

Ana P C Ribeiro

List of Publications by Year in descending order

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101
papers

2,070
citations

279487

23
h-index

276539

41
g-index

105
all docs

105
docs citations

105
times ranked

2338
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal Properties of Ionic Liquids and Ionanofluids of Imidazolium and Pyrrolidinium Liquids. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 653-661.	1.0	217
2	Catalytic Oxidation of Alcohols. <i>Advances in Organometallic Chemistry</i> , 2015, , 91-174.	0.5	142
3	Carbon dioxide-to-methanol single-pot conversion using a C-scorpionate iron(II) catalyst. <i>Green Chemistry</i> , 2017, 19, 4811-4815.	4.6	94
4	Application of Ionic Liquids in Electrochemistry—Recent Advances. <i>Molecules</i> , 2020, 25, 5812.	1.7	83
5	New Trends in the Conversion of CO ₂ to Cyclic Carbonates. <i>Catalysts</i> , 2020, 10, 479.	1.6	71
6	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, 320.	1.9	66
7	A new insight into pure and water-saturated quaternary phosphonium-based carboxylate ionic liquids: Density, heat capacity, ionic conductivity, thermogravimetric analysis, thermal conductivity and viscosity. <i>Journal of Chemical Thermodynamics</i> , 2018, 121, 97-111.	1.0	59
8	Catalytic oxidation of cyclohexane with hydrogen peroxide and a tetracopper(II) complex in an ionic liquid. <i>Comptes Rendus Chimie</i> , 2015, 18, 758-765.	0.2	51
9	Understanding the heat capacity enhancement in ionic liquid-based nanofluids (ionanofluids). <i>Journal of Molecular Liquids</i> , 2018, 253, 326-339.	2.3	51
10	Highly efficient and reusable CNT supported iron(II) catalyst for microwave assisted alcohol oxidation. <i>Dalton Transactions</i> , 2016, 45, 6816-6819.	1.6	46
11	Further development of the predictive models for physical properties of pure ionic liquids: Thermal conductivity and heat capacity. <i>Journal of Chemical Thermodynamics</i> , 2018, 118, 1-15.	1.0	45
12	Polynuclear Copper(II) Complexes as Catalysts for the Peroxidative Oxidation of Cyclohexane in a Room-Temperature Ionic Liquid. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 4541-4550.	1.0	43
13	N ₂ 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.	4.6	43
14	Thermal Conductivity of [C _n mim][CF ₃ SO ₂] ₂ and [C ₄ mim][BF ₄] Ionanofluids with Carbon Nanotubes—Measurement, Theory and Structural Characterization. <i>Journal of Nanofluids</i> , 2013, 2, 55-62.	1.4	43
15	Evaluation of cell toxicity and DNA and protein binding of green synthesized silver nanoparticles. <i>Biomedicine and Pharmacotherapy</i> , 2018, 101, 137-144.	2.5	42
16	Thermophysical and magnetic studies of two paramagnetic liquid salts: [C ₄ mim][FeCl ₄] and [P66614][FeCl ₄]. <i>Fluid Phase Equilibria</i> , 2013, 350, 43-50.	1.4	41
17	An efficient Cu(II)-bis(oxazoline)-based polymer immobilised ionic liquid phase catalyst for asymmetric carbon-carbon bond formation. <i>Green Chemistry</i> , 2014, 16, 1470-1479.	4.6	35
18	Heterogenized Scorpionate Iron(II) Complex on Nanostructured Carbon Materials as Recyclable Catalysts for Microwave-Assisted Oxidation Reactions. <i>ChemCatChem</i> , 2018, 10, 1821-1828.	1.8	35

