Karine Philippot

List of Publications by Year in Descending Order

190 papers	7,618 citations	50 h-index	78 g-index
205 ext. papers	8,177 ext. citations	6.3 avg, IF	5.92 L-index

#	Paper	IF	Citations
190	Ru nanoparticles supported on alginate-derived graphene as hybrid electrodes for the hydrogen evolution reaction. *New Journal of Chemistry*, **2021**, 46, 49-56	3.6	0
189	Covalent Grafting of Ruthenium Complexes on Iron Oxide Nanoparticles: Hybrid Materials for Photocatalytic Water Oxidation. *ACS Applied Materials & Interfaces*, **2021**, 13, 53829-53840	9.5	0
188	Sabatier Principle and Surface Properties of Small Ruthenium Nanoparticles and Clusters: Case Studies **2021**, 331-351		2
187	Magnetically Recoverable Nanoparticle Catalysts **2021**, 159-181		1
186	New Trends in the Design of Metal Nanoparticles and Derived Nanomaterials for Catalysis **2021**, 1-11		
185	Nanocatalytic Architecture for the Selective Dehydrogenation of Formic Acid **2021**, 279-305		0
184	Organometallic Metal Nanoparticles for Catalysis **2021**, 73-97		0
183	Silica-Supported Nanoparticles as Heterogeneous Catalysts **2021**, 215-238		1
182	Metal Nanoparticles in Polyols: Bottom-up and Top-down Syntheses and Catalytic Applications **2021**, 99-122		4
181	Metal Nanoparticles in Water: A Relevant Toolbox for Green Catalysis **2021**, 43-71		0
180	Rebirth of Ruthenium-Based Nanomaterials for the Hydrogen Evolution Reaction **2021**, 257-277		
179	Oxidation of methane to methanol over Pd@Pt nanoparticles under mild conditions in water. *Catalysis Science and Technology*, **2021**, 11, 3493-3500	5.5	7
178	An air-stable, reusable Ni@Ni(OH) nanocatalyst for CO/bicarbonate hydrogenation to formate. *Nanoscale*, **2021**, 13, 8931-8939	7.7	2
177	Rhodium nanoparticles inside well-defined unimolecular amphiphilic polymeric nanoreactors: synthesis and biphasic hydrogenation catalysis. *Nanoscale Advances*, **2021**, 3, 2554-2566	5.1	4
176	Correlation between surface chemistry and magnetism in iron nanoparticles. *Nanoscale Advances*, **2021**, 3, 4471-4481	5.1	0
175	TiO2-mediated visible-light-driven hydrogen evolution by ligand-capped Ru nanoparticles. *Sustainable Energy and Fuels*, **2020**, 4, 4170-4178	5.8	2
174	When organophosphorus ruthenium complexes covalently bind to ruthenium nanoparticles to form nanoscale hybrid materials. *Chemical Communications*, **2020**, 56, 4059-4062	5.8	1

173	Structure and activity of supported bimetallic NiPd nanoparticles: influence of preparation method on CO2 reduction. *ChemCatChem*, **2020**, 12, 2967-2976	5.2	8
172	The role of catalyst–support interactions in oxygen evolution anodes based on Co(OH)2 nanoparticles and carbon microfibers. *Catalysis Science and Technology*, **2020**, 10, 4513-4521	5.5	3
171	Organocatalytic vs. Ru-based electrochemical hydrogenation of nitrobenzene in competition with the hydrogen evolution reaction. *Dalton Transactions*, **2020**, 49, 6446-6456	4.3	5
170	Catalysis with Colloidal Ruthenium Nanoparticles. *Chemical Reviews*, **2020**, 120, 1085-1145	68.1	65
169	Tuning the selectivity of phenol hydrogenation using Pd, Rh and Ru nanoparticles supported on ceria- and titania-modified silicas. *Catalysis Today*, **2020**, 381, 126-126	5.3	2
168	Rhodium nanoparticles stabilized by ferrocenyl-phosphine ligands: synthesis and catalytic styrene hydrogenation. *Dalton Transactions*, **2019**, 48, 6777-6786	4.3	9
