

# Audrey Denicourt-Nowicki

## 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.

69

papers

1,819

citations

28

h-index

40

g-index

77

ext. papers

1,950

ext. citations

5.2

avg, IF

4.57

L-index

#	Paper	IF	Citations
69	Metal Nanoparticles in Water: A Relevant Toolbox for Green Catalysis <b>2021</b> , 43-71		0
68	Selective palladium nanoparticles-catalyzed hydrogenolysis of industrially targeted epoxides in water. <i>Journal of Catalysis</i> , <b>2021</b> , 396, 261-268	7.3	1
67	Simulation and optimization of the removal of toluene in air by ozonation with a catalytic open-cell foam. <i>Chemical Engineering Research and Design</i> , <b>2021</b> , 168, 453-464	5.5	1
66	Remediation of Diethyl Phthalate in Aqueous Effluents with TiO <sub>2</sub> -Supported Rh <sub>0</sub> Nanoparticles as Multicatalytic Materials. <i>Catalysts</i> , <b>2021</b> , 11, 1166	4	
65	Impact of the charge transfer process on the Fe <sup>2+</sup> /Fe <sup>3+</sup> distribution at Fe <sub>3</sub> O <sub>4</sub> magnetic surface induced by deposited Pd clusters. <i>Surface Science</i> , <b>2021</b> , 712, 121879	1.8	0
64	Multigram Scale-up of the Selective Hydrogenation of $\alpha$ -Pinene with Ruthenium Nanoparticles in Water. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 5985-5993	8.3	6
63	Development of a Sustainable Heterogeneous Catalyst Based on an Open-Cell Glass Foam Support: Application in Gas-Phase Ozone Decomposition. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 2854-2864 <sup>5</sup>	8.3	5
62	Novel and Sustainable Catalytic Ruthenium-Doped Glass Foam for Thermocatalytic Oxidation of Volatile Organic Compounds: An Experimental and Modeling Study. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 14758-14766	3.9	3
61	Ruthenium Trichloride Catalyst in Water: Ru Colloids versus Ru Dimer Characterization Investigations. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 4141-4151	5.1	7
60	Catalytic Oxidation Processes for the Upgrading of Terpenes: State-of-the-Art and Future Trends. <i>Catalysts</i> , <b>2019</b> , 9, 893	4	7
59	Novel access to verbenone via ruthenium nanoparticles-catalyzed oxidation of $\alpha$ -pinene in neat water. <i>Applied Catalysis A: General</i> , <b>2018</b> , 550, 266-273	5.1	17
58	Odyssey in Polyphasic Catalysis by Metal Nanoparticles. <i>Chemical Record</i> , <b>2016</b> , 16, 2127-41	6.6	13
57	Active hydrogenation Rh nanocatalysts protected by new self-assembled supramolecular complexes of cyclodextrins and surfactants in water. <i>RSC Advances</i> , <b>2016</b> , 6, 108125-108131	3.7	8
56	Water soluble polymer-surfactant complexes-stabilized Pd(0) nanocatalysts: Characterization and structure-activity relationships in biphasic hydrogenation of alkenes and $\alpha$ -unsaturated ketones. <i>Journal of Catalysis</i> , <b>2016</b> , 340, 144-153	7.3	18
55	Highly Selective Cycloalkane Oxidation in Water with Ruthenium Nanoparticles. <i>ChemCatChem</i> , <b>2016</b> , 8, 357-362	5.2	7
54	Toluene total oxidation over Pd and Au nanoparticles supported on hydroxyapatite. <i>Comptes Rendus Chimie</i> , <b>2016</b> , 19, 525-537	2.7	28
53	Magnetically Retrievable Rh(0) Nanocomposite as Relevant Catalyst for Mild Hydrogenation of Functionalized Arenes in Water. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 1834-1839	8.3	25

