysis Series</i> , 2019, , 283-301.	0.1	0
96	High Catalytic Activity of Vanadium Complexes in Alkane Oxidations with Hydrogen Peroxide: An Effect of 8-Hydroxyquinoline Derivatives as Noninnocent Ligands. <i>Inorganic Chemistry</i> , 2018, 57, 1824-1839.	4.0	51
97	Heterogenized C-scorpionate Iron(II) Complex on Nanostructured Carbon Materials as Recyclable Catalysts for Microwave-Assisted Oxidation Reactions. <i>ChemCatChem</i> , 2018, 10, 1821-1828.	3.7	35
98	Commercial Gold(I) and Gold(III) Compounds Supported on Carbon Materials as Greener Catalysts for the Oxidation of Alkanes and Alcohols. <i>ChemCatChem</i> , 2018, 10, 1804-1813.	3.7	25
99	Commercial Gold(I) and Gold(III) Compounds Supported on Carbon Materials as Greener Catalysts for the Oxidation of Alkanes and Alcohols. <i>ChemCatChem</i> , 2018, 10, 1661-1662.	3.7	0
100	Ultra-fast and selective oxidation of styrene to benzaldehyde catalyzed by a C-scorpionate Cu(II) complex. <i>Catalysis Science and Technology</i> , 2018, 8, 2285-2288.	4.1	26
101	Elementary and efficient catalyst process for the Knoevenagel condensation of araldehydes with arylmethylidene malononitrile. <i>Inorganica Chimica Acta</i> , 2018, 471, 76-81.	2.4	6
102	Gold Nanotriangles as Selective Catalysts for Cyclohexanol and Cyclohexanone Production. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2655.	2.5	5
103	Copper(II) Complexes of Arylhydrazone of 1H-Indene-1,3(2H)-dione as Catalysts for the Oxidation of Cyclohexane in Ionic Liquids. <i>Catalysts</i> , 2018, 8, 636.	3.5	3
104	Synthesis of Metallomacrocyclic and Coordination Polymers with Pyridine-Based Amidocarboxylate Ligands and Their Catalytic Activities towards the Henry and Knoevenagel Reactions. <i>ChemistryOpen</i> , 2018, 7, 865-877.	1.9	20
105	Novel Methinic Functionalized and Dendritic C-Scorpionates. <i>Molecules</i> , 2018, 23, 3066.	3.8	9
106	Peroxidative Oxidation of Alkanes and Alcohols under Mild Conditions by Di- and Tetranuclear Copper (II) Complexes of Bis (2-Hydroxybenzylidene) Isophthalohydrazide. <i>Molecules</i> , 2018, 23, 2699.	3.8	23
107	Packing polymorphism in 3-amino-2-pyrazinecarboxylate based tin(II) complexes and their catalytic activity towards cyanosilylation of aldehydes. <i>New Journal of Chemistry</i> , 2018, 42, 17513-17523.	2.8	14
108	Copper complexes bearing C-scorpionate ligands: Synthesis, characterization and catalytic activity for azide-alkyne cycloaddition in aqueous medium. <i>Inorganica Chimica Acta</i> , 2018, 483, 371-378.	2.4	20



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109	Hydrosoluble Cu(II)-DAPTA complexes: synthesis, characterization, luminescence thermochromism and catalytic activity for microwave-assisted three-component azide-alkyne cycloaddition click reaction. Dalton Transactions, 2018, 47, 7290-7299.	3.3	40
110	Comparison of microwave and mechanochemical energy inputs in the catalytic oxidation of cyclohexane. Dalton Transactions, 2018, 47, 8193-8198.	3.3	9
111	Copper(II) and Sodium(I) Complexes based on 3,7-Diacetyl-1,3,7-triazaphosphabicyclo[3.3.1]nonane-5-oxide: Synthesis, Characterization, and Catalytic Activity. Chemistry - an Asian Journal, 2018, 13, 2868-2880.	3.3	22
112	Combination of chemotherapy and Au-nanoparticle phototherapy in the visible light to tackle doxorubicin resistance in cancer cells. Scientific Reports, 2018, 8, 11429.	3.3	37
113	Improved Cyclohexane Oxidation Catalyzed by a Heterogenized Iron (II) Complex on Hierarchical Y Zeolite through Surfactant Mediated Technology. ChemCatChem, 2018, 10, 4058-4066.	3.7	28
114	Efficient Solvent-Free Friedel-Crafts Benzoylation and Acylation of Xylene Catalyzed by Acetylpyrazine-2-carbohydrazide-Fe(III)-Chloro Complexes. ChemistrySelect, 2018, 3, 8349-8355.	1.5	3
115	A green methodology for the selective catalytic oxidation of styrene by magnetic metal-transition ferrite nanoparticles. Catalysis Communications, 2018, 116, 10-15.	3.3	24