167	Ruthenium Nanoparticles for Catalytic Water Splitting. *ChemSusChem*, **2019**, 12, 2493-2514	8.3	50
166	Carboxylic acid-capped ruthenium nanoparticles: experimental and theoretical case study with ethanoic acid. *Nanoscale*, **2019**, 11, 9392-9409	7.7	13
165	Pd and Pd@PdO core–shell nanoparticles supported on Vulcan carbon XC-72R: comparison of electroactivity for methanol electro-oxidation reaction. *Journal of Materials Science*, **2019**, 54, 13694-13714	4.3	14
164	DFT calculations in periodic boundary conditions of gas-phase acidities and of transition-metal anionic clusters: case study with carboxylate-stabilized ruthenium clusters. *Theoretical Chemistry Accounts*, **2019**, 138, 1	1.9	3
163	Ruthenium Nanoparticles Supported on Carbon Microfibers for Hydrogen Evolution Electrocatalysis. *European Journal of Inorganic Chemistry*, **2019**, 2019, 2071-2077	2.3	11
162	Reactions of D2 with 1,4-Bis(diphenylphosphino) butane-Stabilized Metal Nanoparticles-A Combined Gas-phase NMR, GC-MS and Solid-state NMR Study. *ChemCatChem*, **2019**, 11, 1465-1471	5.2	9
161	Phosphane-decorated Platinum Nanoparticles as Efficient Catalysts for H2 Generation from Ammonia Borane and Methanol. *ChemCatChem*, **2019**, 11, 766-771	5.2	20
160	Transformation of CO2 by using nanoscale metal catalysts: cases studies on the formation of formic acid and dimethylether. *Current Opinion in Chemical Engineering*, **2018**, 20, 86-92	5.4	23
159	Synthesis of Rh nanoparticles in alcohols: magnetic and electrocatalytic properties. *Journal of Materials Science*, **2018**, 53, 8933-8950	4.3	6
158	Light-driven water oxidation using hybrid photosensitizer-decorated Co3O4 nanoparticles. *Materials Today Energy*, **2018**, 9, 506-515	7	9
157	Ligand-Capped Ru Nanoparticles as Efficient Electrocatalyst for the Hydrogen Evolution Reaction. *ACS Catalysis*, **2018**, 8, 11094-11102	13.1	53
156	Ruthenium nanoparticles ligated by cholesterol-derived NHCs and their application in the hydrogenation of arenes. *Chemical Communications*, **2018**, 54, 7070-7073	5.8	27

155	Zwitterionic amidinates as effective ligands for platinum nanoparticle hydrogenation catalysts. *Chemical Science*, **2017**, 8, 2931-2941	9.4	37
154	Soluble Platinum Nanoparticles Ligated by Long-Chain N-Heterocyclic Carbenes as Catalysts. *Chemistry - A European Journal*, **2017**, 23, 12779-12786	4.8	26
153	Kinetic investigation into the chemoselective hydrogenation of □unsaturated carbonyl compounds catalyzed by Ni(0) nanoparticles. *Dalton Transactions*, **2017**, 46, 5082-5090	4.3	19
152	A porous Ru nanomaterial as an efficient electrocatalyst for the hydrogen evolution reaction under acidic and neutral conditions. *Chemical Communications*, **2017**, 53, 11713-11716	5.8	66
151	Control of reactivity through chemical order in very small RuRe nanoparticles. *Dalton Transactions*, **2017**, 46, 15070-15079	4.3	6
150	One-pot organometallic synthesis of alumina-embedded Pd nanoparticles. *Dalton Transactions*, **2017**, 46, 14318-14324	4.3	1
149	Alkyl phosphonic acid-based ligands as tools for converting hydrophobic iron nanoparticles into water soluble iron□iron oxide core□shell nanoparticles. *New Journal of Chemistry*, **2017**, 41, 11898-11905	3.6	12
148	Study of the influence of PPh 3 used as capping ligand or as reaction modifier for hydroformylation reaction involving Rh NPs as precatalyst. *Applied Catalysis A: General*, **2017**, 548, 136-142	5.1	9
