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List of Publications by Year
in descending order

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108 papers	5,105 citations	109264 35 h-index	91828 69 g-index
124 all docs	124 docs citations	124 times ranked	4701 citing authors

#	Article	IF	Citations
1	Highly Selective and Multigram Hydrogenation of Citral into Citronellal by Palladium Nanoparticles in Water. ACS Sustainable Chemistry and Engineering, 2022, 10, 5500-5506.	3.2	3
2	Selective palladium nanoparticles-catalyzed hydrogenolysis of industrially targeted epoxides in water. Journal of Catalysis, 2021, 396, 261-268.	3.1	10
3	Simulation and optimization of the removal of toluene in air by ozonation with a catalytic open-cell foam. Chemical Engineering Research and Design, 2021, 168, 453-464.	2.7	3
4	Remediation of Diethyl Phthalate in Aqueous Effluents with TiO2-Supported Rh0 Nanoparticles as Multicatalytic Materials. Catalysts, 2021, 11, 1166.	1.6	1
5	Impact of the charge transfer process on the Fe2+/Fe3+distribution at Fe3O4 magnetic surface induced by deposited Pd clusters. Surface Science, 2021, 712, 121879.	0.8	3
6	Development of a Sustainable Heterogeneous Catalyst Based on an Open-Cell Glass Foam Support: Application in Gas-Phase Ozone Decomposition. ACS Sustainable Chemistry and Engineering, 2020, 8, 2854-2864.	3.2	7
7	Novel and Sustainable Catalytic Ruthenium-Doped Glass Foam for Thermocatalytic Oxidation of Volatile Organic Compounds: An Experimental and Modeling Study. Industrial & Engineering Chemistry Research, 2020, 59, 14758-14766.	1.8	5
8	Multigram Scale-up of the Selective Hydrogenation of Î±-Pinene with Ruthenium Nanoparticles in Water. ACS Sustainable Chemistry and Engineering, 2020, 8, 5985-5993.	3.2	9
9	Ruthenium Trichloride Catalyst in Water: Ru Colloids versus Ru Dimer Characterization Investigations. Inorganic Chemistry, 2019, 58, 4141-4151.	1.9	16
10	Catalytic Oxidation Processes for the Upgrading of Terpenes: State-of-the-Art and Future Trends. Catalysts, 2019, 9, 893.	1.6	21
11	Novel access to verbenone via ruthenium nanoparticles-catalyzed oxidation of Î±-pinene in neat water. Applied Catalysis A: General, 2018, 550, 266-273.	2.2	23
12	Odyssey in Polyphasic Catalysis by Metal Nanoparticles. Chemical Record, 2016, 16, 2127-2141.	2.9	15
13	Active hydrogenation Rh nanocatalysts protected by new self-assembled supramolecular complexes of cyclodextrins and surfactants in water. RSC Advances, 2016, 6, 108125-108131.	1.7	9
14	Water soluble polymerâ€“surfactant complexes-stabilized Pd(0) nanocatalysts: Characterization and structureâ€“activity relationships in biphasic hydrogenation of alkenes and Î±,Î²-unsaturated ketones. Journal of Catalysis, 2016, 340, 144-153.	3.1	23
15	Highly Selective Cycloalkane Oxidation in Water with Ruthenium Nanoparticles. ChemCatChem, 2016, 8, 357-362.	1.8	10
16	Toluene total oxidation over Pd and Au nanoparticles supported on hydroxyapatite. Comptes Rendus Chimie, 2016, 19, 525-537.	0.2	33
17	Magnetically Retrievable Rh(0) Nanocomposite as Relevant Catalyst for Mild Hydrogenation of Functionalized Arenes in Water. ACS Sustainable Chemistry and Engineering, 2016, 4, 1834-1839.	3.2	28
18	Efficient catalytic ozonation by ruthenium nanoparticles supported on SiO 2 or TiO 2 : Towards the use of a non-woven fiber paper as original support. Chemical Engineering Journal, 2016, 289, 374-381.	6.6	23