52	Efficient catalytic ozonation by ruthenium nanoparticles supported on SiO <sub>2</sub> or TiO <sub>2</sub> : Towards the use of a non-woven fiber paper as original support. <i>Chemical Engineering Journal</i> , <b>2016</b> , 289, 374-381	14.7	16
51	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/CO <sub>2</sub> coupling reaction. <i>Journal of Catalysis</i> , <b>2016</b> , 333, 29-39	7.3	57
50	From hydroxycetyl ammonium salts to their chiral counterparts. A library of efficient stabilizers of Rh(0) nanoparticles for catalytic hydrogenation in water. <i>Catalysis Today</i> , <b>2015</b> , 247, 90-95	5.3	6
49	Magnetically Recoverable Palladium(0) Nanocomposite Catalyst for Hydrogenation Reactions in Water. <i>ChemCatChem</i> , <b>2015</b> , 7, 309-315	5.2	34
48	Tunable hydroxylated surfactants: an efficient toolbox towards anisotropic gold nanoparticles. <i>RSC Advances</i> , <b>2014</b> , 4, 25875-25879	3.7	8
47	Asymmetric Allylic Alkylation <b>2014</b> , 85-126		24
46	Cyclodextrin-based systems for the stabilization of metallic(0) nanoparticles and their versatile applications in catalysis. <i>Catalysis Today</i> , <b>2014</b> , 235, 20-32	5.3	76
45	From Hydroxyalkyl ammonium Salts to Protected-Rh(0) Nanoparticles for Catalysis in Water: Comparative Studies of the Polar Heads. <i>Topics in Catalysis</i> , <b>2013</b> , 56, 1220-1227	2.3	16
44	β-Cyclodextrins grafted with chiral amino acids: A promising supramolecular stabilizer of nanoparticles for asymmetric hydrogenation?. <i>Applied Catalysis A: General</i> , <b>2013</b> , 467, 497-503	5.1	15
43	New and tunable hydroxylated driving agents for the production of tailor-made gold nanorods. <i>RSC Advances</i> , <b>2013</b> , 3, 18292	3.7	9
42	Efficient Ruthenium Nanocatalysts in Liquid-Liquid Biphasic Hydrogenation Catalysis: Towards a Supramolecular Control through a Sulfonated Diphosphine-Cyclodextrin Smart Combination. <i>ChemCatChem</i> , <b>2013</b> , 5, 3802-3811	5.2	26
41	Preparation of chiral key intermediates of morpholine based neurokinin receptor antagonists by asymmetric allylic alkylation. <i>Tetrahedron</i> , <b>2013</b> , 69, 6424-6430	2.4	5
40	Methylated β-Cyclodextrin-Capped Ruthenium Nanoparticles: Synthesis Strategies, Characterization, and Application in Hydrogenation Reactions. <i>ChemCatChem</i> , <b>2013</b> , 5, 1497-1503	5.2	31
39	About the Use of Rhodium Nanoparticles in Hydrogenation and Hydroformylation Reactions. <i>Current Organic Chemistry</i> , <b>2013</b> , 17, 364-399	1.7	40
38	Chiral ammonium-capped rhodium(0) nanocatalysts: synthesis, characterization, and advances in asymmetric hydrogenation in neat water. <i>ChemSusChem</i> , <b>2012</b> , 5, 91-101	8.3	29
37	PTA-Stabilized Ruthenium and Platinum Nanoparticles: Characterization and Investigation in Aqueous Biphasic Hydrogenation Catalysis. <i>European Journal of Inorganic Chemistry</i> , <b>2012</b> , 2012, 1229-1236	2.3	50
36	Moving from surfactant-stabilized aqueous rhodium (0) colloidal suspension to heterogeneous magnetite-supported rhodium nanocatalysts: Synthesis, characterization and catalytic performance in hydrogenation reactions. <i>Catalysis Today</i> , <b>2012</b> , 183, 124-129	5.3	26
35	Metallic Nanoparticles in Neat Water for Catalytic Applications <b>2012</b> , 55-95		7