147	Dissimilar catalytic behavior of molecular or colloidal palladium systems with a new NHC ligand. *Dalton Transactions*, **2017**, 46, 11768-11778	4.3	6
146	Controlled metal nanostructures: Fertile ground for coordination chemists. *Coordination Chemistry Reviews*, **2016**, 308, 409-432	23.2	75
145	Polymer versus phosphine stabilized Rh nanoparticles as components of supported catalysts: implication in the hydrogenation of cyclohexene model molecule. *Dalton Transactions*, **2016**, 45, 17782-17791	4.3	17
144	Active hydrogenation Rh nanocatalysts protected by new self-assembled supramolecular complexes of cyclodextrins and surfactants in water. *RSC Advances*, **2016**, 6, 108125-108131	3.7	8
143	Chemoselective hydrogenation of arenes by PVP supported Rh nanoparticles. *Dalton Transactions*, **2016**, 45, 19368-19373	4.3	12
142	Rh nanoparticles with NiOx surface decoration for selective hydrogenolysis of CO bond over arene hydrogenation. *Journal of Molecular Catalysis A*, **2016**, 422, 188-197		34
141	On the Use of Organometallic Chemistry Concepts for the Synthesis of Nanocatalysts **2016**, 41-79		2
140	Long-chain NHC-stabilized RuNPs as versatile catalysts for one-pot oxidation/hydrogenation reactions. *Chemical Communications*, **2016**, 52, 4768-71	5.8	55
139	Enantioselective hydrogenation of ketones by iridium nanoparticles ligated with chiral secondary phosphine oxides. *Catalysis Science and Technology*, **2016**, 6, 3758-3766	5.5	34
138	Water Transfer of Hydrophobic Nanoparticles: Principles and Methods **2016**, 1279-1311		3

137	NHC-stabilized Ru nanoparticles: Synthesis and surface studies. *Nano Structures Nano Objects*, **2016**, 6, 39-45	5.6	31
136	A green route for the synthesis of a bitter-taste dipeptide combining biocatalysis, heterogeneous metal catalysis and magnetic nanoparticles. *RSC Advances*, **2015**, 5, 36449-36455	3.7	9
135	Deoxygenation of oleic acid: Influence of the synthesis route of Pd/mesoporous carbon nanocatalysts onto their activity and selectivity. *Applied Catalysis A: General*, **2015**, 504, 81-91	5.1	41
134	New Route to Stabilize Ruthenium Nanoparticles with Non-Isolable Chiral N-Heterocyclic Carbenes. *Chemistry - A European Journal*, **2015**, 21, 17495-502	4.8	45
133	Enantiospecific C?H Activation Using Ruthenium Nanocatalysts. *Angewandte Chemie*, **2015**, 127, 10620-10623	3.6	31
132	Enantiospecific C-H Activation Using Ruthenium Nanocatalysts. *Angewandte Chemie - International Edition*, **2015**, 54, 10474-7	16.4	85
131	Electro-oxidation of methanol in alkaline conditions using PdNi nanoparticles prepared from organometallic precursors and supported on carbon vulcan. *Journal of Nanoparticle Research*, **2015**, 17, 1	2.3	12
130	A betaine adduct of N-heterocyclic carbene and carbodiimide, an efficient ligand to produce ultra-small ruthenium nanoparticles. *Chemical Communications*, **2015**, 51, 4647-50	5.8	42
129	AgPd and CuOPd nanoparticles in a hydroxyl-group functionalized ionic liquid: synthesis, characterization and catalytic performance. *Catalysis Science and Technology*, **2015**, 5, 1683-1692	5.5	43
128	Surface chemistry on small ruthenium nanoparticles: evidence for site selective reactions and influence of ligands. *Chemistry - A European Journal*, **2014**, 20, 1287-97	4.8	48
127	Seed-mediated synthesis of bimetallic ruthenium-platinum nanoparticles efficient in cinnamaldehyde selective hydrogenation. *Dalton Transactions*, **2014**, 43, 9283-95	4.3	20
