Armando J.L. Pombeiro

List of Publications by Year
in descending order

		6254	21540
850	31,437	80	114
papers	citations	h-index	g-index

942	942	942	15253
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Homogeneous oxidation of Câ€“H bonds with m-CPBA catalysed by a Co/Fe system: mechanistic insights from the point of view of the oxidant. Catalysis Science and Technology, 2022, 12, 282-299.	4.1	7
2	Urea and thiourea based coordination polymers and metal-organic frameworks: Synthesis, structure and applications. Coordination Chemistry Reviews, 2022, 453, 214314.	18.8	24
3	Halogen bonding in cadmium(<scp>ii</scp>) MOFs: its influence on the structure and on the nitroaldol reaction in aqueous medium. Dalton Transactions, 2022, 51, 1019-1031.	3.3	22
4	Water-soluble Al(<scp>iii</scp>), Fe(<scp>iii</scp>) and Cu(<scp>ii</scp>) formazanates: synthesis, structure, and applications in alkane and alcohol oxidations. New Journal of Chemistry, 2022, 46, 5002-5011.	2.8	7
5	Diastereomeric dinickel(<scp>ii</scp>) complexes with non-innocent bis(octaazamacrocyclic) ligands: isomerization, spectroelectrochemistry, DFT calculations and use in catalytic oxidation of cyclohexane. Dalton Transactions, 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. Catalysts, 2022, 12, 285.	3.5	2
7	Highly Efficient Adsorptive Removal of Organic Dyes from Aqueous Solutions Using Polyaromatic Group-Containing Zn(II)-Based Coordination Polymers. Crystal Growth and Design, 2022, 22, 2248-2265.	3.0	24
8	Polyaromatic Carboxylate Ligands Based Zn(II) Coordination Polymers for Ultrasound-Assisted One-Pot Tandem Deacetalizationâ€“Knoevenagel Reactions. Catalysts, 2022, 12, 294.	3.5	4
9	Heterogeneous Gold Nanoparticle-Based Catalysts for the Synthesis of Click-Derived Triazoles via the Azide-Alkyne Cycloaddition Reaction. Catalysts, 2022, 12, 45.	3.5	12
10	M^{II}Â·Â·Â·Cl Interaction Supported Heterometallic {Ni^{II}Sn^{II}}{Sn^{IV}} and {Ni^{II}Sn^{II}}{Sn^{II}} Complex Salts: Possibility of Ion-Pair-Assisted Tetrel Bonds. Crystal Growth and Design, 2022, 22, 341-355.	3.0	3
11	Ultrasound and photo-assisted oxidation of toluene and benzyl alcohol with oxidovanadium(V) complexes. Applied Catalysis A: General, 2022, 638, 118623.	4.3	7
12	Chalcogen bonding in coordination chemistry. Coordination Chemistry Reviews, 2022, 464, 214556.	18.8	61
13	Chalcogen and Hydrogen Bonds at the Periphery of Arylhydrazone Metal Complexes. Crystal Growth and Design, 2022, 22, 3932-3940.	3.0	12
14	Knoevenagel condensation reaction in supercritical carbon dioxide medium using a Zn(II) coordination polymer as catalyst. Inorganica Chimica Acta, 2022, 538, 120981.	2.4	9
15	Benzimidazole Schiff base copper(II) complexes as catalysts for environmental and energy applications: VOC oxidation, oxygen reduction and water splitting reactions. International Journal of Hydrogen Energy, 2022, 47, 23175-23190.	7.1	8
16	Vanadium(V) complexes supported on porous MIL-100(Fe) as catalysts for the selective oxidation of toluene. Microporous and Mesoporous Materials, 2022, 341, 112091.	4.4	4
17	3,7-Diacetyl-1,3,7-triaza-5-phosphabicyclo[3.3.1]nonane (DAPTA) and derivatives: Coordination chemistry and applications. Coordination Chemistry Reviews, 2021, 429, 213614.	18.8	14
18	Catalytic effect of different hydroxyl-functionalised ionic liquids together with Zn(II) complex in the synthesis of cyclic carbonates from CO2. Molecular Catalysis, 2021, 499, 111292.	2.0	4

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19	Microwave-assisted synthesis of fluoroorganics. , 2021, , 415-488.		2