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19	Tuning Cyclohexane Oxidation: Combination of Microwave Irradiation and Ionic Liquid with the C-Scorpionate [FeCl ₂ (Tpm)] Catalyst. <i>Organometallics</i> , 2017, 36, 192-198.	1.1	32
20	Ionic liquid-based nanofluids (ionanofluids) for thermal applications: an experimental thermophysical characterization. <i>Pure and Applied Chemistry</i> , 2019, 91, 1309-1340.	0.9	29
21	A Cu(II) MOF with a flexible bifunctionalised terpyridine as an efficient catalyst for the single-pot hydrocarboxylation of cyclohexane to carboxylic acid in water/ionic liquid medium. <i>Dalton Transactions</i> , 2016, 45, 12779-12789.	1.6	28
22	Biomolecular interaction, catecholase like activity and alkane oxidation in ionic liquids of a phenylcarbohydrazone-based monocopper(II) complex. <i>Inorganica Chimica Acta</i> , 2016, 450, 426-436.	1.2	28
23	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.	2.2	25
24	Asymmetric Carbon-Carbon Bond Forming Reactions Catalysed by Metal(II) Bis(oxazoline) Complexes Immobilized using Supported Ionic Liquids. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 995-1004.	2.1	24
25	Electrical Conductivity and Viscosity of 1-Hexyl-3-methylimidazolium Bis(trifluorosulfonyl)imide, [C6mim] [(CF ₃ SO ₂) ₂ N] (CAS-RN# 382150-50-7). <i>International Journal of Thermophysics</i> , 2010, 31, 1869-1879.	1.0	23
26	Thermal Conductivity of Humid Air. <i>International Journal of Thermophysics</i> , 2012, 33, 1686-1703.	1.0	23
27	Syntheses and crystal structures of benzene-sulfonate and -carboxylate copper polymers and their application in the oxidation of cyclohexane in ionic liquid under mild conditions. <i>Dalton Transactions</i> , 2016, 45, 13957-13968.	1.6	23
28	Supported Scorpionate Vanadium(IV) Complexes as Reusable Catalysts for Xylene Oxidation. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1915-1919.	1.7	23
29	Thermal Conductivity Enhancement Phenomena in Ionic Liquid-Based Nanofluids (Ionanofluids). <i>Australian Journal of Chemistry</i> , 2019, 72, 21.	0.5	23
30	Pool Boiling of Nanofluids on Biphilic Surfaces: An Experimental and Numerical Study. <i>Nanomaterials</i> , 2021, 11, 125.	1.9	23
31	Effect of nanoparticles concentration on the characteristics of nanofluid sprays for cooling applications. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 3375-3386.	2.0	22
32	Zn ^{II} and Cd ^{II} MOFs based on an amidoisophthalic acid ligand: synthesis, structure and catalytic application in transesterification. <i>RSC Advances</i> , 2016, 6, 89007-89018.	1.7	21
33	Gold Nanoparticles Deposited on Surface Modified Carbon Xerogels as Reusable Catalysts for Cyclohexane C-H Activation in the Presence of CO and Water. <i>Molecules</i> , 2017, 22, 603.	1.7	21
34	Nickel(II)-2-amino-4-alkoxy-1,3,5-triazapentadienate complexes as catalysts for Heck and Henry reactions. <i>RSC Advances</i> , 2016, 6, 29159-29163.	1.7	18
35	Catalytic Performance of Fe(II)-Scorpionate Complexes towards Cyclohexane Oxidation in Organic, Ionic Liquid and/or Supercritical CO ₂ Media: A Comparative Study. <i>Catalysts</i> , 2017, 7, 230.	1.6	18
36	Relative Permittivities of 1,1,1,2,3,3,3-Heptafluoropropane (HFC-227ea), 1,1,1,2,3,3,3-Hexafluoropropane (HFC-236ea), and 1,1,1,3,3-Pentafluorobutane (HFC-365mfc) in the Liquid Phase. <i>Journal of Chemical & Engineering Data</i> , 2007, 52, 2041-2049.	1.0	17

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37	Arylhydrazone Cd(II) and Cu(II) complexes as catalysts for secondary alcohol oxidation. <i>Polyhedron</i> , 2017, 129, 182-188.	1.0	17
38	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.	1.2	15
39	New Trendy Magnetic C-Scorpionate Iron Catalyst and Its Performance towards Cyclohexane Oxidation. <i>Catalysts</i> , 2018, 8, 69.	1.6	15
40	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.	1.0	15
41	Nanofluids Characterization for Spray Cooling Applications. <i>Symmetry</i> , 2021, 13, 788.	1.1	15
42	Thermal Properties of Ionic Liquids and Ionanofluids. , 0, , .		14
43	Liquid phase oxidation of xylenes catalyzed by the tripodal C-scorpionate iron(II) complex [FeCl ₂ {1 ³ -HC(pz) ₃ }. <i>Polyhedron</i> , 2017, 125, 151-155.	1.0	14
44	Thermophysical Properties of 1-Butyl-3-methylimidazolium tris(pentafluoroethyl)trifluorophosphate, [C ₄ mim][C ₂ F ₅] ₃ PF ₃ , and of Its Ionanofluid with Multi-Walled Carbon Nanotubes. <i>Journal of Chemical & Engineering Data</i> , 2021, 66, 1717-1729.	1.0	14
45	The influence of multiwalled carbon nanotubes and graphene oxide additives on the catalytic activity of 3d metal catalysts towards 1-phenylethanol oxidation. <i>Journal of Molecular Catalysis A</i> , 2017, 426, 557-563.	4.8	13
46	Copper(II) coordination polymers of arylhydrazone of 1H-indene-1,3(2H)-dione linked by 4,4'-bipyridine or hexamethylenetetramine: Evaluation of catalytic activity in Henry reaction. <i>Polyhedron</i> , 2017, 133, 33-39.	1.0	12
47	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.	1.6	12
48	Thermofluid Characterization of Nanofluid Spray Cooling Combining Phase Doppler Interferometry with High-Speed Visualization and Time-Resolved IR Thermography. <i>Energies</i> , 2020, 13, 5864.	1.6	12
49	Adipic Acid Route: Oxidation of Cyclohexene vs. Cyclohexane. <i>Catalysts</i> , 2020, 10, 1443.	1.6	11
50	Dielectric properties of liquid refrigerants: Facts and trends. <i>International Journal of Refrigeration</i> , 2011, 34, 393-401.	1.8	10
51	Using chiral ionic liquid additives to enhance asymmetric induction in a Diels-Alder reaction. <i>Dalton Transactions</i> , 2017, 46, 1704-1713.	1.6	10
52	Simple solvent-free preparation of dispersed composites and their application as catalysts in oxidation and hydrocarboxylation of cyclohexane. <i>Materials Today Chemistry</i> , 2017, 5, 52-62.	1.7	10
53	Effect of Graphene vs. Reduced Graphene Oxide in Gold Nanoparticles for Optical Biosensors: A Comparative Study. <i>Biosensors</i> , 2022, 12, 163.	2.3	10
54	Comparison of microwave and mechanochemical energy inputs in the catalytic oxidation of cyclohexane. <i>Dalton Transactions</i> , 2018, 47, 8193-8198.	1.6	9