126	Tin-decorated ruthenium nanoparticles: a way to tune selectivity in hydrogenation reaction. *Nanoscale*, **2014**, 6, 9806-16	7.7	22
125	Probing the surface of platinum nanoparticles with 13CO by solid-state NMR and IR spectroscopies. *Nanoscale*, **2014**, 6, 539-46	7.7	26
124	Strawberry-like SiO2@Pd and Pt nanomaterials. *New Journal of Chemistry*, **2014**, 38, 6103-6113	3.6	11
123	A recoverable Pd nanocatalyst for selective semi-hydrogenation of alkynes: hydrogenation of benzyl-propargylamines as a challenging model. *Green Chemistry*, **2014**, 16, 4566-4574	10	20
122	Facile synthesis of ultra-small rhenium nanoparticles. *Chemical Communications*, **2014**, 50, 10809-11	5.8	25
121	Organometallic Ruthenium Nanoparticles as Model Catalysts for CO Hydrogenation: A Nuclear Magnetic Resonance and Ambient-Pressure X-ray Photoelectron Spectroscopy Study. *ACS Catalysis*, **2014**, 4, 3160-3168	13.1	40
120	Organometallic Ruthenium Nanoparticles and Catalysis. *Topics in Organometallic Chemistry*, **2014**, 319-370	0.6	15

119	Organometallic Preparation of Ni, Pd, and NiPd Nanoparticles for the Design of Supported Nanocatalysts. *ACS Catalysis*, **2014**, 4, 1735-1742	13.1	41
118	Cyclodextrin-based systems for the stabilization of metallic(0) nanoparticles and their versatile applications in catalysis. *Catalysis Today*, **2014**, 235, 20-32	5.3	76
117	Carbon-supported Pd nanoparticles as catalysts for anthracene hydrogenation. *Fuel*, **2014**, 116, 729-735	7.1	39
116	The hydrogenation of nitroarenes mediated by platinum nanoparticles: an overview. *Catalysis Science and Technology*, **2014**, 4, 2445-2465	5.5	119
115	Platinum N-Heterocyclic Carbene Nanoparticles as New and Effective Catalysts for the Selective Hydrogenation of Nitroaromatics. *ChemCatChem*, **2014**, 6, 87-90	5.2	78
114	Organometallic synthesis of water-soluble ruthenium nanoparticles in the presence of sulfonated diphosphines and cyclodextrins. *Materials Research Society Symposia Proceedings*, **2014**, 1675, 219-225		2
113	Facile One-Pot Synthesis of Rhenium Nanoparticles. *Materials Research Society Symposia Proceedings*, **2014**, 1675, 157-162		1
112	Nanoparticles deposit location control on porous particles during dry impregnation in a fluidized bed. *Powder Technology*, **2014**, 257, 198-202	5.2	1
111	Water Transfer of Hydrophobic Nanoparticles: Principles and Methods **2014**, 1-26		
110	Metal Nanocatalysts in Solution: Characterization and Reactivity. *Topics in Catalysis*, **2013**, 56, 1153-1153	2.3	4
109	Hydrogenation Processes at the Surface of Ruthenium Nanoparticles: A NMR Study. *Topics in Catalysis*, **2013**, 56, 1253-1261	2.3	24
108	Cyclodextrins grafted with chiral amino acids: A promising supramolecular stabilizer of nanoparticles for asymmetric hydrogenation?. *Applied Catalysis A: General*, **2013**, 467, 497-503	5.1	15
107	Taking advantage of a terpyridine ligand for the deposition of Pd nanoparticles onto a magnetic material for selective hydrogenation reactions. *Journal of Materials Chemistry A*, **2013**, 1, 1441-1449	13	31
106	Organometallic approach for the synthesis of nanostructures. *New Journal of Chemistry*, **2013**, 37, 3374	3.6	103
105	Investigation of the surface chemistry of phosphine-stabilized ruthenium nanoparticles--an advanced solid-state NMR study. *Physical Chemistry Chemical Physics*, **2013**, 15, 17383-94	3.6	28