20	Influence of anchoring moieties on new benzimidazole-based Schiff base copper(<scp>ii</scp>) complexes towards estrogen dependent breast cancer cells. Dalton Transactions, 2021, 50, 3701-3716.	3.3	22
21	A new amido-phosphane as ligand for copper and silver complexes. Synthesis, characterization and catalytic application for azideâ€“alkyne cycloaddition in glycerol. Dalton Transactions, 2021, 50, 6109-6125.	3.3	10
22	The Catalytic Activity of Carbon-Supported Cu(I)-Phosphine Complexes for the Microwave-Assisted Synthesis of 1,2,3-Triazoles. Catalysts, 2021, 11, 185.	3.5	17
23	Role of Halogen Substituents on Halogen Bonding in 4,5-DiBromohexahydro-3a,6-Epoxyisoindol-1(4H)-ones. Crystals, 2021, 11, 112.	2.2	10
24	1D Zn(II) Coordination Polymers as Effective Heterogeneous Catalysts in Microwave-Assisted Single-Pot Deacetalization-Knoevenagel Tandem Reactions in Solvent-Free Conditions. Catalysts, 2021, 11, 90.	3.5	13
25	A novel o-vanillin Fe(<scp>iii</scp>) complex catalytically active in Câ€“H oxidation: exploring the magnetic exchange interactions and spectroscopic properties with different DFT functionals. Dalton Transactions, 2021, 50, 14782-14796.	3.3	5
26	Pyrene Carboxylate Ligand Based Coordination Polymers for Microwave-Assisted Solvent-Free Cyanosilylation of Aldehydes. Molecules, 2021, 26, 1101.	3.8	8
27	A Mixed Valence CoIICoIII2 Field-Supported Single Molecule Magnet: Solvent-Dependent Structural Variation. Molecules, 2021, 26, 1060.	3.8	4
28	Recent developments in molecular sensor designs for inorganic pyrophosphate detection and biological imaging. Coordination Chemistry Reviews, 2021, 431, 213744.	18.8	40
29	Non-Covalent Interactions in Enantioselective Organocatalysis: Theoretical and Mechanistic Studies of Reactions Mediated by Dual H-Bond Donors, Bifunctional Squaramides, Thioureas and Related Catalysts. Catalysts, 2021, 11, 569.	3.5	29
30	Immobilization of Rh(I)-N-Xantphos and Fe(II)-C-Scorpionate onto Magnetic Nanoparticles: Reusable Catalytic System for Sequential Hydroformylation/Acetalization. Catalysts, 2021, 11, 608.	3.5	6
31	Catalytic oxidation of a model volatile organic compound (toluene) with tetranuclear Cu(II) complexes. Inorganica Chimica Acta, 2021, 520, 120314.	2.4	8
32	Oxido- and Dioxido-Vanadium(V) Complexes Supported on Carbon Materials: Reusable Catalysts for the Oxidation of Cyclohexane. Nanomaterials, 2021, 11, 1456.	4.1	7
33	Recent Developments in Enantioselective Organocatalytic Cascade Reactions for the Construction of Halogenated Ring Systems. European Journal of Organic Chemistry, 2021, 2021, 3938-3969.	2.4	18
34	A benzimidazole-based new fluorogenic differential/sequential chemosensor for Cu2+, Zn2+, CN-, P2O74-, DNA, its live-cell imaging and pyrosequencing applications. Sensors and Actuators B: Chemical, 2021, 337, 129785.	7.8	31
35	Vanadium C-scorpionate supported on mesoporous aptes-functionalized SBA-15 as catalyst for the peroxidative oxidation of benzyl alcohol. Microporous and Mesoporous Materials, 2021, 320, 111111.	4.4	7
36	Peroxides in metal complex catalysis. Coordination Chemistry Reviews, 2021, 437, 213859.	18.8	41

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37	Water oxidation with transition metal catalysts with non-innocent ligands and its mechanisms. Coordination Chemistry Reviews, 2021, 439, 213911.	18.8	27
38	Naphthalimide-phenanthroimidazole incorporated new fluorescent sensor for â€œturn-onâ€•Cu2+ detection in living cancer cells. Journal of Inorganic Biochemistry, 2021, 220, 111466.	3.5	16
39	A Bio-Based Alginate Aerogel as an Ionic Liquid Support for the Efficient Synthesis of Cyclic Carbonates from CO2 and Epoxides. Catalysts, 2021, 11, 872.	3.5	7
