

Karine Philippot

List of Publications by Citations

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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	Ligand-stabilized ruthenium nanoparticles: synthesis, organization, and dynamics. <i>Journal of the American Chemical Society</i> , 2001 , 123, 7584-93	16.4	306
189	A case for enantioselective allylic alkylation catalyzed by palladium nanoparticles. <i>Journal of the American Chemical Society</i> , 2004 , 126, 1592-3	16.4	274
188	An efficient strategy to drive nanoparticles into carbon nanotubes and the remarkable effect of confinement on their catalytic performance. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 2529-33	16.4	212
187	Ruthenium nanoparticles stabilized by N-heterocyclic carbenes: ligand location and influence on reactivity. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 12080-4	16.4	175
186	Influence of organic ligands on the stabilization of palladium nanoparticles. <i>Journal of Organometallic Chemistry</i> , 2004 , 689, 4601-4610	2.3	161
185	Organometallic Synthesis of Size-Controlled Polycrystalline Ruthenium Nanoparticles in the Presence of Alcohols. <i>Advanced Functional Materials</i> , 2003 , 13, 118-126	15.6	138
184	Organometallic approach to the synthesis and surface reactivity of noble metal nanoparticles. <i>Comptes Rendus Chimie</i> , 2003 , 6, 1019-1034	2.7	134
183	Shape Control of Platinum Nanoparticles. <i>Advanced Functional Materials</i> , 2007 , 17, 2219-2228	15.6	127
182	Organized 3D-alkyl imidazolium ionic liquids could be used to control the size of in situ generated ruthenium nanoparticles?. <i>Journal of Materials Chemistry</i> , 2009 , 19, 3624		121
181	Platinum nanoparticles stabilized by CO and octanethiol ligands or polymers: FT-IR, NMR, HREM and WAXS studies. <i>New Journal of Chemistry</i> , 1998 , 22, 703-712	3.6	120
180	Influence of the self-organization of ionic liquids on the size of ruthenium nanoparticles: effect of the temperature and stirring. <i>Journal of Materials Chemistry</i> , 2007 , 17, 3290		120
179	The hydrogenation of nitroarenes mediated by platinum nanoparticles: an overview. <i>Catalysis Science and Technology</i> , 2014 , 4, 2445-2465	5.5	119
178	Direct NMR evidence for the presence of mobile surface hydrides on ruthenium nanoparticles. <i>ChemPhysChem</i> , 2005 , 6, 605-7	3.2	115
177	Reactions of olefins with ruthenium hydride nanoparticles: NMR characterization, hydride titration, and room-temperature C–C bond activation. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 2074-8	16.4	114
176	NHC-stabilized ruthenium nanoparticles as new catalysts for the hydrogenation of aromatics. <i>Catalysis Science and Technology</i> , 2013 , 3, 99-105	5.5	112
175	A New Synthetic Method toward Bimetallic Ruthenium Platinum Nanoparticles; Composition Induced Structural Changes. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 10098-10101	3.4	110
174	Surfactant-Stabilized Aqueous Iridium(0) Colloidal Suspension: An Efficient Reusable Catalyst for Hydrogenation of Arenes in Biphasic Media. <i>Advanced Synthesis and Catalysis</i> , 2004 , 346, 72-76	5.6	109

173	Catalytic investigation of rhodium nanoparticles in hydrogenation of benzene and phenylacetylene. <i>Journal of Molecular Catalysis A</i> , 2002 , 178, 55-61		107
172	Synthesis, characterization and catalytic reactivity of ruthenium nanoparticles stabilized by chiral N-donor ligands. <i>New Journal of Chemistry</i> , 2006 , 30, 115-122	3.6	106
171	Novel, Spongelike Ruthenium Particles of Controllable Size Stabilized Only by Organic Solvents. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 3736-3738	16.4	106