104	Palladium catalytic systems with hybrid pyrazole ligands in C–C coupling reactions. Nanoparticles versus molecular complexes. *Catalysis Science and Technology*, **2013**, 3, 475-489	5.5	25
103	Efficient Ruthenium Nanocatalysts in Liquid–Liquid Biphasic Hydrogenation Catalysis: Towards a Supramolecular Control through a Sulfonated Diphosphine–Cyclodextrin Smart Combination. *ChemCatChem*, **2013**, 5, 3802-3811	5.2	26
102	NHC-stabilized ruthenium nanoparticles as new catalysts for the hydrogenation of aromatics. *Catalysis Science and Technology*, **2013**, 3, 99-105	5.5	112

101	Organometallic Ruthenium Nanoparticles: A Comparative Study of the Influence of the Stabilizer on their Characteristics and Reactivity. *ChemCatChem*, **2013**, 5, 28-45	5.2	94
100	Efficient and recyclable carbon-supported Pd nanocatalysts for the Suzuki–Miyaura reaction in aqueous-based media: Microwave vs conventional heating. *Applied Catalysis A: General*, **2013**, 468, 59-67	5.1	26
99	Secondary phosphine oxides as pre-ligands for nanoparticle stabilization. *Catalysis Science and Technology*, **2013**, 3, 595-599	5.5	55
98	On the influence of diphosphine ligands on the chemical order in small RuPt nanoparticles: combined structural and surface reactivity studies. *Dalton Transactions*, **2013**, 42, 372-82	4.3	22
97	Methylated β-Cyclodextrin-Capped Ruthenium Nanoparticles: Synthesis Strategies, Characterization, and Application in Hydrogenation Reactions. *ChemCatChem*, **2013**, 5, 1497-1503	5.2	31
96	Organometallic Nanoparticles **2013**, 421-436		3
95	About the Use of Rhodium Nanoparticles in Hydrogenation and Hydroformylation Reactions. *Current Organic Chemistry*, **2013**, 17, 364-399	1.7	40
94	Carbon-supported palladium and ruthenium nanoparticles: application as catalysts in alcohol oxidation, cross-coupling and hydrogenation reactions. *Recent Patents on Nanotechnology*, **2013**, 7, 247-64	1.2	12
93	Carbon-supported Ru and Pd nanoparticles: Efficient and recyclable catalysts for the aerobic oxidation of benzyl alcohol in water. *Microporous and Mesoporous Materials*, **2012**, 153, 155-162	5.3	42
92	PTA-Stabilized Ruthenium and Platinum Nanoparticles: Characterization and Investigation in Aqueous Biphasic Hydrogenation Catalysis. *European Journal of Inorganic Chemistry*, **2012**, 2012, 1229-1236	2.3	50
91	Segregation at a small scale: synthesis of core–shell bimetallic RuPt nanoparticles, characterization and solid state NMR studies. *Journal of Materials Chemistry*, **2012**, 22, 3578		32
90	Size-controllable APTS stabilized ruthenium(0) nanoparticles catalyst for the dehydrogenation of dimethylamine-borane at room temperature. *Dalton Transactions*, **2012**, 41, 590-8	4.3	48
89	Phosphine-Stabilized Ruthenium Nanoparticles: The Effect of the Nature of the Ligand in Catalysis. *ACS Catalysis*, **2012**, 2, 317-321	13.1	85
88	Ligand effect on the catalytic activity of ruthenium nanoparticles in ionic liquids. *Dalton Transactions*, **2012**, 41, 13919-26	4.3	18
87	In situ formed catalytically active ruthenium nanocatalyst in room temperature dehydrogenation/dehydrocoupling of ammonia-borane from Ru(cod)(cot) precatalyst. *Langmuir*, **2012**, 28, 4908-14	4	27
86	Metallic Nanoparticles in Neat Water for Catalytic Applications **2012**, 55-95		7
85	Versatile dual hydrogenation–oxidation nanocatalysts for the aqueous transformation of biomass-derived platform molecules. *Green Chemistry*, **2012**, 14, 1434	10	44