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19	Experimental and theoretical evidences of the influence of hydrogen bonding on the catalytic activity of a series of 2-hydroxy substituted quaternary ammonium salts in the styrene oxide/CO2 coupling reaction. Journal of Catalysis, 2016, 333, 29-39.	3.1	66
20	From hydroxycetylammonium salts to their chiral counterparts. A library of efficient stabilizers of Rh(0) nanoparticles for catalytic hydrogenation in water. Catalysis Today, 2015, 247, 90-95.	2.2	8
21	Magnetically Recoverable Palladium(0) Nanocomposite Catalyst for Hydrogenation Reactions in Water. ChemCatChem, 2015, 7, 309-315.	1.8	37
22	Organometallic synthesis of water-soluble ruthenium nanoparticles in the presence of sulfonated diphosphines and cyclodextrins. Materials Research Society Symposia Proceedings, 2014, 1675, 219-225.	0.1	2
23	Tunable hydroxylated surfactants: an efficient toolbox towards anisotropic gold nanoparticles. RSC Advances, 2014, 4, 25875-25879.	1.7	9
24	Simple procedure for vacant POM-stabilized palladium (0) nanoparticles in water: structural and dispersive effects of lacunary polyoxometalates. RSC Advances, 2014, 4, 26491-26498.	1.7	28
25	Cyclodextrin-based systems for the stabilization of metallic(0) nanoparticles and their versatile applications in catalysis. Catalysis Today, 2014, 235, 20-32.	2.2	83
26	Calcium trifluoroacetate as an efficient catalyst for ring-opening of epoxides by amines under solvent-free conditions. Acta Chimica Slovenica, 2014, 61, 67-72.	0.2	6
27	From Hydroxyalkylammonium Salts to Protected-Rh(0) Nanoparticles for Catalysis in Water: Comparative Studies of the Polar Heads. Topics in Catalysis, 2013, 56, 1220-1227.	1.3	18
28	Î²-Cyclodextrins grafted with chiral amino acids: A promising supramolecular stabilizer of nanoparticles for asymmetric hydrogenation?. Applied Catalysis A: General, 2013, 467, 497-503.	2.2	15
29	New and tunable hydroxylated driving agents for the production of tailor-made gold nanorods. RSC Advances, 2013, 3, 18292.	1.7	9
30	Efficient Ruthenium Nanocatalysts in Liquidâ€"Liquid Biphasic Hydrogenation Catalysis: Towards a Supramolecular Control through a Sulfonated Diphosphineâ€"Cyclodextrin Smart Combination. ChemCatChem, 2013, 5, 3802-3811.	1.8	29
31	Methylated Î²â€Cyclodextrinâ€Capped Ruthenium Nanoparticles: Synthesis Strategies, Characterization, and Application in Hydrogenation Reactions. ChemCatChem, 2013, 5, 1497-1503.	1.8	36
32	About the Use of Rhodium Nanoparticles in Hydrogenation and Hydroformylation Reactions. Current Organic Chemistry, 2013, 17, 364-399.	0.9	47
33	Moving from surfactant-stabilized aqueous rhodium (0) colloidal suspension to heterogeneous magnetite-supported rhodium nanocatalysts: Synthesis, characterization and catalytic performance in hydrogenation reactions. Catalysis Today, 2012, 183, 124-129.	2.2	27
34	Cyclodextrins as growth controlling agents for enhancing the catalytic activity of PVP-stabilized Ru(0) nanoparticles. Chemical Communications, 2012, 48, 3451.	2.2	35
35	Alkyl sulfonated diphosphines-stabilized ruthenium nanoparticles as efficient nanocatalysts in hydrogenation reactions in biphasic media. Catalysis Today, 2012, 183, 34-41.	2.2	38
36	Chiral Ammoniumâ€Capped Rhodium(0) Nanocatalysts: Synthesis, Characterization, and Advances in Asymmetric Hydrogenation in Neat Water. ChemSusChem, 2012, 5, 91-101.	3.6	30

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37	PTAâ€Stabilized Ruthenium and Platinum Nanoparticles: Characterization and Investigation in Aqueous Biphasic Hydrogenation Catalysis. European Journal of Inorganic Chemistry, 2012, 2012, 1229-1236.	1.0	51
