

Armando J.L. Pombeiro

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.

878 papers	27,112 citations	75 h-index	106 g-index
942 ext. papers	29,160 ext. citations	4.7 avg, IF	7.43 L-index

#	Paper	IF	Citations
878	Urea and thiourea based coordination polymers and metal-organic frameworks: Synthesis, structure and applications. <i>Coordination Chemistry Reviews</i> , 2022 , 453, 214314	23.2	5
877	C-Heterogenized Re Nanoparticles as Effective Catalysts for the Reduction of 4-Nitrophenol and Oxidation of 1-Phenylethanol. <i>Catalysts</i> , 2022 , 12, 285	4	0
876	Highly Efficient Adsorptive Removal of Organic Dyes from Aqueous Solutions Using Polyaromatic Group-Containing Zn(II)-Based Coordination Polymers. <i>Crystal Growth and Design</i> , 2022 , 22, 2248-2265	3.5	2
875	Polyaromatic Carboxylate Ligands Based Zn(II) Coordination Polymers for Ultrasound-Assisted One-Pot Tandem Deacetalization-Knoevenagel Reactions. <i>Catalysts</i> , 2022 , 12, 294	4	0
874	Heterogeneous Gold Nanoparticle-Based Catalysts for the Synthesis of Click-Derived Triazoles via the Azide-Alkyne Cycloaddition Reaction. <i>Catalysts</i> , 2022 , 12, 45	4	2
873	MII ₂ Cl Interaction Supported Heterometallic {NiII ₂ SnII}{SnIV} and {NiII ₂ SnII}{SnII} Complex Salts: Possibility of Ion-Pair-Assisted Tetrel Bonds. <i>Crystal Growth and Design</i> , 2022 , 22, 341-355	3.5	1
872	Ultrasound and photo-assisted oxidation of toluene and benzyl alcohol with oxidovanadium(V) complexes. <i>Applied Catalysis A: General</i> , 2022 , 638, 118623	5.1	0
871	Chalcogen bonding in coordination chemistry. <i>Coordination Chemistry Reviews</i> , 2022 , 464, 214556	23.2	7
870	Knoevenagel condensation reaction in supercritical carbon dioxide medium using a Zn(II) coordination polymer as catalyst. <i>Inorganica Chimica Acta</i> , 2022 , 538, 120981	2.7	2
869	Benzimidazole Schiff base copper(II) complexes as catalysts for environmental and energy applications: VOC oxidation, oxygen reduction and water splitting reactions. <i>International Journal of Hydrogen Energy</i> , 2022 ,	6.7	1
868	Halogen bonding in cadmium(II) MOFs: its influence on the structure and on the nitroaldol reaction in aqueous medium.. <i>Dalton Transactions</i> , 2021 ,	4.3	1
867	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,	5.4	4
866	Recent developments in molecular sensor designs for inorganic pyrophosphate detection and biological imaging. <i>Coordination Chemistry Reviews</i> , 2021 , 431, 213744	23.2	14
865	Non-Covalent Interactions in Enantioselective Organocatalysis: Theoretical and Mechanistic Studies of Reactions Mediated by Dual H-Bond Donors, Bifunctional Squaramides, Thioureas and Related Catalysts. <i>Catalysts</i> , 2021 , 11, 569	4	5
864	Immobilization of Rh(II)-N-Xantphos and Fe(II)-C-Scorpionate onto Magnetic Nanoparticles: Reusable Catalytic System for Sequential Hydroformylation/Acetalization. <i>Catalysts</i> , 2021 , 11, 608	4	1
863	Catalytic oxidation of a model volatile organic compound (toluene) with tetranuclear Cu(II) complexes. <i>Inorganica Chimica Acta</i> , 2021 , 520, 120314	2.7	3
862	Recent Developments in Enantioselective Organocatalytic Cascade Reactions for the Construction of Halogenated Ring Systems. <i>European Journal of Organic Chemistry</i> , 2021 , 2021, 3938-3969	3.2	8