34	Alkyl sulfonated diphosphines-stabilized ruthenium nanoparticles as efficient nanocatalysts in hydrogenation reactions in biphasic media. <i>Catalysis Today</i> , <b>2012</b> , 183, 34-41	5.3	36
33	N-donor ligands based on bipyridine and ionic liquids: an efficient partnership to stabilize rhodium colloids. Focus on oxygen-containing compounds hydrogenation. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 13510-7	3.6	35
32	Rh(0) colloids supported on TiO <sub>2</sub> : a highly active and pertinent tandem in neat water for the hydrogenation of aromatics. <i>Green Chemistry</i> , <b>2011</b> , 13, 1766	10	50
31	New ammonium surfactant-stabilized rhodium(0) colloidal suspensions: influence of novel counter-anions on physico-chemical and catalytic properties. <i>Dalton Transactions</i> , <b>2011</b> , 40, 6524-31	4.3	47
30	Tandem dehalogenationHydrogenation reaction of halogenoarenes as model substrates of endocrine disruptors in water: Rhodium nanoparticles in suspension vs. on silica support. <i>Applied Catalysis A: General</i> , <b>2011</b> , 394, 215-219	5.1	24
29	Synthesis of a Chiral Key Intermediate of Neurokinin Antagonist SSR 240600 by Asymmetric Allylic Alkylation. <i>Synlett</i> , <b>2011</b> , 2011, 2939-2942	2.2	2
28	Noble Metal Nanoparticles Stabilized by Cyclodextrins: A Pertinent Partnership for Catalytic Applications. <i>Current Organic Chemistry</i> , <b>2010</b> , 14, 1266-1283	1.7	15
27	TiO <sub>2</sub> -supported Rh nanoparticles: From green catalyst preparation to application in arene hydrogenation in neat water. <i>Green Chemistry</i> , <b>2010</b> , 12, 1167	10	38
26	N-methylephedrium salts as chiral surfactants for asymmetric hydrogenation in neat water with rhodium(0) nanocatalysts. <i>ChemSusChem</i> , <b>2010</b> , 3, 1276-9	8.3	15
25	Carbohydrate-derived 1,3-diphosphite ligands as chiral nanoparticle stabilizers: promising catalytic systems for asymmetric hydrogenation. <i>ChemSusChem</i> , <b>2009</b> , 2, 769-79	8.3	50
24	Imidazolium-functionalized bipyridine derivatives: a promising family of ligands for catalytical Rh(0) colloids. <i>Tetrahedron Letters</i> , <b>2009</b> , 50, 6531-6533	2	35
23	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. <i>Chemical Engineering Journal</i> , <b>2009</b> , 151, 372-379	14.7	16
22	Catalytically active nanoparticles stabilized by host-guest inclusion complexes in water. <i>Chemical Communications</i> , <b>2009</b> , 1228-30	5.8	55
21	Polyhydroxylated ammonium chloride salt: a new efficient surfactant for nanoparticles stabilisation in aqueous media. Characterization and application in catalysis. <i>Dalton Transactions</i> , <b>2009</b> , 7356-8	4.3	39
20	Model arenes hydrogenation with silica-supported rhodium nanoparticles: The role of the silica grains and of the solvent on catalytic activities. <i>Catalysis Communications</i> , <b>2009</b> , 10, 1235-1239	3.2	26
19	N-(2-hydroxyethyl)ammonium derivatives as protective agents for Pd(0) nanocolloids and catalytic investigation in Suzuki reactions in aqueous media. <i>Catalysis Communications</i> , <b>2008</b> , 10, 68-70	3.2	14
18	Diphosphite ligands derived from carbohydrates as stabilizers for ruthenium nanoparticles: promising catalytic systems in arene hydrogenation. <i>Chemical Communications</i> , <b>2008</b> , 2759-61	5.8	62
17	A surfactant-assisted preparation of well dispersed rhodium nanoparticles within the mesopores of ALSBA-15: characterization and use in catalysis. <i>Chemical Communications</i> , <b>2008</b> , 2920-2	5.8	32