38	N-Donor ligands based on bipyridine and ionic liquids: an efficient partnership to stabilize rhodium colloids. Focus on oxygen-containing compounds hydrogenation. Physical Chemistry Chemical Physics, 2011, 13, 13510.	1.3	39
39	Rh(0) colloids supported on TiO2: a highly active and pertinent tandem in neat water for the hydrogenation of aromatics. Green Chemistry, 2011, 13, 1766.	4.6	57
40	New ammonium surfactant-stabilized rhodium(0) colloidal suspensions: Influence of novel counter-anions on physico-chemical and catalytic properties. Dalton Transactions, 2011, 40, 6524.	1.6	48
41	Using click chemistry to access mono- and ditopic Î²-cyclodextrin hosts substituted by chiral amino acids. Carbohydrate Research, 2011, 346, 210-218.	1.1	18
42	Chemically modified cyclodextrins as supramolecular tools to generate carbon-supported ruthenium nanoparticles: An application towards gas phase hydrogenation. Applied Catalysis A: General, 2011, 391, 334-341.	2.2	24
43	Tandem dehalogenationâ€“hydrogenation reaction of halogenoarenes as model substrates of endocrine disruptors in water: Rhodium nanoparticles in suspension vs. on silica support. Applied Catalysis A: General, 2011, 394, 215-219.	2.2	25
44	Noble Metal Nanoparticles Stabilized by Cyclodextrins: A Pertinent Partnership for Catalytic Applications. Current Organic Chemistry, 2010, 14, 1266-1283.	0.9	18
45	TiO2-supported Rh nanoparticles: From green catalyst preparation to application in arene hydrogenation in neat water. Green Chemistry, 2010, 12, 1167.	4.6	42
46	Nâ€Methylephedrium Salts as Chiral Surfactants for Asymmetric Hydrogenation in Neat Water with Rhodium(0) Nanocatalysts. ChemSusChem, 2010, 3, 1276-1279.	3.6	17
47	Investigation of the role of stabilizing agent molecules in the heterogeneous nucleation of rhodium(0) nanoparticles onto Al-SBA-15 supports. Studies in Surface Science and Catalysis, 2010, , 145-152.	1.5	0
48	Ca(CF3COO)2: An efficient Lewis acid catalyst for chemo- and regio-selective enamination of Î²-dicarbonyl compounds. Catalysis Communications, 2010, 11, 442-446.	1.6	28
49	Carbohydrateâ€Derived 1,3â€Diphosphite Ligands as Chiral Nanoparticle Stabilizers: Promising Catalytic Systems for Asymmetric Hydrogenation. ChemSusChem, 2009, 2, 769-779.	3.6	54
50	Imidazolium-functionalized bipyridine derivatives: a promising family of ligands for catalytical Rh(0) colloids. Tetrahedron Letters, 2009, 50, 6531-6533.	0.7	36
51	Rhodium colloidal suspension deposition on porous silica particles by dry impregnation: Study of the influence of the reaction conditions on nanoparticles location and dispersion and catalytic reactivity. Chemical Engineering Journal, 2009, 151, 372-379.	6.6	18
52	Catalytically active nanoparticles stabilized by hostâ€“guest inclusion complexes in water. Chemical Communications, 2009, , 1228.	2.2	59
53	Polyhydroxylated ammonium chloride salt: a new efficient surfactant for nanoparticles stabilisation in aqueous media. Characterization and application in catalysis. Dalton Transactions, 2009, , 7356.	1.6	40
54	Model arenes hydrogenation with silica-supported rhodium nanoparticles: The role of the silica grains and of the solvent on catalytic activities. Catalysis Communications, 2009, 10, 1235-1239.	1.6	27

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55	2-Aminopyridineâ€"a label for bridging of oligosaccharides HPLC profiling and glycoarray printing. Glycoconjugate Journal, 2008, 25, 11-14.	1.4	7