861	A benzimidazole-based new fluorogenic differential/sequential chemosensor for Cu ²⁺ , Zn ²⁺ , CN ⁻ , P2O7 ⁴⁻ , DNA, its live-cell imaging and pyrosequencing applications. <i>Sensors and Actuators B: Chemical</i> , 2021 , 337, 129785	8.5	13
860	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	5.3	1
859	Peroxides in metal complex catalysis. <i>Coordination Chemistry Reviews</i> , 2021 , 437, 213859	23.2	19
858	Water oxidation with transition metal catalysts with non-innocent ligands and its mechanisms. <i>Coordination Chemistry Reviews</i> , 2021 , 439, 213911	23.2	14
857	Naphthalimide-phenanthroimidazole incorporated new fluorescent sensor for "turn-on" Cu detection in living cancer cells. <i>Journal of Inorganic Biochemistry</i> , 2021 , 220, 111466	4.2	6
856	3,7-Diacetyl-1,3,7-triaza-5-phosphabicyclo[3.3.1]nonane (DAPTA) and derivatives: Coordination chemistry and applications. <i>Coordination Chemistry Reviews</i> , 2021 , 429, 213614	23.2	5
855	Catalytic effect of different hydroxyl-functionalised ionic liquids together with Zn(II) complex in the synthesis of cyclic carbonates from CO ₂ . <i>Molecular Catalysis</i> , 2021 , 499, 111292	3.3	2
854	Microwave-assisted synthesis of fluoroorganics 2021 , 415-488		2
853	Influence of anchoring moieties on new benzimidazole-based Schiff base copper(II) complexes towards estrogen dependent breast cancer cells. <i>Dalton Transactions</i> , 2021 , 50, 3701-3716	4.3	6
852	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	4.3	2
851	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	4	6
850	Role of Halogen Substituents on Halogen Bonding in 4,5-Dibromohexahydro-3a,6-Epoxyisoindol-1(4H)-ones. <i>Crystals</i> , 2021 , 11, 112	2.3	2
849	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	4	5
848	A novel -vanillin Fe(III) 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	4.3	1
847	Pyrene Carboxylate Ligand Based Coordination Polymers for Microwave-Assisted Solvent-Free Cyanosilylation of Aldehydes. <i>Molecules</i> , 2021 , 26,	4.8	3
846	A Mixed Valence CoCo Field-Supported Single Molecule Magnet: Solvent-Dependent Structural Variation. <i>Molecules</i> , 2021 , 26,	4.8	3
845	A Bio-Based Alginate Aerogel as an Ionic Liquid Support for the Efficient Synthesis of Cyclic Carbonates from CO ₂ and Epoxides. <i>Catalysts</i> , 2021 , 11, 872	4	2
844	Metal-free and iron(II)-assisted oxidation of cyclohexane to adipic acid with ozone: A theoretical mechanistic study. <i>Journal of Catalysis</i> , 2021 , 399, 52-66	7.3	5