84	Nano-oxides **2012**, 375-413		3

83	In Silico Nanocatalysis with Transition Metal Particles: Where Are We Now? **2012**, 443-481		0
82	Concepts in Nanocatalysis **2012**, 1-54		17
81	Metallic Nanoparticles in Ionic Liquids Applications in Catalysis **2012**, 203-249		7
80	Carbon Nanotubes and Related Carbonaceous Structures **2012**, 331-374		4
79	Confinement Effects in Nanosupports **2012**, 415-441		2
78	Alkyl sulfonated diphosphines-stabilized ruthenium nanoparticles as efficient nanocatalysts in hydrogenation reactions in biphasic media. *Catalysis Today*, **2012**, 183, 34-41	5.3	36
77	Kinetics of hydrogen evolution reaction on stabilized Ni, Pt and NiPt nanoparticles obtained by an organometallic approach. *International Journal of Hydrogen Energy*, **2012**, 37, 4798-4811	6.7	58
76	Using click chemistry to access mono- and ditopic cyclodextrin hosts substituted by chiral amino acids. *Carbohydrate Research*, **2011**, 346, 210-8	2.9	17
75	TEM and HRTEM evidence for the role of ligands in the formation of shape-controlled platinum nanoparticles. *Small*, **2011**, 7, 235-41	11	27
74	Ruthenium Nanoparticles Stabilized by N-Heterocyclic Carbenes: Ligand Location and Influence on Reactivity. *Angewandte Chemie*, **2011**, 123, 12286-12290	3.6	52
73	Ruthenium nanoparticles stabilized by N-heterocyclic carbenes: ligand location and influence on reactivity. *Angewandte Chemie - International Edition*, **2011**, 50, 12080-4	16.4	175
72	Ruthenium nanoparticles in ionic liquids: structural and stability effects of polar solutes. *Physical Chemistry Chemical Physics*, **2011**, 13, 13527-36	3.6	38
71	Influence of amines on the size control of in situ synthesized ruthenium nanoparticles in imidazolium ionic liquids. *Dalton Transactions*, **2011**, 40, 4660-8	4.3	38
70	Multi-site coordination N-phosphanylamidine ligands as stabilizers for the synthesis of ruthenium nanoparticles. *New Journal of Chemistry*, **2011**, 35, 2653	3.6	15
69	Carbon dioxide conversion to dimethyl carbonate: The effect of silica as support for SnO2 and ZrO2 catalysts. *Comptes Rendus Chimie*, **2011**, 14, 780-785	2.7	23
68	Direct Observation of the Reversible Changes of the Morphology of Pt Nanoparticles under Gas Environment. *Journal of Physical Chemistry C*, **2010**, 114, 2160-2163	3.8	80
67	Design of new N,O hybrid pyrazole derived ligands and their use as stabilizers for the synthesis of Pd nanoparticles. *Langmuir*, **2010**, 26, 15532-40	4	23
66	Aminopropyltriethoxysilane stabilized ruthenium(0) nanoclusters as an isolable and reusable heterogeneous catalyst for the dehydrogenation of dimethylamine-borane. *Chemical Communications*, **2010**, 46, 2938-40	5.8	76

65	Synthesis of composite ruthenium-containing silica nanomaterials from amine-stabilized ruthenium nanoparticles as elemental bricks. *Journal of Materials Chemistry*, **2010**, 20, 9523		13
64	A novel stabilisation model for ruthenium nanoparticles in imidazolium ionic liquids: in situ spectroscopic and labelling evidence. *Physical Chemistry Chemical Physics*, **2010**, 12, 4217-23	3.6	65
63	Location and Dynamics of CO Co-ordination on Ru Nanoparticles: A Solid State NMR Study. *Catalysis Letters*, **2010**, 140, 1-7	2.8	74
62	A single-step procedure for the preparation of palladium nanoparticles and a phosphine-functionalized support as catalyst for Suzuki cross-coupling reactions. *Journal of Catalysis*, **2010**, 276, 382-389	7.3	90