170	Organometallic approach for the synthesis of nanostructures. <i>New Journal of Chemistry</i> , 2013 , 37, 3374	3.6	103
169	In Situ Formation of Gold Nanoparticles within Thiol Functionalized HMS-C16 and SBA-15 Type Materials via an Organometallic Two-Step Approach. <i>Chemistry of Materials</i> , 2003 , 15, 2017-2024	9.6	96
168	Organometallic Ruthenium Nanoparticles: A Comparative Study of the Influence of the Stabilizer on their Characteristics and Reactivity. <i>ChemCatChem</i> , 2013 , 5, 28-45	5.2	94
167	A single-step procedure for the preparation of palladium nanoparticles and a phosphine-functionalized support as catalyst for Suzuki cross-coupling reactions. <i>Journal of Catalysis</i> , 2010 , 276, 382-389	7.3	90
166	Gold nanoparticles from self-assembled gold(I) amine precursors. <i>Chemical Communications</i> , 2000 , 1945-1946	3.4	86
165	Enantiospecific C-H Activation Using Ruthenium Nanocatalysts. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 10474-7	16.4	85
164	Phosphine-Stabilized Ruthenium Nanoparticles: The Effect of the Nature of the Ligand in Catalysis. <i>ACS Catalysis</i> , 2012 , 2, 317-321	13.1	85
163	Direct Observation of the Reversible Changes of the Morphology of Pt Nanoparticles under Gas Environment. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 2160-2163	3.8	80
162	In situ formation of gold nanoparticles within functionalised ordered mesoporous silica via an organometallic "chimie douce" approach. <i>Chemical Communications</i> , 2001 , 1374-1375	5.8	79
161	Platinum N-Heterocyclic Carbene Nanoparticles as New and Effective Catalysts for the Selective Hydrogenation of Nitroaromatics. <i>ChemCatChem</i> , 2014 , 6, 87-90	5.2	78
160	Cyclodextrin-based systems for the stabilization of metallic(0) nanoparticles and their versatile applications in catalysis. <i>Catalysis Today</i> , 2014 , 235, 20-32	5.3	76
159	Aminopropyltriethoxysilane stabilized ruthenium(0) nanoclusters as an isolable and reusable heterogeneous catalyst for the dehydrogenation of dimethylamine-borane. <i>Chemical Communications</i> , 2010 , 46, 2938-40	5.8	76
158	Controlled metal nanostructures: Fertile ground for coordination chemists. <i>Coordination Chemistry Reviews</i> , 2016 , 308, 409-432	23.2	75
157	A new and specific mode of stabilization of metallic nanoparticles. <i>Chemical Communications</i> , 2008 , 3296-8	5.8	75
156	Location and Dynamics of CO Co-ordination on Ru Nanoparticles: A Solid State NMR Study. <i>Catalysis Letters</i> , 2010 , 140, 1-7	2.8	74

155	Rhodium-catalysed hydroamination-hydroarylation of norbornene with aniline, toluidines or diphenylamine. <i>Journal of Organometallic Chemistry</i> , 1994 , 469, 221-228	2.3	68
154	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> , 2006 , 30, 1214-1219	3.6	67
153	A porous Ru nanomaterial as an efficient electrocatalyst for the hydrogen evolution reaction under acidic and neutral conditions. <i>Chemical Communications</i> , 2017 , 53, 11713-11716	5.8	66
152	Palladium Catalytic Species Containing Chiral Phosphites: Towards a Discrimination between Molecular and Colloidal Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2007 , 349, 2459-2469	5.6	66
151	A novel stabilisation model for ruthenium nanoparticles in imidazolium ionic liquids: in situ spectroscopic and labelling evidence. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 4217-23	3.6	65
150	Catalysis with Colloidal Ruthenium Nanoparticles. <i>Chemical Reviews</i> , 2020 , 120, 1085-1145	68.1	65
149	Diphosphite ligands derived from carbohydrates as stabilizers for ruthenium nanoparticles: promising catalytic systems in arene hydrogenation. <i>Chemical Communications</i> , 2008 , 2759-61	5.8	62