- 843 Alkoxo bridged heterobimetallic CoIIISnIV compounds with face shared coordination octahedra: Synthesis, crystal structure and cyanosilylation catalysis. *Journal of Organometallic Chemistry*, **2021**, 949, 121949 2.3 1
- 842 Noncovalent Interactions at Lanthanide Complexes. *Chemistry - A European Journal*, **2021**, 27, 14370-14388 4.8 4
- 841 Platinum and palladium complexes with tetrazole ligands: Synthesis, structure and applications. *Coordination Chemistry Reviews*, **2021**, 446, 214132 23.2 8
- 840 The Chalcogen Bond in Solution: Synthesis, Catalysis and Molecular Recognition **2021**, 363-382 2
- 839 Fe(III) Complexes in Cyclohexane Oxidation: Comparison of Catalytic Activities under Different Energy Stimuli. *Catalysts*, **2020**, 10, 1175 4 2
- 838 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 4.3 3
- 837 Synthesis and catalytic activities of a Zn(ii) based metallomacrocyclic and a metal-organic framework towards one-pot deacetalization-Knoevenagel tandem reactions under different strategies: a comparative study. *Dalton Transactions*, **2020**, 49, 8075-8085 4.3 11
- 836 Cd(II) coordination compounds as heterogeneous catalysts for microwave-assisted peroxidative oxidation of toluene and 1-phenylethanol. *New Journal of Chemistry*, **2020**, 44, 9163-9171 3.6 8
- 835 New Trends in Enantioselective Cross-Dehydrogenative Coupling. *Catalysts*, **2020**, 10, 529 4 10
- 834 Resonance Assisted Chalcogen Bonding as a New Synthone in the Design of Dyes. *Chemistry - A European Journal*, **2020**, 26, 14833-14837 4.8 19
- 833 Zn(II)-to-Cu(II) Transmetalation in an Amide Functionalized Complex and Catalytic Applications in Styrene Oxidation and Nitroaldol Coupling. *Molecules*, **2020**, 25, 4.8 5
- 832 1D Copper(II)-Aroylhydrazone Coordination Polymers: Magnetic Properties and Microwave Assisted Oxidation of a Secondary Alcohol. *Frontiers in Chemistry*, **2020**, 8, 157 5 9
- 831 Phenoxazinone synthase-like catalytic activity of novel mono- and tetranuclear copper(ii) complexes with 2-benzylaminoethanol. *Dalton Transactions*, **2020**, 49, 4710-4724 4.3 12
- 830 Multinuclear Zn(II)-arylhydrazone complexes as catalysts for cyanosilylation of aldehydes. *Journal of Organometallic Chemistry*, **2020**, 912, 121171 2.3 6
- 829 Ultrasound and Radiation-Induced Catalytic Oxidation of 1-Phenylethanol to Acetophenone with Iron-Containing Particulate Catalysts. *Molecules*, **2020**, 25, 4.8 2
- 828 Biological Evaluation of Azo- and Imino-Based Carboxylate Triphenyltin(IV) Compounds. *European Journal of Inorganic Chemistry*, **2020**, 2020, 930-941 2.3 3
- 827 Supported Gold Nanoparticles as Catalysts in Peroxidative and Aerobic Oxidation of 1-Phenylethanol under Mild Conditions. *Nanomaterials*, **2020**, 10, 5.4 4
- 826 The Stereoselective Nitro-Mannich Reaction in the Synthesis of Active Pharmaceutical Ingredients and Other Biologically Active Compounds. *Frontiers in Chemistry*, **2020**, 8, 30 5 7

825	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	2.6	2
824	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,	6.3	8
823	Recent developments in vanadium-catalyzed olefin coordination polymerization. <i>Coordination Chemistry Reviews</i> , 2020 , 416, 213332	23.2	26
822	Noncovalent Interactions. <i>Chemistry International</i> , 2020 , 42, 37-40	1.6	
821	Pnictogen bonding in coordination chemistry. <i>Coordination Chemistry Reviews</i> , 2020 , 418, 213381	23.2	64
820	Well-defined nickel(II) tetrazole-saccharinate complex as homogeneous catalyst on the reduction of aldehydes: scope and reaction mechanism. <i>Pure and Applied Chemistry</i> , 2020 , 92, 151-166	2.1	5
819	ZnO nanoparticles: An efficient catalyst for transesterification reaction of keto carboxylic esters. <i>Catalysis Today</i> , 2020 , 348, 72-79	5.3	8
818	Role of substituents on resonance assisted hydrogen bonding vs. intermolecular hydrogen bonding. <i>CrystEngComm</i> , 2020 , 22, 628-633	3.3	20
817	New members of the polynuclear manganese family: MnMn single-molecule magnets and MnMn antiferromagnetic complexes. Synthesis and magnetostructural correlations. <i>Dalton Transactions</i> , 2020 , 49, 13970-13985	4.3	1
816	Fe@Hierarchical BEA Zeolite Catalyst for MW-Assisted Alcohol Oxidation Reaction: A Greener Approach. <i>Catalysts</i> , 2020 , 10, 1029	4	2
815	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. <i>Journal of Molecular Structure</i> , 2020 , 1222, 128831	3.4	8
814	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	2.7	5
813	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	5.1	2
812	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	1.8	2
811	Noncovalent Interactions in N-Heterocyclic Chemistry 2020 , 767-787		
810	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,	4.8	4
809	Modern Methods for the Synthesis of 1,4-Oxazepanes and their Benzo-Derivatives 2020 , 437-500		2
808	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,	4.8	3