61	[Ru(0)]@SiO2 and [RuO2]@SiO2 Hybrid Nanomaterials: From Their Synthesis to Their Application as Catalytic Filters for Gas Sensors. *Advanced Functional Materials*, **2009**, 19, 3781-3787	15.6	18
60	An Efficient Strategy to Drive Nanoparticles into Carbon Nanotubes and the Remarkable Effect of Confinement on Their Catalytic Performance. *Angewandte Chemie*, **2009**, 121, 2567-2571	3.6	33
59	Carbohydrate-derived 1,3-diphosphite ligands as chiral nanoparticle stabilizers: promising catalytic systems for asymmetric hydrogenation. *ChemSusChem*, **2009**, 2, 769-79	8.3	50
58	An efficient strategy to drive nanoparticles into carbon nanotubes and the remarkable effect of confinement on their catalytic performance. *Angewandte Chemie - International Edition*, **2009**, 48, 2529-33	16.4	212
57	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	14.7	16
56	Ligand effect on the NMR, vibrational and structural properties of tetra- and hexanuclear ruthenium hydrido clusters: a theoretical investigation. *Dalton Transactions*, **2009**, 2142-56	4.3	18
55	Organized 3D-alkyl imidazolium ionic liquids could be used to control the size of in situ generated ruthenium nanoparticles?. *Journal of Materials Chemistry*, **2009**, 19, 3624		121
54	An organometallic approach for the synthesis of water-soluble ruthenium and platinum nanoparticles. *Dalton Transactions*, **2009**, 10172-4	4.3	39
53	Self-assembled platinum nanoparticles into heavily fluorinated templates: reactive gas effect on the morphology. *New Journal of Chemistry*, **2009**, 33, 1529	3.6	9
52	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	3.2	26
51	A new and specific mode of stabilization of metallic nanoparticles. *Chemical Communications*, **2008**, 3296-8	5.8	75
50	Diphosphite ligands derived from carbohydrates as stabilizers for ruthenium nanoparticles: promising catalytic systems in arene hydrogenation. *Chemical Communications*, **2008**, 2759-61	5.8	62
49	Formation of nanocomposites of platinum nanoparticles embedded into heavily fluorinated aniline and displaying long range organization. *Journal of Materials Chemistry*, **2008**, 18, 660-666		13
48	Solid State and Gas Phase NMR Studies of Immobilized Catalysts and Catalytic Active Nanoparticles. *Topics in Catalysis*, **2008**, 48, 75-83	2.3	27

47	Chiral Diphosphite-Modified Rhodium(0) Nanoparticles: Catalyst Reservoir for Styrene Hydroformylation. *European Journal of Inorganic Chemistry*, **2008**, 2008, 3460-3466	2.3	49
46	Reactions of olefins with ruthenium hydride nanoparticles: NMR characterization, hydride titration, and room-temperature C--C bond activation. *Angewandte Chemie - International Edition*, **2008**, 47, 2074-8	16.4	114
45	Reactions of Olefins with Ruthenium Hydride Nanoparticles: NMR Characterization, Hydride Titration, and Room-Temperature C?C Bond Activation. *Angewandte Chemie*, **2008**, 120, 2104-2108	3.6	29
44	Dry impregnation in fluidized bed: Drying and calcination effect on nanoparticles dispersion and location in a porous support. *Chemical Engineering Research and Design*, **2008**, 86, 349-358	5.5	6
43	Influence of the self-organization of ionic liquids on the size of ruthenium nanoparticles: effect of the temperature and stirring. *Journal of Materials Chemistry*, **2007**, 17, 3290		120