148	Kinetics of hydrogen evolution reaction on stabilized Ni, Pt and NiPt nanoparticles obtained by an organometallic approach. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 4798-4811	6.7	58
147	Long-chain NHC-stabilized RuNPs as versatile catalysts for one-pot oxidation/hydrogenation reactions. <i>Chemical Communications</i> , 2016 , 52, 4768-71	5.8	55
146	Secondary phosphine oxides as pre-ligands for nanoparticle stabilization. <i>Catalysis Science and Technology</i> , 2013 , 3, 595-599	5.5	55
145	Ligand-Capped Ru Nanoparticles as Efficient Electrocatalyst for the Hydrogen Evolution Reaction. <i>ACS Catalysis</i> , 2018 , 8, 11094-11102	13.1	53
144	Ruthenium Nanoparticles Stabilized by N-Heterocyclic Carbenes: Ligand Location and Influence on Reactivity. <i>Angewandte Chemie</i> , 2011 , 123, 12286-12290	3.6	52
143	Synthesis of New RuO ₂ @SiO ₂ Composite Nanomaterials and their Application as Catalytic Filters for Selective Gas Detection. <i>Advanced Functional Materials</i> , 2007 , 17, 3339-3347	15.6	51
142	Ruthenium Nanoparticles for Catalytic Water Splitting. <i>ChemSusChem</i> , 2019 , 12, 2493-2514	8.3	50
141	PTA-Stabilized Ruthenium and Platinum Nanoparticles: Characterization and Investigation in Aqueous Biphasic Hydrogenation Catalysis. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 1229-1236	2.3	50
140	Carbohydrate-derived 1,3-diphosphite ligands as chiral nanoparticle stabilizers: promising catalytic systems for asymmetric hydrogenation. <i>ChemSusChem</i> , 2009 , 2, 769-79	8.3	50
139	Chiral Diphosphite-Modified Rhodium(0) Nanoparticles: Catalyst Reservoir for Styrene Hydroformylation. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 3460-3466	2.3	49
138	Surface chemistry on small ruthenium nanoparticles: evidence for site selective reactions and influence of ligands. <i>Chemistry - A European Journal</i> , 2014 , 20, 1287-97	4.8	48

137	Size-controllable APTS stabilized ruthenium(0) nanoparticles catalyst for the dehydrogenation of dimethylamine-borane at room temperature. <i>Dalton Transactions</i> , 2012 , 41, 590-8	4.3	48
136	Platinum colloids stabilized by bifunctional ligands : self-organization and connection to gold. <i>Chemical Communications</i> , 2001 , 1474-1475	5.8	47
135	New Route to Stabilize Ruthenium Nanoparticles with Non-Isolable Chiral N-Heterocyclic Carbenes. <i>Chemistry - A European Journal</i> , 2015 , 21, 17495-502	4.8	45
134	Versatile dual hydrogenation/oxidation nanocatalysts for the aqueous transformation of biomass-derived platform molecules. <i>Green Chemistry</i> , 2012 , 14, 1434	10	44
133	Ag ⁰ and Cu ⁰ nanoparticles in a hydroxyl-group functionalized ionic liquid: synthesis, characterization and catalytic performance. <i>Catalysis Science and Technology</i> , 2015 , 5, 1683-1692	5.5	43
132	Carbon-supported Ru and Pd nanoparticles: Efficient and recyclable catalysts for the aerobic oxidation of benzyl alcohol in water. <i>Microporous and Mesoporous Materials</i> , 2012 , 153, 155-162	5.3	42
131	A betaine adduct of N-heterocyclic carbene and carbodiimide, an efficient ligand to produce ultra-small ruthenium nanoparticles. <i>Chemical Communications</i> , 2015 , 51, 4647-50	5.8	42
130	New Ru Nanoparticles Stabilized by Organosilane Fragments. <i>Chemistry of Materials</i> , 2004 , 16, 4937-4944	6.6	42
129	Deoxygenation of oleic acid: Influence of the synthesis route of Pd/mesoporous carbon nanocatalysts onto their activity and selectivity. <i>Applied Catalysis A: General</i> , 2015 , 504, 81-91	5.1	41