807	N-Formylation of amines using arylhydrazones of malononitrile and a Cu(II) complex under eco-friendly conditions at room temperature. <i>Inorganica Chimica Acta</i> , 2020 , 513, 119938	2.7	0
806	TEMPO in metal complex catalysis. <i>Coordination Chemistry Reviews</i> , 2020 , 423, 213482	23.2	33
805	Versatility of Amide-Functionalized Co(II) and Ni(II) Coordination Polymers: From Thermochemical-Triggered Structural Transformations to Supercapacitors and Electrocatalysts for Water Splitting. <i>Inorganic Chemistry</i> , 2020 , 59, 16301-16318	5.1	7
804	Equilibria in Aqueous Cobalt(II)-Reduced Schiff Base -(2-hydroxybenzyl)alanine System: Chemical Characterization, Kinetic Analysis, Antimicrobial and Cytotoxic Properties. <i>Molecules</i> , 2020 , 25,	4.8	1
803	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	4.3	6
802	Electrochemical asymmetric synthesis of biologically active substances. <i>Organic and Biomolecular Chemistry</i> , 2020 , 18, 7026-7055	3.9	12
801	Novel H-Bonded Synthons in Copper Supramolecular Frameworks with Aminoethylpiperazine-Based Ligands. Synthesis, Structure and Catalytic Activity. <i>Materials</i> , 2020 , 13,	3.5	4
800	Application of molybdenum complexes for the oxidation of cyclohexane in acetonitrile, ionic liquid and supercritical CO ₂ media, a comparative study. <i>Molecular Catalysis</i> , 2020 , 482, 100356	3.3	9
799	Solvent-free oxidation of 1-phenylethanol catalysed by gold nanoparticles supported on carbon powder materials. <i>Catalysis Today</i> , 2020 , 357, 22-31	5.3	3
798	Commercial gold(III) complex supported on functionalized carbon materials as catalyst for cyclohexane hydrocarboxylation. <i>Catalysis Today</i> , 2020 , 357, 39-45	5.3	3
797	The role of nanoporous carbon materials in catalytic cyclohexane oxidation. <i>Catalysis Today</i> , 2020 , 357, 46-55	5.3	9
796	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	7.3	20
795	Antiproliferative activity of heterometallic sodium and potassium-dioxidovanadium(V) polymers. <i>Journal of Inorganic Biochemistry</i> , 2019 , 200, 110811	4.2	9
794	Arylhydrazone ligands as Cu-protectors and -catalysis promoters in the azide-alkyne cycloaddition reaction. <i>Dalton Transactions</i> , 2019 , 48, 1774-1785	4.3	18
793	New palladium(II) 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	3.6	7
792	Recent advances in amide functionalized metal organic frameworks for heterogeneous catalytic applications. <i>Coordination Chemistry Reviews</i> , 2019 , 395, 86-129	23.2	54
791	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	3.6	13
790	Synthesis and Structure of Copper Complexes of a N6O4 Macrocyclic Ligand and Catalytic Application in Alcohol Oxidation. <i>Catalysts</i> , 2019 , 9, 424	4	7

789	Distinctive coordination behavior of a pyrazole imine-oxime compound towards Co(II) and Ni(II). <i>Heliyon</i> , 2019 , 5, e01623	3.6	1
788	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	4	6
787	Syntheses, Structures, and Catalytic Hydrocarbon Oxidation Properties of N-Heterocycle-Sulfonated Schiff Base Copper(II) Complexes. <i>Inorganics</i> , 2019 , 7, 17	2.9	9
786	Heterometallic Co(II)Zn(II) Schiff Base Catalyst for Mild Hydroxylation of C(sp ³)H Bonds of Unactivated Alkanes: Evidence for Dual Mechanism Controlled by the Promoter. <i>Catalysts</i> , 2019 , 9, 209	4	9
785	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	4	16
784	Green oxidation of cyclohexane catalyzed by recyclable magnetic transition-metal silica coated nanoparticles. <i>Catalysis Communications</i> , 2019 , 125, 15-20	3.2	17
783	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	3.6	17
782	C-scorpionate iron(II) complexes as highly selective catalysts for the hydrocarboxylation of cyclohexane. <i>Inorganica Chimica Acta</i> , 2019 , 489, 269-274	2.7	5
781	Synergistic catalytic action of vanadia-titania composites towards the microwave-assisted benzoin oxidation. <i>Dalton Transactions</i> , 2019 , 48, 3198-3203	4.3	7
780	Nickel(II) Complexes with Redox Noninnocent Octaazamacrocycles as Catalysts in Oxidation Reactions. <i>Inorganic Chemistry</i> , 2019 , 58, 11133-11145	5.1	6
779	Ni(II)-Aroylhydrazone Complexes as Catalyst Precursors Towards Efficient Solvent-Free Nitroaldol Condensation Reaction. <i>Catalysts</i> , 2019 , 9, 554	4	6
778	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	4.3	15
777	Structural characterization and biological properties of silver(I) tris(pyrazolyl)methane sulfonate. <i>Journal of Inorganic Biochemistry</i> , 2019 , 199, 110789	4.2	11
776	Noncovalent interactions in the design of bis-azo dyes. <i>CrystEngComm</i> , 2019 , 21, 5032-5038	3.3	22
775	Hydrosoluble Complexes Bearing Tris(pyrazolyl)methane Sulfonate Ligand: Synthesis, Characterization and Catalytic Activity for Henry Reaction. <i>Catalysts</i> , 2019 , 9, 611	4	6
774	New Microbe Killers: Self-Assembled Silver(I) Coordination Polymers Driven by a Cage-like Aminophosphine. <i>Materials</i> , 2019 , 12,	3.5	5
773	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	5	12
772	Transition Metal-Based Prodrugs for Anticancer Drug Delivery. <i>Current Medicinal Chemistry</i> , 2019 , 26, 7476-7519	4.3	3