42	Organometallic Nanoparticles of Metals or Metal Oxides. *Oil and Gas Science and Technology*, **2007**, 62, 799-817	1.9	35
41	Organometallic Derived Metals, Colloids, and Nanoparticles **2007**, 71-99		10
40	Shape Control of Platinum Nanoparticles. *Advanced Functional Materials*, **2007**, 17, 2219-2228	15.6	127
39	Synthesis of New RuO2@SiO2 Composite Nanomaterials and their Application as Catalytic Filters for Selective Gas Detection. *Advanced Functional Materials*, **2007**, 17, 3339-3347	15.6	51
38	Palladium Catalytic Species Containing Chiral Phosphites: Towards a Discrimination between Molecular and Colloidal Catalysts. *Advanced Synthesis and Catalysis*, **2007**, 349, 2459-2469	5.6	66
37	Synthesis of Supported Catalysts by Dry Impregnation in Fluidized Bed. *Chemical Engineering Research and Design*, **2007**, 85, 767-777	5.5	6
36	Synthesis of Ruthenium Nanoparticles Stabilized by Heavily Fluorinated Compounds. *Advanced Functional Materials*, **2006**, 16, 2008-2015	15.6	27
35	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	3.6	67
34	Synthesis, characterization and catalytic reactivity of ruthenium nanoparticles stabilized by chiral N-donor ligands. *New Journal of Chemistry*, **2006**, 30, 115-122	3.6	106
33	Production of supported asymmetric catalysts in a fluidised bed. *Powder Technology*, **2005**, 157, 12-19	5.2	13
32	Synthesis of well-dispersed ruthenium nanoparticles inside mesostructured porous silica under mild conditions. *Microporous and Mesoporous Materials*, **2005**, 79, 185-194	5.3	39
31	Direct NMR evidence for the presence of mobile surface hydrides on ruthenium nanoparticles. *ChemPhysChem*, **2005**, 6, 605-7	3.2	115
30	Influence of organic ligands on the stabilization of palladium nanoparticles. *Journal of Organometallic Chemistry*, **2004**, 689, 4601-4610	2.3	161

29	Gas Phase Catalysis by Metal Nanoparticles in Nanoporous Alumina Membranes. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2004**, 630, 1913-1918	1.3	29
28	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	5.6	109
27	New Ru Nanoparticles Stabilized by Organosilane Fragments. *Chemistry of Materials*, **2004**, 16, 4937-4941	9.6	42
26	A case for enantioselective allylic alkylation catalyzed by palladium nanoparticles. *Journal of the American Chemical Society*, **2004**, 126, 1592-3	16.4	274
25	In Situ Formation of Gold Nanoparticles within Thiol Functionalized HMS-C16 and SBA-15 Type Materials via an Organometallic Two-Step Approach. *Chemistry of Materials*, **2003**, 15, 2017-2024	9.6	96
24	Organometallic Synthesis of Size-Controlled Polycrystalline Ruthenium Nanoparticles in the Presence of Alcohols. *Advanced Functional Materials*, **2003**, 13, 118-126	15.6	138
23	Organometallic approach to the synthesis and surface reactivity of noble metal nanoparticles. *Comptes Rendus Chimie*, **2003**, 6, 1019-1034	2.7	134
22	Ruthenium Nanoparticles in Nanoporous Alumina Membranes: Preparation, Characterization and Catalytic Properties. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2003**, 629, 1217-1222	1.3	20
21	Novel super-structures resulting from the coordination of chiral oxazolines on platinum nanoparticles. *New Journal of Chemistry*, **2003**, 27, 114-120	3.6	37
20	Indium and indium-oxide nanoparticle or nanorod formation within functionalised ordered mesoporous silica. *New Journal of Chemistry*, **2003**, 27, 1029-1031	3.6	27
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