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55	Glycerol Role in Nano Oxides Synthesis and Catalysis. <i>Catalysts</i> , 2020, 10, 1406.	1.6	9
56	A Simulation Study of Surface Plasmons in Metallic Nanoparticles: Dependence on the Properties of an Embedding aâ€Si:H Matrix. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700487.	0.8	8
57	Thermofluid characterization of nanofluids in spray cooling. <i>Applied Thermal Engineering</i> , 2022, 210, 118411.	3.0	8
58	Dielectric properties of 1,1,1-trifluoroethane (HFC-143a) in the liquid phase. <i>Fluid Phase Equilibria</i> , 2009, 275, 152-158.	1.4	7
59	Synthesis, Properties and Physical Applications of IoNanofluids. , 0, , .		7
60	Analysis of metallic nanoparticles embedded in thin film semiconductors for optoelectronic applications. <i>Optical and Quantum Electronics</i> , 2018, 50, 1.	1.5	7
61	Synergistic catalytic action of vanadiaâ€™titania composites towards the microwave-assisted benzoin oxidation. <i>Dalton Transactions</i> , 2019, 48, 3198-3203.	1.6	7
62	Solvent-free oxidation of 1-phenylethanol catalysed by gold nanoparticles supported on carbon powder materials. <i>Catalysis Today</i> , 2020, 357, 22-31.	2.2	7
63	Catalytic Performance of a Magnetic Core-Shell Iron(II) C-Scorpionate under Unconventional Oxidation Conditions. <i>Nanomaterials</i> , 2020, 10, 2111.	1.9	7
64	Green synthesis of zinc oxide particles with apple-derived compounds and their application as catalysts in the transesterification of methyl benzoates. <i>Dalton Transactions</i> , 2020, 49, 6488-6494.	1.6	7
65	Supported Gold Nanoparticles as Catalysts in Peroxidative and Aerobic Oxidation of 1-Phenylethanol under Mild Conditions. <i>Nanomaterials</i> , 2020, 10, 151.	1.9	7
66	Novel Correlations between Spectroscopic and Morphological Properties of Activated Carbons from Waste Coffee Grounds. <i>Processes</i> , 2021, 9, 1637.	1.3	7
67	Mononuclear copper(ii) complexes of an arylhydrazone of 1H-indene-1,3(2H)-dione as catalysts for the oxidation of 1-phenylethanol in ionic liquid medium. <i>RSC Advances</i> , 2016, 6, 83412-83420.	1.7	6
68	Ball milling as an effective method to prepare magnetically recoverable heterometallic catalysts for alcohol oxidation. <i>Inorganica Chimica Acta</i> , 2017, 455, 653-658.	1.2	6
69	Elementary and efficient catalyst process for the Knoevenagel condensation of araldehdes with arylmethylidene malononitrile. <i>Inorganica Chimica Acta</i> , 2018, 471, 76-81.	1.2	6
70	New C-scorpionate nickel(II) catalyst for Heck Câ€™C coupling under unconventional conditions. <i>Journal of Organometallic Chemistry</i> , 2019, 896, 32-37.	0.8	6
71	C-scorpionate iron(II) complexes as highly selective catalysts for the hydrocarboxylation of cyclohexane. <i>Inorganica Chimica Acta</i> , 2019, 489, 269-274.	1.2	6
72	Spin state, electronic structure and bonding on C-scorpionate [Fe(II)Cl2(tpm)] catalyst: An experimental and computational study. <i>Catalysis Today</i> , 2020, 358, 403-411.	2.2	6