116	New Trendy Magnetic C-Scorpionate Iron Catalyst and Its Performance towards Cyclohexane Oxidation. Catalysts, 2018, 8, 69.	3.5	15
117	Highly Active and Selective Supported Rhenium Catalysts for Aerobic Oxidation of n-Hexane and n-Heptane. Catalysts, 2018, 8, 114.	3.5	4
118	Recent Developments in Transition Metal-Catalyzed Cross-Dehydrogenative Coupling Reactions of Ethers and Thioethers. ChemCatChem, 2018, 10, 3354-3383.	3.7	76
119	C-scorpionate rhenium complexes and their application as catalysts in Baeyer-Villiger oxidation of ketones. Inorganica Chimica Acta, 2017, 455, 390-397.	2.4	19
120	Sulfonated Schiff base dimeric and polymeric copper(II) complexes: Temperature dependent synthesis, crystal structure and catalytic alcohol oxidation studies. Inorganica Chimica Acta, 2017, 455, 549-556.	2.4	21
121	Targeting canine mammary tumours via gold nanoparticles functionalized with promising Co(II) and Zn(II) compounds. Veterinary and Comparative Oncology, 2017, 15, 1537-1542.	1.8	11
122	DNA and BSA binding and cytotoxic properties of copper(II) and iron(III) complexes with arylhydrazone of ethyl 2-cyanoacetate or formazan ligands. New Journal of Chemistry, 2017, 41, 4076-4086.	2.8	50
123	Copper(II) tetrazolato complexes: Role in oxidation catalysis and protein binding. Polyhedron, 2017, 132, 53-63.	2.2	24
124	Supported C-Scorpionate Vanadium(IV) Complexes as Reusable Catalysts for Xylene Oxidation. Chemistry - an Asian Journal, 2017, 12, 1915-1919.	3.3	23
125	Lanthanide metal organic frameworks based on dicarboxyl-functionalized arylhydrazone of barbituric acid: syntheses, structures, luminescence and catalytic cyanosilylation of aldehydes. Dalton Transactions, 2017, 46, 8649-8657.	3.3	55
126	Unfolding biological properties of a versatile dicopper(II) precursor and its two mononuclear copper(II) derivatives. Journal of Inorganic Biochemistry, 2017, 174, 25-36.	3.5	8



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127	Enhancing alkane oxidation using Co-doped SnO <sub>2</sub> nanoparticles as catalysts. <i>Catalysis Communications</i> , 2017, 96, 19-22.	3.3	3
128	Supported Gold Nanoparticles as Reusable Catalysts for Oxidation Reactions of Industrial Significance. <i>ChemCatChem</i> , 2017, 9, 1211-1221.	3.7	44
129	N <sub>2</sub> O-Free single-pot conversion of cyclohexane to adipic acid catalysed by an iron(II) scorpionate complex. <i>Green Chemistry</i> , 2017, 19, 1499-1501.	9.0	43
130	Gold nanoparticles deposited on surface modified carbon materials as reusable catalysts for hydrocarboxylation of cyclohexane. <i>Applied Catalysis A: General</i> , 2017, 547, 124-131.	4.3	25
131	Carbon dioxide-to-methanol single-pot conversion using a C-scorpionate iron(II) catalyst. <i>Green Chemistry</i> , 2017, 19, 4811-4815.	9.0	94
132	A Bis(μ-chlorido)μ-Bridged Cobalt(II) Complex with Silyl-Containing Schiff Base as a Catalyst Precursor in the Solvent-Free Oxidation of Cyclohexane. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4324-4332.	2.0	15
133	Recent advances on supramolecular isomerism in metal organic frameworks. <i>CrystEngComm</i> , 2017, 19, 4666-4695.	2.6	66
134	Flexibility and lability of a phenyl ligand in hetero-organometallic 3d metal-Sn(IV) compounds and their catalytic activity in Baeyer-Villiger oxidation of cyclohexanone. <i>Dalton Transactions</i> , 2017, 46, 13364-13375.	3.3	17
135	Mixed ligand aroylhydrazone and N-donor heterocyclic Lewis base Cu(II) complexes as potential antiproliferative agents. <i>Journal of Inorganic Biochemistry</i> , 2017, 175, 267-275.	3.5	28
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149	Back Cover: Water-Soluble C-Scorpionate Complexes - Catalytic and Biological Applications (Eur. J.)	2.0	1
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