128	Organometallic Preparation of Ni, Pd, and NiPd Nanoparticles for the Design of Supported Nanocatalysts. <i>ACS Catalysis</i> , 2014 , 4, 1735-1742	13.1	41
127	Organometallic Ruthenium Nanoparticles as Model Catalysts for CO Hydrogenation: A Nuclear Magnetic Resonance and Ambient-Pressure X-ray Photoelectron Spectroscopy Study. <i>ACS Catalysis</i> , 2014 , 4, 3160-3168	13.1	40
126	About the Use of Rhodium Nanoparticles in Hydrogenation and Hydroformylation Reactions. <i>Current Organic Chemistry</i> , 2013 , 17, 364-399	1.7	40
125	Carbon-supported Pd nanoparticles as catalysts for anthracene hydrogenation. <i>Fuel</i> , 2014 , 116, 729-735	7.1	39
124	An organometallic approach for the synthesis of water-soluble ruthenium and platinum nanoparticles. <i>Dalton Transactions</i> , 2009 , 10172-4	4.3	39
123	Synthesis of well-dispersed ruthenium nanoparticles inside mesostructured porous silica under mild conditions. <i>Microporous and Mesoporous Materials</i> , 2005 , 79, 185-194	5.3	39
122	Ruthenium nanoparticles in ionic liquids: structural and stability effects of polar solutes. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 13527-36	3.6	38
121	Influence of amines on the size control of in situ synthesized ruthenium nanoparticles in imidazolium ionic liquids. <i>Dalton Transactions</i> , 2011 , 40, 4660-8	4.3	38
120	Zwitterionic amidinates as effective ligands for platinum nanoparticle hydrogenation catalysts. <i>Chemical Science</i> , 2017 , 8, 2931-2941	9.4	37

119	Novel super-structures resulting from the coordination of chiral oxazolines on platinum nanoparticles. <i>New Journal of Chemistry</i> , 2003 , 27, 114-120	3.6	37
118	Alkyl sulfonated diphosphines-stabilized ruthenium nanoparticles as efficient nanocatalysts in hydrogenation reactions in biphasic media. <i>Catalysis Today</i> , 2012 , 183, 34-41	5.3	36
117	Unexpected catalytic and stereoselective hydroarylation of norbornene during the attempted rhodium-catalysed hydroamination of norbornene with aniline or diphenylamine. <i>Journal of the Chemical Society Chemical Communications</i> , 1992 , 1215		36
116	Organometallic Nanoparticles of Metals or Metal Oxides. <i>Oil and Gas Science and Technology</i> , 2007 , 62, 799-817	1.9	35
115	Rh nanoparticles with NiOx surface decoration for selective hydrogenolysis of CO bond over arene hydrogenation. <i>Journal of Molecular Catalysis A</i> , 2016 , 422, 188-197		34
114	Enantioselective hydrogenation of ketones by iridium nanoparticles ligated with chiral secondary phosphine oxides. <i>Catalysis Science and Technology</i> , 2016 , 6, 3758-3766	5.5	34
113	Rhodium-mediated 100% regioselective oxidative hydroamination of olefins. <i>Tetrahedron Letters</i> , 1993 , 34, 3877-3880	2	34
112	An Efficient Strategy to Drive Nanoparticles into Carbon Nanotubes and the Remarkable Effect of Confinement on Their Catalytic Performance. <i>Angewandte Chemie</i> , 2009 , 121, 2567-2571	3.6	33
111	General synthesis of 2-acyloxy-1,3-dienes in one step from carboxylic acids and butenyne derivatives. <i>Journal of the Chemical Society Chemical Communications</i> , 1990 , 1199		33
110	Segregation at a small scale: synthesis of core-shell bimetallic RuPt nanoparticles, characterization and solid state NMR studies. <i>Journal of Materials Chemistry</i> , 2012 , 22, 3578		32
109	Taking advantage of a terpyridine ligand for the deposition of Pd nanoparticles onto a magnetic material for selective hydrogenation reactions. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 1441-1449	13	31
108	Enantiospecific C-H Activation Using Ruthenium Nanocatalysts. <i>Angewandte Chemie</i> , 2015 , 127, 10620-10623		31