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73	The Impact of Alumina Nanofluids on Pool Boiling Performance on Biphilic Surfaces for Cooling Applications. <i>Energies</i> , 2022, 15, 372.	1.6	6
74	Relative Permittivity and Dipole Moments of Replacement Refrigerant Mixtures (R408A and R409A) in the Liquid State. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 378-387.	1.0	5
75	Reduced Graphene Oxide Composite with Oxidizable Manganese/Cobalt Mixed Oxide for <i>p</i> -Cresol Oxidation by Using Molecular Oxygen. <i>ChemPlusChem</i> , 2015, 80, 1164-1169.	1.3	5
76	Gold Nanotriangles as Selective Catalysts for Cyclohexanol and Cyclohexanone Production. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2655.	1.3	5
77	Commercial gold(III) complex supported on functionalized carbon materials as catalyst for cyclohexane hydrocarboxylation. <i>Catalysis Today</i> , 2020, 357, 39-45.	2.2	5
78	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.	1.7	5
79	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.	1.7	5
80	Ultrasound and Radiation-Induced Catalytic Oxidation of 1-Phenylethanol to Acetophenone with Iron-Containing Particulate Catalysts. <i>Molecules</i> , 2020, 25, 740.	1.7	5
81	Immobilization of His-tagged proteins on NiO foams for recyclable enzymatic reactors. <i>Applied Surface Science</i> , 2021, 537, 147848.	3.1	5
82	Unprecedented Use of NHC Gold (I) Complexes as Catalysts for the Selective Oxidation of Ethane to Acetic Acid. <i>Materials</i> , 2021, 14, 4294.	1.3	5
83	Molybdenum(II) Complexes with $\hat{I}\pm$ -Diimines: Catalytic Activity in Organic and Ionic Liquid Solvents. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3922-3932.	1.0	4
84	Heat Transfer and Fluid Dynamics of Nanofluid Droplets Impacting on a Smooth Heated Surface: Detailing Temporal Scale Effects by Using Time-Resolved Thermography. <i>Heat Transfer Engineering</i> , 2021, 42, 1720-1731.	1.2	4
85	Effect of alumina nanofluids on bubble dynamics and heat transfer under quiescent conditions. <i>International Journal of Thermofluids</i> , 2022, 15, 100168.	4.0	4
86	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.	1.6	3
87	Plasmonic properties of gold nanospheres coupled to reduced graphene oxide for biosensing applications *. , 2019, , .		3
88	Efficient and Reusable Iron Catalyst to Convert CO ₂ into Valuable Cyclic Carbonates. <i>Molecules</i> , 2021, 26, 1089.	1.7	3
89	The importance of green chemistry metrics. , 2021, , 37-62.		2
90	Heat transfer in nanofluid spray cooling of a solid heated surface for cooling systems in civil and military applications. , 2021, 1, .		2

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91	Mechanochemical Activation and Catalysis. RSC Catalysis Series, 2019, , 548-563.	0.1	2
92	Simulation of localized surface plasmon in metallic nanoparticles embedded in amorphous silicon. , 2017, , .		2
93	Highly Selective Cyclohexane Oxidation Catalyzed by Ferrocene in Ionic Liquid Medium. Letters in Organic Chemistry, 2017, 14, .	0.2	2
94	Tailored 3D Foams Decorated with Nanostructured Manganese Oxide for Asymmetric Electrochemical Capacitors. Journal of the Electrochemical Society, 2022, 169, 020511.	1.3	2
95	C-Heterogenized Re Nanoparticles as Effective Catalysts for the Reduction of 4-Nitrophenol and Oxidation of 1-Phenylethanol. Catalysts, 2022, 12, 285.	1.6	2
96	Characterization of Plasmonic Effects in AuNP+rGO Composite as a Sensing Layer for a Low-cost Lab-on-chip Biosensor. , 2019, , .		1
97	Optical properties of metal nanoparticles embedded in amorphous silicon analysed using discrete dipole approximation. , 2018, , .		1
98	Characterization of AuNPs+rGO as a functionalized layer for LSPR sensors. Materials Letters: X, 2020, 5, 100032.	0.3	0
99	Glycerol: The liquid support for nanocatalysts. , 2021, , 585-612.		0
100	Commercial Gold Complexes Supported on Functionalised Carbon Materials as Efficient Catalysts for the Direct Oxidation of Ethane to Acetic Acid. Catalysts, 2022, 12, 165.	1.6	0
101	Unprecedented Mechanochemical Synthesis and Heterogenization of a C-Scorpionate Au(III) Catalyst for Microwave-Assisted Biomass Valorization. Nanomaterials, 2022, 12, 362.	1.9	0