771	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	4	9
770	In Vitro Assessment of Antimicrobial, Antioxidant, and Cytotoxic Properties of Saccharin-Tetrazolyl and -Thiadiazolyl Derivatives: The Simple Dependence of the pH Value on Antimicrobial Activity. <i>Pharmaceuticals</i> , 2019 , 12,	5.2	7
769	Pentafluorophenyl Platinum(II) Complexes of PTA and its N-Allyl and N-Benzyl Derivatives: Synthesis, Characterization and Biological Activity. <i>Materials</i> , 2019 , 12,	3.5	4
768	Integrated Green Chemical Approach to the Medicinal Plant <i>Carpobrotus edulis</i> Processing. <i>Scientific Reports</i> , 2019 , 9, 18171	4.9	5
767	A new Cu(II)-O-Carvacrotonate complex: Synthesis, characterization and biological activity. <i>Journal of Inorganic Biochemistry</i> , 2019 , 190, 31-37	4.2	7
766	Pnicogen and chalcogen bonds in cyclometalated iridium(III) complexes. <i>Inorganica Chimica Acta</i> , 2018 , 477, 31-33	2.7	4
765	Evaluation of cell toxicity and DNA and protein binding of green synthesized silver nanoparticles. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 101, 137-144	7.5	26
764	characterization of arylhydrazones of active methylene derivatives. <i>Saudi Pharmaceutical Journal</i> , 2018 , 26, 430-436	4.4	2
763	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	5.1	40
762	Platinum Complexes with Chelating Acyclic Aminocarbene Ligands Work as Catalysts for Hydrosilylation of Alkynes. <i>ACS Omega</i> , 2018 , 3, 863-871	3.9	22
761	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	5.2	28
760	Copper(II) complexes with an arylhydrazone of methyl 2-cyanoacetate as effective catalysts in the microwave-assisted oxidation of cyclohexane. <i>Inorganica Chimica Acta</i> , 2018 , 471, 658-663	2.7	13
759	Tetrel, halogen and hydrogen bonds in bis(4-((E)-(2,2-dichloro-1-(4-substitutedphenyl)vinyl)diazenyl)phenyl)methane dyes. <i>Dyes and Pigments</i> , 2018 , 150, 377-381	4.6	38
758	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	5.2	17
757	A tetranuclear diphenyltin(IV) complex and its catalytic activity in the aerobic Baeyer-Villiger oxidation of cyclohexanone. <i>Journal of Organometallic Chemistry</i> , 2018 , 867, 193-200	2.3	7
756	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	5.2	
755	Stereospecific sp ³ C-H oxidation with m-CPBA: A Co(III) Schiff base complex as pre-catalyst vs. its Co(II)Cd(II) heterometallic derivative. <i>Applied Catalysis A: General</i> , 2018 , 560, 171-184	5.1	17
754	Elementary and efficient catalyst process for the Knoevenagel condensation of araldehydes with arylmethylened malononitrile. <i>Inorganica Chimica Acta</i> , 2018 , 471, 76-81	2.7	5