40	Metal-free and iron(II)-assisted oxidation of cyclohexane to adipic acid with ozone: A theoretical mechanistic study. Journal of Catalysis, 2021, 399, 52-66.	6.2	17
41	Alkoxo bridged heterobimetallic CoIIISnIV compounds with face shared coordination octahedra: Synthesis, crystal structure and cyanosilylation catalysis. Journal of Organometallic Chemistry, 2021, 949, 121949.	1.8	1
42	Noncovalent Interactions at Lanthanide Complexes. Chemistry - A European Journal, 2021, 27, 14370-14389.	3.3	19
43	Platinum and palladium complexes with tetrazole ligands: Synthesis, structure and applications. Coordination Chemistry Reviews, 2021, 446, 214132.	18.8	28
44	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. Molecules, 2021, 26, 336.	3.8	5
45	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. Nanomaterials, 2021, 11, 2702.	4.1	15
46	Frontispiece: Noncovalent Interactions at Lanthanide Complexes. Chemistry - A European Journal, 2021, 27, .	3.3	0
47	Application of molybdenum complexes for the oxidation of cyclohexane in acetonitrile, ionic liquid and supercritical CO2 media, a comparative study. Molecular Catalysis, 2020, 482, 100356.	2.0	15
48	Solvent-free oxidation of 1-phenylethanol catalysed by gold nanoparticles supported on carbon powder materials. Catalysis Today, 2020, 357, 22-31.	4.4	7
49	Commercial gold(III) complex supported on functionalized carbon materials as catalyst for cyclohexane hydrocarboxylation. Catalysis Today, 2020, 357, 39-45.	4.4	5
50	The role of nanoporous carbon materials in catalytic cyclohexane oxidation. Catalysis Today, 2020, 357, 46-55.	4.4	18
51	Well-defined nickel(II) tetrazole-saccharinate complex as homogeneous catalyst on the reduction of aldehydes: scope and reaction mechanism. Pure and Applied Chemistry, 2020, 92, 151-166.	1.9	6
52	ZnO nanoparticles: An efficient catalyst for transesterification reaction of Î±-keto carboxylic esters. Catalysis Today, 2020, 348, 72-79.	4.4	11
53	Role of substituents on resonance assisted hydrogen bonding vs. intermolecular hydrogen bonding. CrystEngComm, 2020, 22, 628-633.	2.6	45
54	New members of the polynuclear manganese family: MnII2MnIII2 single-molecule magnets and MnII3MnIII8 antiferromagnetic complexes. Synthesis and magnetostructural correlations. Dalton Transactions, 2020, 49, 13970-13985.	3.3	6

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55	Fe@Hierarchical BEA Zeolite Catalyst for MW-Assisted Alcohol Oxidation Reaction: A Greener Approach. Catalysts, 2020, 10, 1029.	3.5	5
56	Solvent-free oxidation of benzyl alcohols catalysed by a tetrazole-saccharinate Zn(II) complex under microwave radiation: The role of the ligand and the reaction mechanism. Journal of Molecular Structure, 2020, 1222, 128831.	3.6	14
57	C-scorpionate Au(III) complexes as pre-catalysts for industrially significant toluene oxidation and benzaldehyde esterification reactions. Inorganica Chimica Acta, 2020, 512, 119881.	2.4	9
58	Nickel(II), Copper(II) and Palladium(II) Complexes with Bis-Semicarbazide Hexaazamacrocycles: Redox-Noninnocent Behavior and Catalytic Activity in Oxidation and Câ€“C Coupling Reactions. Inorganic Chemistry, 2020, 59, 10650-10664.	4.0	5
59	Mechanochemical and Conventional Synthesis of Copper(II) Coordination Polymers Bearing Arylhydrazone of Acetoacetanilide and Their Catalytic Activity in Conversion of Acetone to Acetic Acid. ChemistrySelect, 2020, 5, 7923-7927.	1.5	7
60	Water-Soluble O-, S- and Se-Functionalized Cyclic Acetyl-triaza-phosphines. Synthesis, Characterization and Application in Catalytic Azide-alkyne Cycloaddition. Molecules, 2020, 25, 5479.	3.8	11