56	Carbonâ€Supported Ruthenium Nanoparticles Stabilized by Methylated Cyclodextrins: A New Family of Heterogeneous Catalysts for the Gasâ€Phase Hydrogenation of Arenes. Chemistry - A European Journal, 2008, 14, 8090-8093.	1.7	34
57	Rhodium Colloidal Suspensions Stabilised by Polyâ€Nâ€donor Ligands in Nonâ€Aqueous Ionic Liquids: Preliminary Investigation into the Catalytic Hydrogenation of Arenes. ChemSusChem, 2008, 1, 984-987.	3.6	33
58	Synthesis of Bipyridineâ€Stabilized Rhodium Nanoparticles in Nonâ€Aqueous Ionic Liquids: A New Efficient Approach for Arene Hydrogenation with Nanocatalysts. Advanced Synthesis and Catalysis, 2008, 350, 153-159.	2.1	67
59	N-(2-hydroxyethyl)ammonium derivatives as protective agents for Pd(0) nanocolloids and catalytic investigation in Suzuki reactions in aqueous media. Catalysis Communications, 2008, 10, 68-70.	1.6	14
60	Diphosphite ligands derived from carbohydrates as stabilizers for ruthenium nanoparticles: promising catalytic systems in arene hydrogenation. Chemical Communications, 2008, , 2759.	2.2	65
61	A surfactant-assisted preparation of well dispersed rhodium nanoparticles within the mesopores of AlSBA-15: characterization and use in catalysis. Chemical Communications, 2008, , 2920.	2.2	32
62	Rhodium Nanocatalysts Stabilized by Various Bipyridine Ligands in Nonaqueous Ionic Liquids: Influence of the Bipyridine Coordination Modes in Arene Catalytic Hydrogenation. Inorganic Chemistry, 2008, 47, 9090-9096.	1.9	70
63	Influence of the location of Rh(0) particles within MCM-41 materials on the selectivity of hydrogenation reactions. Studies in Surface Science and Catalysis, 2007, 165, 729-732.	1.5	0
64	Methylated cyclodextrins: an efficient protective agent in water for zerovalent ruthenium nanoparticles and a supramolecular shuttle in alkene and arene hydrogenation reactions. Dalton Transactions, 2007, , 5714.	1.6	65
65	Synthesis of new functionalized polymers and their use as stabilizers of Pd, Pt, and Rh nanoparticles. Preliminary catalytic studies. Journal of Applied Polymer Science, 2007, 105, 2772-2782.	1.3	20
66	Nanoheterogeneous Catalytic Hydrogenation of Arenes: Evaluation of the Surfactantâ€Stabilized Aqueous Ruthenium(0) Colloidal Suspension. Advanced Synthesis and Catalysis, 2007, 349, 2326-2330.	2.1	71
67	Competitive hydrogenation/dehalogenation of halogenoarenes with surfactant-stabilized aqueous suspensions of rhodium and palladium colloids: A major effect of the metal nature. Journal of Molecular Catalysis A, 2007, 266, 221-225.	4.8	39
68	A simple and reproducible method for the synthesis of silica-supported rhodium nanoparticles and their investigation in the hydrogenation of aromatic compounds. New Journal of Chemistry, 2006, 30, 1214-1219.	1.4	77
69	Supramolecular shuttle and protective agent: a multiple role of methylated cyclodextrins in the chemoselective hydrogenation of benzene derivatives with ruthenium nanoparticles. Chemical Communications, 2006, , 296-298.	2.2	84
70	Reduced forms of Rh(III) containing MCM-41 silicas as hydrogenation catalysts for arene derivatives. Journal of Molecular Catalysis A, 2006, 259, 91-98.	4.8	36
71	Organic phase stabilization of rhodium nanoparticle catalyst by direct phase transfer from aqueous solution to room temperature ionic liquid based on surfactant counter anion exchange. Chemical Communications, 2005, , 2838.	2.2	41
72	Development and biodistribution of 188 Re-SSS lipiodol following injection into the hepatic artery of healthy pigs. European Journal of Nuclear Medicine and Molecular Imaging, 2004, 31, 542-546.	3.3	31