753	Nitroaldol reaction catalyzed by arylhydrazone di- and triorganotin(IV) complexes. <i>Journal of Organometallic Chemistry</i> , 2018 , 867, 98-101	2.3	2
752	Homo- and heterometallic polynuclear transition metal catalysts for alkane CH bonds oxidative functionalization: Recent advances. <i>Coordination Chemistry Reviews</i> , 2018 , 355, 199-222	23.2	86
751	Cyanosilylation of aldehydes catalyzed by lanthanide derivatives comprising arylhydrazones of β -diketones. <i>Journal of Organometallic Chemistry</i> , 2018 , 867, 102-105	2.3	4
750	Mononuclear nickel(II) complexes with arylhydrazones of acetoacetanilide and their catalytic activity in nitroaldol reaction. <i>Inorganica Chimica Acta</i> , 2018 , 469, 197-201	2.7	7
749	Effect of Phenolic Compounds on the Synthesis of Gold Nanoparticles and its Catalytic Activity in the Reduction of Nitro Compounds. <i>Nanomaterials</i> , 2018 , 8,	5.4	44
748	Efficient Solvent-Free Friedel-Crafts Benzoylation and Acylation of m-Xylene Catalyzed by N-Acetylpyrazine-2-carbohydrazide-Fe(III)-chloro Complexes. <i>ChemistrySelect</i> , 2018 , 3, 8349-8355	1.8	1
747	A green methodology for the selective catalytic oxidation of styrene by magnetic metal-transition ferrite nanoparticles. <i>Catalysis Communications</i> , 2018 , 116, 10-15	3.2	17
746	New Trendy Magnetic C-Scorpionate Iron Catalyst and Its Performance towards Cyclohexane Oxidation. <i>Catalysts</i> , 2018 , 8, 69	4	12
745	Highly Active and Selective Supported Rhenium Catalysts for Aerobic Oxidation of n-Hexane and n-Heptane. <i>Catalysts</i> , 2018 , 8, 114	4	4
744	Heterometallic CuFe and CuMn alkoxo-bridged complexes revealing a rare hexanuclear M(IX)(IX) molecular core. <i>Dalton Transactions</i> , 2018 , 47, 10941-10952	4.3	6
743	Recent Developments in Transition Metal-Catalyzed Cross-Dehydrogenative Coupling Reactions of Ethers and Thioethers. <i>ChemCatChem</i> , 2018 , 10, 3354-3383	5.2	43
742	Catalytic Activity of Polynuclear vs. Dinuclear Arylhydrazone Cu(II) Complexes in Microwave-Assisted Oxidation of Neat Aliphatic and Aromatic Hydrocarbons. <i>Molecules</i> , 2018 , 24,	4.8	15
741	Cyanosilylation of aldehydes catalyzed by mixed ligand copper(II) complexes. <i>Inorganica Chimica Acta</i> , 2018 , 471, 130-136	2.7	27
740	CO ₂ + ionic liquid biphasic system for reaction/product separation in the synthesis of cyclic carbonates. <i>Journal of Supercritical Fluids</i> , 2018 , 132, 71-75	4.2	15
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737	Recent Developments of Bioinspired Approaches to Functionalization of Light Alkanes 2018 , 189-210		1
736	Selective Oxidation of Alkanes by Metallo-Monooxygenases and Their Nanobiomimetics 2018 , 293-317		