61	Mechanochemical Preparation of Pd(II) and Pt(II) Composites with Carbonaceous Materials and Their Application in the Suzuki-Miyaura Reaction at Several Energy Inputs. Molecules, 2020, 25, 2951.	3.8	5
62	N-Formylation of amines using arylhydrazones of malononitrile and a Cu(II) complex under eco-friendly conditions at room temperature. Inorganica Chimica Acta, 2020, 513, 119938.	2.4	3
63	TEMPO in metal complex catalysis. Coordination Chemistry Reviews, 2020, 423, 213482.	18.8	59
64	Versatility of Amide-Functionalized Co(II) and Ni(II) Coordination Polymers: From Thermochromic-Triggered Structural Transformations to Supercapacitors and Electrocatalysts for Water Splitting. Inorganic Chemistry, 2020, 59, 16301-16318.	4.0	19
65	Equilibria in Aqueous Cobalt(II)â€”Reduced Schiff Base N-(2-hydroxybenzyl)alanine System: Chemical Characterization, Kinetic Analysis, Antimicrobial and Cytotoxic Properties. Molecules, 2020, 25, 3462.	3.8	8
66	A mechanistic insight into the rapid and selective removal of Congo Red by an amide functionalised Zn(ii) coordination polymer. Dalton Transactions, 2020, 49, 12970-12984.	3.3	12
67	Electrochemical asymmetric synthesis of biologically active substances. Organic and Biomolecular Chemistry, 2020, 18, 7026-7055.	2.8	19
68	Novel H-Bonded Synthons in Copper Supramolecular Frameworks with Aminoethylpiperazine-Based Ligands. Synthesis, Structure and Catalytic Activity. Materials, 2020, 13, 5435.	2.9	8
69	Fe(III) Complexes in Cyclohexane Oxidation: Comparison of Catalytic Activities under Different Energy Stimuli. Catalysts, 2020, 10, 1175.	3.5	4
70	Green synthesis of zinc oxide particles with apple-derived compounds and their application as catalysts in the transesterification of methyl benzoates. Dalton Transactions, 2020, 49, 6488-6494.	3.3	7
71	Synthesis and catalytic activities of a Zn(<scp>ii</scp>) based metallomacrocycle and a metalâ€“organic framework towards one-pot deacetalization-Knoevenagel tandem reactions under different strategies: a comparative study. Dalton Transactions, 2020, 49, 8075-8085.	3.3	26
72	Cd(<scp>ii</scp>) coordination compounds as heterogeneous catalysts for microwave-assisted peroxidative oxidation of toluene and 1-phenylethanol. New Journal of Chemistry, 2020, 44, 9163-9171.	2.8	18

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73	New Trends in Enantioselective Cross-Dehydrogenative Coupling. Catalysts, 2020, 10, 529.	3.5	23
74	Resonance Assisted Chalcogen Bonding as a New Synthon in the Design of Dyes. Chemistry - A European Journal, 2020, 26, 14833-14837.	3.3	48
75	Zn(II)-to-Cu(II) Transmetalation in an Amide Functionalized Complex and Catalytic Applications in Styrene Oxidation and Nitroaldol Coupling. Molecules, 2020, 25, 2644.	3.8	9
76	1D Copper(II)-Aroylhydrazone Coordination Polymers: Magnetic Properties and Microwave Assisted Oxidation of a Secondary Alcohol. Frontiers in Chemistry, 2020, 8, 157.	3.6	21
77	Phenoxazinone synthase-like catalytic activity of novel mono- and tetranuclear copper(<scp>ii</scp>) complexes with 2-benzylaminoethanol. Dalton Transactions, 2020, 49, 4710-4724.	3.3	22
78	Multinuclear Zn(II)-arylhydrazone complexes as catalysts for cyanosilylation of aldehydes. Journal of Organometallic Chemistry, 2020, 912, 121171.	1.8	12
79	Ultrasound and Radiation-Induced Catalytic Oxidation of 1-Phenylethanol to Acetophenone with Iron-Containing Particulate Catalysts. Molecules, 2020, 25, 740.	3.8	5
80	Biological Evaluation of Azoâ€•and Iminoâ€Based Carboxylate Triphenyltin(IV) Compounds. European Journal of Inorganic Chemistry, 2020, 2020, 930-941.	2.0	7