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73	Surfactant-Stabilized Aqueous Iridium(0) Colloidal Suspension: An Efficient Reusable Catalyst for Hydrogenation of Arenes in Biphasic Media. Advanced Synthesis and Catalysis, 2004, 346, 72-76.	2.1	120
74	Nanoheterogeneous catalytic hydrogenation of N-, O- or S-heteroaromatic compounds by re-usable aqueous colloidal suspensions of rhodium(0). Inorganica Chimica Acta, 2004, 357, 3099-3103.	1.2	38
75	Enantioselective hydrogenation of ethyl pyruvate in biphasic liquid?liquid media by reusable surfactant-stabilized aqueous suspensions of platinum nanoparticles. Journal of Catalysis, 2004, 225, 1-6.	3.1	46
76	Development of 99mTc labelled Lipiodol: biodistribution following injection into the hepatic artery of the healthy pig. Nuclear Medicine Communications, 2004, 25, 291-297.	0.5	14
77	Synthesis and characterization of new99mTc-radiopharmaceuticals with dithiobenzoate derivatives for the study of septic inflammatory processes. Journal of Labelled Compounds and Radiopharmaceuticals, 2003, 46, 319-331.	0.5	7
78	Arene Hydrogenation with a Stabilised Aqueous Rhodium(0) Suspension: A Major Effect of the Surfactant Counter-Anion. Advanced Synthesis and Catalysis, 2003, 345, 222-229.	2.1	122
79	Reduced Transition Metal Colloids: A Novel Family of Reusable Catalysts?. ChemInform, 2003, 34, no.	0.1	1
80	Synthesis and Characterization of the â€œSulfur-Richâ€• Bis(perthiobenzoato)(dithiobenzoato)technetium(III) Heterocomplex. Inorganic Chemistry, 2002, 41, 598-601.	1.9	38
81	Chelated Hydrazido(3â˜)rhenium(V) Complexes:Â On the Way to the Nitridoâ˜M(V) Core (M = Tc, Re). Inorganic Chemistry, 2002, 41, 1591-1597.	1.9	9
82	Aqueous Rhodium Colloidal Suspension in Reduction of Arene Derivatives in Biphasic System: a Significant Physico-chemical Role of Surfactant Concentration on Catalytic Activity. Advanced Synthesis and Catalysis, 2002, 344, 266-269.	2.1	54
83	Sensory and motor attentional modulation during the manual gap effect in humans: a high-density ERP study. Experimental Brain Research, 2002, 142, 385-394.	0.7	8
84	Novel six-coordinate oxorhenium(V) â€˜3+2â€™ mixed-ligand complexes carrying the SNO/SN donor atom set. Inorganica Chimica Acta, 2002, 332, 30-36.	1.2	17
85	Reduced Transition Metal Colloids:â€‰ A Novel Family of Reusable Catalysts?. Chemical Reviews, 2002, 102, 3757-3778.	23.0	1,783
86	Synthesis, properties and spectroscopic studies of rhenium(v) complexes stabilized by tridentate Schiff bases derived from S-methyl dithiocarbazate. Dalton Transactions RSC, 2001, , 3603-3610.	2.3	17
87	Stabilized Rhodium(0) Nanoparticles: A Reusable Hydrogenation Catalyst for Arene Derivatives in a Biphasic Water-Liquid System. Chemistry - A European Journal, 2000, 6, 618-624.	1.7	188
88	Stabilized Rhodium(0) Nanoparticles: A Reusable Hydrogenation Catalyst for Arene Derivatives in a Biphasic Water-Liquid System. Chemistry - A European Journal, 2000, 6, 618-624.	1.7	3
89	The complex [ReO{HNN(CH3)CS2CH3}2]Cl, a suitable precursor for the preparation of bis(dithiocarbamato)nitridorhenium(V) species. Journal of Organometallic Chemistry, 1999, 575, 145-148.	0.8	9
90	Synthesis and characterization of the bis(trithioperoxybenzoate)(dithiobenzoate)rhenium(III) hetero complex. Inorganic Chemistry Communication, 1999, 2, 230-233.	1.8	15

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91	Synthesis, spectroscopic studies and molecular structure of original halogeno-[S-methyl 3-(2-hydroxyphenylethylidene)dithiocarbazato]oxoâ€"rhenium(V) complexes. Polyhedron, 1999, 18, 2537-2541.	1.0	9