107	Methylated β -Cyclodextrin-Capped Ruthenium Nanoparticles: Synthesis Strategies, Characterization, and Application in Hydrogenation Reactions. <i>ChemCatChem</i> , 2013 , 5, 1497-1503	5.2	31
106	Size and composition effects in polymer-protected ultrafine bimetallic Pt _x Ru _{1-x} (0. <i>Physical Review B</i> , 2001 , 63,	3.3	31
105	NHC-stabilized Ru nanoparticles: Synthesis and surface studies. <i>Nano Structures Nano Objects</i> , 2016 , 6, 39-45	5.6	31
104	Reactions of Olefins with Ruthenium Hydride Nanoparticles: NMR Characterization, Hydride Titration, and Room-Temperature C-C Bond Activation. <i>Angewandte Chemie</i> , 2008 , 120, 2104-2108	3.6	29
103	Gas Phase Catalysis by Metal Nanoparticles in Nanoporous Alumina Membranes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2004 , 630, 1913-1918	1.3	29
102	Investigation of the surface chemistry of phosphine-stabilized ruthenium nanoparticles--an advanced solid-state NMR study. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 17383-94	3.6	28

101	Synthesis of Monodisperse Heptanol Stabilized Ruthenium Nanoparticles. Evidence for the Presence of Surface Hydrogens. <i>Zeitschrift Fur Physikalische Chemie</i> , 2003 , 217, 1539-1548	3.1	28
100	In situ formed catalytically active ruthenium nanocatalyst in room temperature dehydrogenation/dehydrocoupling of ammonia-borane from Ru(cod)(cot) precatalyst. <i>Langmuir</i> , 2012 , 28, 4908-14	4	27
99	TEM and HRTEM evidence for the role of ligands in the formation of shape-controlled platinum nanoparticles. <i>Small</i> , 2011 , 7, 235-41	11	27
98	Solid State and Gas Phase NMR Studies of Immobilized Catalysts and Catalytic Active Nanoparticles. <i>Topics in Catalysis</i> , 2008 , 48, 75-83	2.3	27
97	Synthesis of Ruthenium Nanoparticles Stabilized by Heavily Fluorinated Compounds. <i>Advanced Functional Materials</i> , 2006 , 16, 2008-2015	15.6	27
96	Indium and indium-oxide nanoparticle or nanorod formation within functionalised ordered mesoporous silica. <i>New Journal of Chemistry</i> , 2003 , 27, 1029-1031	3.6	27
95	Ruthenium nanoparticles ligated by cholesterol-derived NHCs and their application in the hydrogenation of arenes. <i>Chemical Communications</i> , 2018 , 54, 7070-7073	5.8	27
94	Soluble Platinum Nanoparticles Ligated by Long-Chain N-Heterocyclic Carbenes as Catalysts. <i>Chemistry - A European Journal</i> , 2017 , 23, 12779-12786	4.8	26
93	Probing the surface of platinum nanoparticles with ¹³ CO by solid-state NMR and IR spectroscopies. <i>Nanoscale</i> , 2014 , 6, 539-46	7.7	26
92	Efficient Ruthenium Nanocatalysts in Liquid-Liquid Biphasic Hydrogenation Catalysis: Towards a Supramolecular Control through a Sulfonated Diphosphine-Cyclodextrin Smart Combination. <i>ChemCatChem</i> , 2013 , 5, 3802-3811	5.2	26
91	Efficient and recyclable carbon-supported Pd nanocatalysts for the Suzuki-Miyaura reaction in aqueous-based media: Microwave vs conventional heating. <i>Applied Catalysis A: General</i> , 2013 , 468, 59-67 ^{5.1}		26
90	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> , 2009 , 10, 1235-1239	3.2	26
89	Facile synthesis of ultra-small rhenium nanoparticles. <i>Chemical Communications</i> , 2014 , 50, 10809-11	5.8	25
88	Palladium catalytic systems with hybrid pyrazole ligands in C-C coupling reactions. Nanoparticles versus molecular complexes. <i>Catalysis Science and Technology</i> , 2013 , 3, 475-489	5.5	25
87	Hydrogenation Processes at the Surface of Ruthenium Nanoparticles: A NMR Study. <i>Topics in Catalysis</i> , 2013 , 56, 1253-1261	2.3	24
86	Transformation of CO ₂ by using nanoscale metal catalysts: cases studies on the formation of formic acid and dimethylether. <i>Current Opinion in Chemical Engineering</i> , 2018 , 20, 86-92	5.4	23