81	Supported Gold Nanoparticles as Catalysts in Peroxidative and Aerobic Oxidation of 1-Phenylethanol under Mild Conditions. Nanomaterials, 2020, 10, 151.	4.1	7
82	The Stereoselective Nitro-Mannich Reaction in the Synthesis of Active Pharmaceutical Ingredients and Other Biologically Active Compounds. Frontiers in Chemistry, 2020, 8, 30.	3.6	18
83	Synthesis, Structures, Electrochemistry, and Catalytic Activity towards Cyclohexanol Oxidation of Mono-, Di-, and Polynuclear Iron(III) Complexes with 3-Amino-2-Pyrazinecarboxylate. Applied Sciences (Switzerland), 2020, 10, 2692.	2.5	3
84	Aroylhydrazone Schiff Base Derived Cu(II) and V(V) Complexes: Efficient Catalysts towards Neat Microwave-Assisted Oxidation of Alcohols. International Journal of Molecular Sciences, 2020, 21, 2832.	4.1	16
85	Recent developments in vanadium-catalyzed olefin coordination polymerization. Coordination Chemistry Reviews, 2020, 416, 213332.	18.8	54
86	Environmentally benign benzyl alcohol oxidation and C-C coupling catalysed by amide functionalized 3D Co(II) and Zn(II) metal organic frameworks. Journal of Catalysis, 2020, 385, 324-337.	6.2	59
87	Pnictogen bonding in coordination chemistry. Coordination Chemistry Reviews, 2020, 418, 213381.	18.8	110
88	Transition Metal-Based Prodrugs for Anticancer Drug Delivery. Current Medicinal Chemistry, 2020, 26, 7476-7519.	2.4	11
89	Noncovalent Interactions. Chemistry International, 2020, 42, 37-40.	0.3	0
90	1st International Conference on Noncovalent Interactions. New Journal of Chemistry, 2019, 43, 13312-13314.	2.8	5

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91	Nickel(II) Complexes with Redox Noninnocent Octaazamacrocycles as Catalysts in Oxidation Reactions. Inorganic Chemistry, 2019, 58, 11133-11145.	4.0	16
92	Ni(II)-Aroylhydrazone Complexes as Catalyst Precursors Towards Efficient Solvent-Free Nitroaldol Condensation Reaction. Catalysts, 2019, 9, 554.	3.5	12
93	Cu(<scp>ii</scp>) complexes of N-rich aroylhydrazone: magnetism and catalytic activity towards microwave-assisted oxidation of xylenes. Dalton Transactions, 2019, 48, 12839-12849.	3.3	19
94	Structural characterization and biological properties of silver(I) tris(pyrazolyl)methane sulfonate. Journal of Inorganic Biochemistry, 2019, 199, 110789.	3.5	11
95	Noncovalent interactions in the design of bis-azo dyes. CrystEngComm, 2019, 21, 5032-5038.	2.6	39
96	Hydrosoluble Complexes Bearing Tris(pyrazolyl)methane Sulfonate Ligand: Synthesis, Characterization and Catalytic Activity for Henry Reaction. Catalysts, 2019, 9, 611.	3.5	8
97	New Microbe Killers: Self-Assembled Silver(I) Coordination Polymers Driven by a Cagelike Aminophosphine. Materials, 2019, 12, 3353.	2.9	7
98	Highly Efficient Bifunctional Amide Functionalized Zn and Cd Metal Organic Frameworks for One-Pot Cascade Deacetalizationâ€“Knoevenagel Reactions. Frontiers in Chemistry, 2019, 7, 699.	3.6	18
99	Nitrogen ligands. Dalton Transactions, 2019, 48, 13904-13906.	3.3	7
100	Antiproliferative activity of heterometallic sodium and potassium-dioxidovanadium(V) polymers. Journal of Inorganic Biochemistry, 2019, 200, 110811.	3.5	15
101	Arylhydrazone ligands as Cu-protectors and -catalysis promoters in the azideâ€“alkyne cycloaddition reaction. Dalton Transactions, 2019, 48, 1774-1785.	3.3	24
102	New palladium(<scp>ii</scp>) complexes with 3-(2-pyridyl)-5-alkyl-1,2,4-triazole ligands as recyclable Câ€“C coupling catalysts. New Journal of Chemistry, 2019, 43, 10973-10984.	2.8	14
103	Recent advances in amide functionalized metal organic frameworks for heterogeneous catalytic applications. Coordination Chemistry Reviews, 2019, 395, 86-129.	18.8	80