735	Alkane-Oxidizing Systems Based on Metal Complexes. Radical Versus Nonradical Mechanisms1 2018 , 47-72		4
734	Alkane Oxidation with C-Scorpionate Metal Complexes 2018 , 113-123		
733	Regioselectivity of Non-heme Iron Catalysts for C-H Activation 2018 , 211-230		1
732	Imine-based Iron and Manganese Complexes as Catalysts for Alkane Functionalization 2018 , 231-249		1
731	Nontransition Metal Catalyzed Oxidation of Alkanes with Peroxides 2018 , 485-501		1
730	Alkane Oxidation with Multinuclear Heterometallic Catalysts 2018 , 125-140		2
729	Alkane Functionalization: Introduction and Overview 2018 , 1-15		3
728	Alkane Oxidation with Biologically Inspired Nonheme Iron Catalysts Based in the Triazacyclononane Ligand Scaffold 2018 , 251-268		1
727	Alkane Functionalization under Unconventional Conditions: in Ionic Liquid, in Supercritical CO ₂ , and Microwave Assisted 2018 , 523-537		
726	Noncovalent Interactions in Alkane Chemistry 2018 , 539-555		
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723	Alkane Oxidation with Vanadium and Copper Catalysts 2018 , 319-336		2
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719	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,	4.8	15
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569	Coordination chemistry of non-oxido, oxido and dioxidovanadium(IV/V) complexes with azine fragment ligands. <i>Coordination Chemistry Reviews</i> , 2014 , 265, 89-124	23.2	74
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92	Mechanism of the Electroactivation of the Metal-Hydride Bond in [ReClH(NCR)(Ph ₂ PCH ₂ CH ₂ PPh ₂) ₂][BF ₄] 1993 , 483-487		1
91	Electrochemical Ligand Parameters for Phosphonium-Functionalized Isocyanides and Derived Carbenes and Indoles of Group VI Transition Metal Carbonyls 1993 , 57-62		1
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49	Preparation of isocyanide and mixed dinitrogen-isocyanide complexes of rhenium(I) from reactions of trans-[ReCl(N ₂)(PMe ₂ Ph) ₄], mer-[Re(S ₂ PPh ₂)(N ₂)(PMe ₂ Ph) ₃], or mer-[Re(S ₂ CNEt ₂)(N ₂)(PMe ₂ Ph) ₃] with methyl isocyanide; crystal structure of mer-[Re(S ₂ PPh ₂)(N ₂)(CNMe)(PMe ₂ Ph) ₃]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1987 , 319-325		23
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25	Reactivity of carbyne and carbene complexes of molybdenum and tungsten. <i>Transition Metal Chemistry</i> , 1980 , 5, 55-59	2.1	50
24	Reactions of trans-[Mo(CNMe)2(PMe2Ph)4] and mer-[W(CNMe)3(PMe2Ph)3] complexes with methanol and with mineral acids to give amines, ammonia and hydrocarbons. <i>Transition Metal Chemistry</i> , 1980 , 5, 281-284	2.1	14
23	Mechanism of displacement of dinitrogen from cis-[Mo(N2)2(PMe2Ph)4] and trans-[Mo(N2)2(Ph2PCH2CH2PPh2)2] by isocyanides. Evidence for the first mixed complex of dinitrogen and isocyanide. <i>Journal of Organometallic Chemistry</i> , 1980 , 202, C15-C17	2.3	17
22	The substitution reactions of cis-[M(N2)2(PMe2Ph)4] (M = Mo or W) and trans-[Mo(N2)2(PMe2Ph)4] with isonitriles: An nmr study. <i>Journal of Organometallic Chemistry</i> , 1980 , 190, 297-304	2.3	19
21	The reactions of isonitrile complexes of molybdenum(0) and tungsten(0) with alkylating agents to give carbyne (aminomethyne) complexes. <i>Journal of Organometallic Chemistry</i> , 1980 , 184, 357-364	2.3	37
20	Protonation of isonitriles ligating molybdenum(0) and tungsten(0) at nitrogen giving complexes of carbyne and carbene ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1980 , 492		40
19	A carbyne complex of rhenium(V) by protonation at nitrogen of an isonitrile complex of rhenium(I). <i>Journal of Organometallic Chemistry</i> , 1979 , 175, C17-C18	2.3	14
18	The chemical oxidation and electronic spectra of the complexes -[M(CNR)2(Ph2PCH2CH2PPh2)2] (M = Mo or W). <i>Journal of Organometallic Chemistry</i> , 1979 , 179, 459-477	2.3	17
17	Hydrido-complexes of molybdenum and tungsten with isonitrile and carbyne-type ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1979 , 1585		31
16	Preparation, structure, and redox properties of isocyanide complexes of molybdenum(0) and tungsten(0). <i>Journal of the Chemical Society Dalton Transactions</i> , 1978 , 165		46

15	Formation of carbyne-like ligands by the protonation of isonitriles ligating electron-rich metal centres; X-ray structure of trans-[Mo(CNMe) ₂ (Ph ₂ PCH ₂ CH ₂ PPh ₂)]. <i>Journal of the Chemical Society Chemical Communications</i> , 1975 , 708	57
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12	Electrochemistry of Fischer Aminocarbene Complexes: Effects of Structure on Redox Properties, Electron Distribution, and Reaction Mechanisms 653-665	
11	Metal-Mediated [2+3] Dipolar Cycloaddition to Substrates with CN Triple Bond: Recent Advances 171-183	
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