92	The Solubility of Some Azafullerene Derivatives. Fullerenes, Nanotubes, and Carbon Nanostructures, 1999, 7, 757-768.	0.6	0
93	Unprecedented efficient hydrogenation of arenes in biphasic liquidâ€"liquid catalysis by re-usable aqueous colloidal suspensions of rhodium. Chemical Communications, 1999, , 535-536.	2.2	85
94	Studies of technetium-99m nitridobisdithiocarboxylate leucocyte specific radiopharmaceutical: [99mTcN(DTCX)2], DTCX = CH3(CH2)8CS2. the cellular and subcellular distribution in human blood cells, and chemical behaviour. synthesis of the analogous rhenium-188 radiopharmaceutical. Nuclear Medicine and Biology, 1999, 26, 225-231.	0.3	6
95	Ruthenium colloids: A new catalyst for alkane oxidation by tBHP in a biphasic water-organic phase system. Tetrahedron Letters, 1998, 39, 1353-1356.	0.7	34
96	Synthesis, characterization and blood cell labelling evaluation of new 99mTc nitrido radiopharmaceuticals with thioamide [R1C(=S)NHR2] derivatives. Journal of Labelled Compounds and Radiopharmaceuticals, 1998, 41, 863-869.	0.5	4
97	Rhenium-188 and technetium-99m nitridobis(N-ethoxy-N-ethyldithiocarbamate) leucocyte labelling radiopharmaceuticals: [188ReN(NOET)2] and [99mTcN(NOET)2], NOET = Et(EtO)NCS2: Their in vitro localization and chemical behaviour. Nuclear Medicine and Biology, 1997, 24, 701-705.	0.3	15
98	Catalytic carbon-carbon coupling reaction in biphasic liquid-liquid systems: Mechanistic aspects in vitamin E precursor synthesis. Applied Catalysis A: General, 1997, 156, 347-357.	2.2	7
99	Importance of counter-ion nature in aryl sulfonated ligands: An improvement in two-phase catalysis. Journal of Molecular Catalysis A, 1997, 118, 153-159.	4.8	12
100	New Bis(dithiocarboxylato)Nitridotechnetium-99m Radiopharmaceuticals for Leucocyte Labelling: In Vitro and In Vivo Studies. Nuclear Medicine and Biology, 1997, 24, 439-445.	0.3	5
101	Amidophosphineâ^'Phosphinites:â€‰ Synthesis and Use in Rhodium-Based Asymmetric Hydrogenation of Activated Keto Compounds. Crystal Structure of Bis[(Î¼-chloro)((S)-2-((diphenylphosphino)oxy)-2-phenyl-) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 332 Td (N-(diphenylphosphino)	1.1	65
102	Rhodium(I) bis(aminophosphane) complexes as catalysts for asymmetric hydrogenation of activated ketones. Tetrahedron: Asymmetry, 1996, 7, 379-382.	1.8	25
103	Synthesis of new hydrophilic phosphines by addition of diphenylphosphine on activated alkenes: characterization of their rhodium complexes. Journal of Organometallic Chemistry, 1996, 509, 9-14.	0.8	22
104	Catalytic Synthesis of (R) and (S) citronellol by homogeneous hydrogenation over amidophosphinephosphinite and diaminodiphosphine rhodium complexes. Tetrahedron: Asymmetry, 1995, 6, 369-370.	1.8	17
105	Highly Efficient Asymmetric Hydrogenation of Activated and Unactivated Ketones Catalyzed by Rhodium(I) Aminophosphine- and Amidophosphine-Phosphinite Complexes. Beneficial Effect of the Non Chiral Ligand. Synlett, 1995, 1995, 358-360.	1.0	40
106	New alkylarylamidophosphinephosphinites as chiral diphosphines for asymmetric hydrogenation of activated keto compounds. Tetrahedron: Asymmetry, 1993, 4, 2279-2282.	1.8	41
107	Stabilized Noble Metal Nanoparticles: An Unavoidable Family of Catalysts for Arene Derivative Hydrogenation. , 0, , 261-279.		43
108	CHAPTER 6. Ammonium Surfactant-capped Rh(0) Nanoparticles for Biphasic Hydrogenation. RSC Catalysis Series, 0, , 99-111.	0.1	4