104	A copper-amidocarboxylate based metal organic macrocycle and framework: synthesis, structure and catalytic activities towards microwave assisted alcohol oxidation and Knoevenagel reactions. New Journal of Chemistry, 2019, 43, 9843-9854.	2.8	16
105	Synthesis and Structure of Copper Complexes of a N6O4 Macrocyclic Ligand and Catalytic Application in Alcohol Oxidation. Catalysts, 2019, 9, 424.	3.5	15
106	Distinctive coordination behavior of a pyrazole imine-oxime compound towards Co(II) and Ni(II). Heliyon, 2019, 5, e01623.	3.2	1
107	Cyanosilylation of Aldehydes Catalyzed by Ag(I)- and Cu(II)-Arylhydrazone Coordination Polymers in Conventional and in Ionic Liquid Media. Catalysts, 2019, 9, 284.	3.5	12
108	Syntheses, Structures, and Catalytic Hydrocarbon Oxidation Properties of N-Heterocycle-Sulfonated Schiff Base Copper(II) Complexes. Inorganics, 2019, 7, 17.	2.7	10

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109	Heterometallic CoIIIZnII Schiff Base Catalyst for Mild Hydroxylation of C(sp3)â€“H Bonds of Unactivated Alkanes: Evidence for Dual Mechanism Controlled by the Promoter. Catalysts, 2019, 9, 209.	3.5	13
110	New Oxidovanadium(IV) Complexes with 2,2â€²-bipyridine and 1,10-phenathroline Ligands: Synthesis, Structure and High Catalytic Activity in Oxidations of Alkanes and Alcohols with Peroxides. Catalysts, 2019, 9, 217.	3.5	24
111	Green oxidation of cyclohexane catalyzed by recyclable magnetic transition-metal silica coated nanoparticles. Catalysis Communications, 2019, 125, 15-20.	3.3	29
112	Vanadium complexes of different nuclearities in the catalytic oxidation of cyclohexane and cyclohexanol â€“ an experimental and theoretical investigation. New Journal of Chemistry, 2019, 43, 17557-17570.	2.8	25
113	C-scorpionate iron(II) complexes as highly selective catalysts for the hydrocarboxylation of cyclohexane. Inorganica Chimica Acta, 2019, 489, 269-274.	2.4	6
114	Synergistic catalytic action of vanadiaâ€“titania composites towards the microwave-assisted benzoin oxidation. Dalton Transactions, 2019, 48, 3198-3203.	3.3	7
115	Cu(II) and Fe(III) Complexes Derived from N-Acetylpyrazine-2-Carbohydrazide as Efficient Catalysts Towards Neat Microwave Assisted Oxidation of Alcohols. Catalysts, 2019, 9, 1053.	3.5	13
116	In Vitro Assessment of Antimicrobial, Antioxidant, and Cytotoxic Properties of Saccharinâ€“Tetrazolyl and â€“Thiadiazolyl Derivatives: The Simple Dependence of the pH Value on Antimicrobial Activity. Pharmaceuticals, 2019, 12, 167.	3.8	13
117	Pentafluorophenyl Platinum(II) Complexes of PTA and its N-Allyl and N-Benzyl Derivatives: Synthesis, Characterization and Biological Activity. Materials, 2019, 12, 3907.	2.9	7
118	Integrated Green Chemical Approach to the Medicinal Plant Carpobrotus edulis Processing. Scientific Reports, 2019, 9, 18171.	3.3	8
119	Catalytic Activity of Polynuclear vs. Dinuclear Aroylhydrazone Cu(II) Complexes in Microwave-Assisted Oxidation of Neat Aliphatic and Aromatic Hydrocarbons. Molecules, 2019, 24, 47.	3.8	27
120	A new Cu(II)-O-Carvacrotinate complex: Synthesis, characterization and biological activity. Journal of Inorganic Biochemistry, 2019, 190, 31-37.	3.5	7
121	Pnicogen and chalcogen bonds in cyclometalated iridium(III) complexes. Inorganica Chimica Acta, 2018, 477, 31-33.	2.4	5
122	Evaluation of cell toxicity and DNA and protein binding of green synthesized silver nanoparticles. Biomedicine and Pharmacotherapy, 2018, 101, 137-144.	5.6	42
123	In vitro characterization of arylhydrazones of active methylene derivatives. Saudi Pharmaceutical Journal, 2018, 26, 430-436.	2.7	3