85	Design of new N,O hybrid pyrazole derived ligands and their use as stabilizers for the synthesis of Pd nanoparticles. <i>Langmuir</i> , 2010 , 26, 15532-40	4	23
84	Carbon dioxide conversion to dimethyl carbonate: The effect of silica as support for SnO ₂ and ZrO ₂ catalysts. <i>Comptes Rendus Chimie</i> , 2011 , 14, 780-785	2.7	23

83	Tin-decorated ruthenium nanoparticles: a way to tune selectivity in hydrogenation reaction. <i>Nanoscale</i> , 2014 , 6, 9806-16	7.7	22
82	On the influence of diphosphine ligands on the chemical order in small RuPt nanoparticles: combined structural and surface reactivity studies. <i>Dalton Transactions</i> , 2013 , 42, 372-82	4.3	22
81	Seed-mediated synthesis of bimetallic ruthenium-platinum nanoparticles efficient in cinnamaldehyde selective hydrogenation. <i>Dalton Transactions</i> , 2014 , 43, 9283-95	4.3	20
80	A recoverable Pd nanocatalyst for selective semi-hydrogenation of alkynes: hydrogenation of benzyl-propargylamines as a challenging model. <i>Green Chemistry</i> , 2014 , 16, 4566-4574	10	20
79	Ruthenium Nanoparticles in Nanoporous Alumina Membranes: Preparation, Characterization and Catalytic Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2003 , 629, 1217-1222	1.3	20
78	Phosphane-decorated Platinum Nanoparticles as Efficient Catalysts for H ₂ Generation from Ammonia Borane and Methanol. <i>ChemCatChem</i> , 2019 , 11, 766-771	5.2	20
77	Kinetic investigation into the chemoselective hydrogenation of α -unsaturated carbonyl compounds catalyzed by Ni(0) nanoparticles. <i>Dalton Transactions</i> , 2017 , 46, 5082-5090	4.3	19
76	Ligand effect on the catalytic activity of ruthenium nanoparticles in ionic liquids. <i>Dalton Transactions</i> , 2012 , 41, 13919-26	4.3	18
75	[Ru(0)]@SiO ₂ and [RuO ₂]@SiO ₂ Hybrid Nanomaterials: From Their Synthesis to Their Application as Catalytic Filters for Gas Sensors. <i>Advanced Functional Materials</i> , 2009 , 19, 3781-3787	15.6	18
74	Ligand effect on the NMR, vibrational and structural properties of tetra- and hexanuclear ruthenium hydrido clusters: a theoretical investigation. <i>Dalton Transactions</i> , 2009 , 2142-56	4.3	18
73	Polymer versus phosphine stabilized Rh nanoparticles as components of supported catalysts: implication in the hydrogenation of cyclohexene model molecule. <i>Dalton Transactions</i> , 2016 , 45, 17782-17791	4.3	17
72	Concepts in Nanocatalysis 2012 , 1-54		17
71	Using click chemistry to access mono- and ditopic β -cyclodextrin hosts substituted by chiral amino acids. <i>Carbohydrate Research</i> , 2011 , 346, 210-8	2.9	17
70	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> , 2009 , 151, 372-379	14.7	16
69	Neuartige, allein durch organische Lösungsmittel stabilisierte, schwammartige Rutheniumpartikel von kontrollierbarer Größe. <i>Angewandte Chemie</i> , 1999 , 111, 3950-3952	3.6	16
68	Organometallic Ruthenium Nanoparticles and Catalysis. <i>Topics in Organometallic Chemistry</i> , 2014 , 319-3706		15
67	β -Cyclodextrins grafted with chiral amino acids: A promising supramolecular stabilizer of nanoparticles for asymmetric hydrogenation?. <i>Applied Catalysis A: General</i> , 2013 , 467, 497-503	5.1	15
66	Multi-site coordination N-phosphanylamine ligands as stabilizers for the synthesis of ruthenium nanoparticles. <i>New Journal of Chemistry</i> , 2011 , 35, 2653	3.6	15

65	Pd and Pd@PdO core-shell nanoparticles supported on Vulcan carbon XC-72R: comparison of electroactivity for methanol electro-oxidation reaction. <i>Journal of Materials Science</i> , 2019 , 54, 13694-13714	4.3	14