16	Rhodium nanocatalysts stabilized by various bipyridine ligands in nonaqueous ionic liquids: influence of the bipyridine coordination modes in arene catalytic hydrogenation. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 9090-6	5.1	64
15	Carbon-supported ruthenium nanoparticles stabilized by methylated cyclodextrins: a new family of heterogeneous catalysts for the gas-phase hydrogenation of arenes. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 8090-3	4.8	32
14	Rhodium colloidal suspensions stabilised by poly-N-donor ligands in non-aqueous ionic liquids: preliminary investigation into the catalytic hydrogenation of arenes. <i>ChemSusChem</i> , <b>2008</b> , 1, 984-7	8.3	31
13	Synthesis of Bipyridine-Stabilized Rhodium Nanoparticles in Non-Aqueous Ionic Liquids: A New Efficient Approach for Arene Hydrogenation with Nanocatalysts. <i>Advanced Synthesis and Catalysis</i> , <b>2008</b> , 350, 153-159	5.6	63
12	Synthesis of new functionalized polymers and their use as stabilizers of Pd, Pt, and Rh nanoparticles. Preliminary catalytic studies. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 105, 2772-2782	2.9	18
11	Nanoheterogeneous Catalytic Hydrogenation of Arenes: Evaluation of the Surfactant-Stabilized Aqueous Ruthenium(0) Colloidal Suspension. <i>Advanced Synthesis and Catalysis</i> , <b>2007</b> , 349, 2326-2330	5.6	71
10	Highly Selective Preparation of a Chiral Quaternary Allyl Aryl Piperidinedione by Palladium-Catalyzed Asymmetric Allylation Under Solid-Liquid Phase-Transfer Catalysis. <i>European Journal of Organic Chemistry</i> , <b>2007</b> , 2007, 6124-6127	3.2	13
9	Competitive hydrogenation/dehalogenation of halogenoarenes with surfactant-stabilized aqueous suspensions of rhodium and palladium colloids: A major effect of the metal nature. <i>Journal of Molecular Catalysis A</i> , <b>2007</b> , 266, 221-225		36
8	Methylated cyclodextrins: an efficient protective agent in water for zerovalent ruthenium nanoparticles and a supramolecular shuttle in alkene and arene hydrogenation reactions. <i>Dalton Transactions</i> , <b>2007</b> , 5714-9	4.3	61
7	Synthesis of the Northern-Hemisphere-Fragments of the Thiopeptide Antibiotic Nosiheptide. <i>Synlett</i> , <b>2006</b> , 2006, 3033-3036	2.2	4
6	A simple and reproducible method for the synthesis of silica-supported rhodium nanoparticles and their investigation in the hydrogenation of aromatic compounds. <i>New Journal of Chemistry</i> , <b>2006</b> , 30, 1214-1219	3.6	67
5	Supramolecular shuttle and protective agent: a multiple role of methylated cyclodextrins in the chemoselective hydrogenation of benzene derivatives with ruthenium nanoparticles. <i>Chemical Communications</i> , <b>2006</b> , 296-8	5.8	78
4	Reduced forms of Rh(III) containing MCM-41 silicas as hydrogenation catalysts for arene derivatives. <i>Journal of Molecular Catalysis A</i> , <b>2006</b> , 259, 91-98		33
3	Construction of quaternary carbon stereocentres: catalytic enantioselective allylation assisted by a bimetallic catalytic system. <i>Tetrahedron: Asymmetry</i> , <b>2005</b> , 16, 1295-1298		14
2	Catalytic asymmetric carbonylative silylcarbocyclization of enynes. <i>Tetrahedron: Asymmetry</i> , <b>2004</b> , 15, 3019-3022		18
1	CHAPTER 6: Ammonium Surfactant-capped Rh(0) Nanoparticles for Biphasic Hydrogenation. <i>RSC Catalysis Series</i> , 99-111	0.3	3