124	High Catalytic Activity of Vanadium Complexes in Alkane Oxidations with Hydrogen Peroxide: An Effect of 8-Hydroxyquinoline Derivatives as Noninnocent Ligands. Inorganic Chemistry, 2018, 57, 1824-1839.	4.0	51
125	Platinum Complexes with Chelating Acyclic Aminocarbene Ligands Work as Catalysts for Hydrosilylation of Alkynes. ACS Omega, 2018, 3, 863-871.	3.5	35
126	Heterogenized Câ€Scorpionate Iron(II) Complex on Nanostructured Carbon Materials as Recyclable Catalysts for Microwaveâ€Assisted Oxidation Reactions. ChemCatChem, 2018, 10, 1821-1828.	3.7	35

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127	Copper(II) complexes with an arylhydrazone of methyl 2-cyanoacetate as effective catalysts in the microwave-assisted oxidation of cyclohexane. Inorganica Chimica Acta, 2018, 471, 658-663.	2.4	15
128	Tetrel, halogen and hydrogen bonds in bis (4-((E) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td ()-(2,2-dichloro-1-(4-substitutedphenyl)vi 377-381.	3.7	47
129	Commercial Gold(I) and Gold(III) Compounds Supported on Carbon Materials as Greener Catalysts for the Oxidation of Alkanes and Alcohols. ChemCatChem, 2018, 10, 1804-1813.	3.7	25
130	A tetranuclear diphenyltin(IV) complex and its catalytic activity in the aerobic Baeyer-Villiger oxidation of cyclohexanone. Journal of Organometallic Chemistry, 2018, 867, 193-200.	1.8	14
131	Commercial Gold(I) and Gold(III) Compounds Supported on Carbon Materials as Greener Catalysts for the Oxidation of Alkanes and Alcohols. ChemCatChem, 2018, 10, 1661-1662.	3.7	0
132	Stereospecific sp3 Câ€“H oxidation with m-CPBA: A CoIII Schiff base complex as pre-catalyst vs. its CoIIICdII heterometallic derivative. Applied Catalysis A: General, 2018, 560, 171-184.	4.3	23
133	Elementary and efficient catalyst process for the Knoevenagel condensation of araldehydes with arylmethylidene malononitrile. Inorganica Chimica Acta, 2018, 471, 76-81.	2.4	6
134	Nitroaldol reaction catalyzed by arylhydrazone di- and triorganotin(IV) complexes. Journal of Organometallic Chemistry, 2018, 867, 98-101.	1.8	2
135	Homo- and heterometallic polynuclear transition metal catalysts for alkane C H bonds oxidative functionalization: Recent advances. Coordination Chemistry Reviews, 2018, 355, 199-222.	18.8	115
136	Cyanosilylation of aldehydes catalyzed by lanthanide derivatives comprising arylhydrazones of Î²-diketones. Journal of Organometallic Chemistry, 2018, 867, 102-105.	1.8	7
137	Mononuclear nickel(II) complexes with arylhydrazones of acetoacetanilide and their catalytic activity in nitroaldol reaction. Inorganica Chimica Acta, 2018, 469, 197-201.	2.4	9
138	Cyanosilylation of aldehydes catalyzed by mixed ligand copper(II) complexes. Inorganica Chimica Acta, 2018, 471, 130-136.	2.4	32
139	CO 2 + ionic liquid biphasic system for reaction/product separation in the synthesis of cyclic carbonates. Journal of Supercritical Fluids, 2018, 132, 71-75.	3.2	25
140	Alkane Functionalization: Introduction and Overview. , 2018, , 1-15.		5
141	Copper(II) Complexes of Arylhydrazone of 1H-Indene-1,3(2H)-dione as Catalysts for the Oxidation of Cyclohexane in Ionic Liquids. Catalysts, 2018, 8, 636.	3.5	3
142	Synthesis of Metallomacrocycle and Coordination Polymers with Pyridineâ€Based Amidocarboxylate Ligands and Their Catalytic Activities towards the Henry and Knoevenagel Reactions. ChemistryOpen, 2018, 7, 865-877.	1.9	20
143	Novel Methinic Functionalized and Dendritic C-Scorpionates. Molecules, 2018, 23, 3066.	3.8	9
144	Ligand Design forN,O- orN,N-Pyrazolone-Based Hydrazones Ruthenium(II)-Arene Complexes and Investigation of Their Anticancer Activity. Inorganic Chemistry, 2018, 57, 14123-14133.	4.0	47

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