64	Carboxylic acid-capped ruthenium nanoparticles: experimental and theoretical case study with ethanoic acid. <i>Nanoscale</i> , 2019 , 11, 9392-9409	7.7	13
63	Synthesis of composite ruthenium-containing silica nanomaterials from amine-stabilized ruthenium nanoparticles as elemental bricks. <i>Journal of Materials Chemistry</i> , 2010 , 20, 9523		13
62	Formation of nanocomposites of platinum nanoparticles embedded into heavily fluorinated aniline and displaying long range organization. <i>Journal of Materials Chemistry</i> , 2008 , 18, 660-666		13
61	Production of supported asymmetric catalysts in a fluidised bed. <i>Powder Technology</i> , 2005 , 157, 12-19	5.2	13
60	Chemoselective hydrogenation of arenes by PVP supported Rh nanoparticles. <i>Dalton Transactions</i> , 2016 , 45, 19368-19373	4.3	12
59	Alkyl phosphonic acid-based ligands as tools for converting hydrophobic iron nanoparticles into water soluble iron/iron oxide core-shell nanoparticles. <i>New Journal of Chemistry</i> , 2017 , 41, 11898-11905	3.6	12
58	Electro-oxidation of methanol in alkaline conditions using Pd/Ni nanoparticles prepared from organometallic precursors and supported on carbon vulcan. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	12
57	Carbon-supported palladium and ruthenium nanoparticles: application as catalysts in alcohol oxidation, cross-coupling and hydrogenation reactions. <i>Recent Patents on Nanotechnology</i> , 2013 , 7, 247-264	1.2	12
56	Strawberry-like SiO ₂ @Pd and Pt nanomaterials. <i>New Journal of Chemistry</i> , 2014 , 38, 6103-6113	3.6	11
55	Ruthenium Nanoparticles Supported on Carbon Microfibers for Hydrogen Evolution Electrocatalysis. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 2071-2077	2.3	11
54	Organometallic Derived Metals, Colloids, and Nanoparticles 2007 , 71-99		10
53	Rhodium nanoparticles stabilized by ferrocenyl-phosphine ligands: synthesis and catalytic styrene hydrogenation. <i>Dalton Transactions</i> , 2019 , 48, 6777-6786	4.3	9
52	A green route for the synthesis of a bitter-taste dipeptide combining biocatalysis, heterogeneous metal catalysis and magnetic nanoparticles. <i>RSC Advances</i> , 2015 , 5, 36449-36455	3.7	9
51	Light-driven water oxidation using hybrid photosensitizer-decorated Co ₃ O ₄ nanoparticles. <i>Materials Today Energy</i> , 2018 , 9, 506-515	7	9
50	Study of the influence of PPh ₃ used as capping ligand or as reaction modifier for hydroformylation reaction involving Rh NPs as precatalyst. <i>Applied Catalysis A: General</i> , 2017 , 548, 136-142	5.1	9
49	Self-assembled platinum nanoparticles into heavily fluorinated templates: reactive gas effect on the morphology. <i>New Journal of Chemistry</i> , 2009 , 33, 1529	3.6	9
48	Reactions of D ₂ with 1,4-Bis(diphenylphosphino) butane-Stabilized Metal Nanoparticles-A Combined Gas-phase NMR, GC-MS and Solid-state NMR Study. <i>ChemCatChem</i> , 2019 , 11, 1465-1471	5.2	9

47	Structure and activity of supported bimetallic NiPd nanoparticles: influence of preparation method on CO ₂ reduction. <i>ChemCatChem</i> , 2020 , 12, 2967-2976	5.2	8
46	Active hydrogenation Rh nanocatalysts protected by new self-assembled supramolecular complexes of cyclodextrins and surfactants in water. <i>RSC Advances</i> , 2016 , 6, 108125-108131	3.7	8
45	Metallic Nanoparticles in Neat Water for Catalytic Applications 2012 , 55-95		7
44	Metallic Nanoparticles in Ionic Liquids [Applications in Catalysis 2012 , 203-249		7
43	Oxidation of methane to methanol over Pd@Pt nanoparticles under mild conditions in water. <i>Catalysis Science and Technology</i> , 2021 , 11, 3493-3500	5.5	7
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