Karine Philippot

List of Publications by Year
in descending order

168 papers	8,791 citations	34016 52 h-index	54797 84 g-index
205 all docs	205 docs citations	205 times ranked	7315 citing authors

#	Article	IF	Citations
1	Ligand-Stabilized Ruthenium Nanoparticles:Â Synthesis, Organization, and Dynamics. Journal of the American Chemical Society, 2001, 123, 7584-7593.	6.6	336
2	A Case for Enantioselective Allylic Alkylation Catalyzed by Palladium Nanoparticles. Journal of the American Chemical Society, 2004, 126, 1592-1593.	6.6	288
3	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, 2529-2533.	7.2	237
4	Ruthenium Nanoparticles Stabilized by Nâ€Heterocyclic Carbenes: Ligand Location and Influence on Reactivity. Angewandte Chemie - International Edition, 2011, 50, 12080-12084.	7.2	199
5	Influence of organic ligands on the stabilization of palladium nanoparticles. Journal of Organometallic Chemistry, 2004, 689, 4601-4610.	0.8	174
6	The hydrogenation of nitroarenes mediated by platinum nanoparticles: an overview. Catalysis Science and Technology, 2014, 4, 2445-2465.	2.1	152
7	Organometallic Synthesis of Size-Controlled Polycrystalline Ruthenium Nanoparticles in the Presence of Alcohols. Advanced Functional Materials, 2003, 13, 118-126.	7.8	151
8	Organometallic approach to the synthesis and surface reactivity of noble metal nanoparticles. Comptes Rendus Chimie, 2003, 6, 1019-1034.	0.2	146
9	Platinum nanoparticles stabilized by CO and octanethiol ligands or polymers: FT-IR, NMR, HREM and WAXS studies. New Journal of Chemistry, 1998, 22, 703-712.	1.4	140
10	Shape Control of Platinum Nanoparticles. Advanced Functional Materials, 2007, 17, 2219-2228.	7.8	138
11	Catalysis with Colloidal Ruthenium Nanoparticles. Chemical Reviews, 2020, 120, 1085-1145.	23.0	137
12	Novel, Spongelike Ruthenium Particles of Controllable Size Stabilized Only by Organic Solvents. Angewandte Chemie - International Edition, 1999, 38, 3736-3738.	7.2	131
13	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.	6.7	131
14	Organometallic approach for the synthesis of nanostructures. New Journal of Chemistry, 2013, 37, 3374.	1.4	127
15	NHC-stabilized ruthenium nanoparticles as new catalysts for the hydrogenation of aromatics. Catalysis Science and Technology, 2013, 3, 99-105.	2.1	126
16	A New Synthetic Method toward Bimetallic Ruthenium Platinum Nanoparticles; Composition Induced Structural Changes. Journal of Physical Chemistry B, 1999, 103, 10098-10101.	1.2	125
17	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.	6.7	125
18	Direct NMR Evidence for the Presence of Mobile Surface Hydrides on Ruthenium Nanoparticles. ChemPhysChem, 2005, 6, 605-607.	1.0	122

#	Article	IF	Citations
19	Catalytic investigation of rhodium nanoparticles in hydrogenation of benzene and phenylacetylene. Journal of Molecular Catalysis A, 2002, 178, 55-61.	4.8	121
20	Reactions of Olefins with Ruthenium Hydride Nanoparticles: NMR Characterization, Hydride Titration, and Roomâ€Temperature Cï£¿C Bond Activation. Angewandte Chemie - International Edition, 2008, 47, 2074-2078.	7.2	121
21	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
22	Enantiospecific Cï£¿H Activation Using Ruthenium Nanocatalysts. Angewandte Chemie - International Edition, 2015, 54, 10474-10477.	7.2	118
23	Synthesis, characterization and catalytic reactivity of ruthenium nanoparticles stabilized by chiral N-donor ligands. New Journal of Chemistry, 2006, 30, 115-122.	1.4	111
24	Organometallic Ruthenium Nanoparticles: A Comparative Study of the Influence of the Stabilizer on their Characteristics and Reactivity. ChemCatChem, 2013, 5, 28-45.	1.8	108
25	In Situ Formation of Gold Nanoparticles within Thiol Functionalized HMS-C16and SBA-15 Type Materials via an Organometallic Two-Step Approach. Chemistry of Materials, 2003, 15, 2017-2024.	3.2	101
26	Gold nanoparticles from self-assembled gold(i) amine precursors. Chemical Communications, 2000, , 1945-1946.	2.2	98
27	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.	3.1	94
28	Controlled metal nanostructures: Fertile ground for coordination chemists. Coordination Chemistry Reviews, 2016, 308, 409-432.	9.5	93
29	Ruthenium Nanoparticles for Catalytic Water Splitting. ChemSusChem, 2019, 12, 2493-2514.	3.6	93
30	Phosphine-Stabilized Ruthenium Nanoparticles: The Effect of the Nature of the Ligand in Catalysis. ACS Catalysis, 2012, 2, 317-321.	5.5	90
31	Platinum Nâ€Heterocyclic Carbene Nanoparticles as New and Effective Catalysts for the Selective Hydrogenation of Nitroaromatics. ChemCatChem, 2014, 6, 87-90.	1.8	89
32	Rhodium-catalysed hydroamination-hydroarylation of norbornene with aniline, toluidines or diphenylamine. Journal of Organometallic Chemistry, 1994, 469, 221-228.	0.8	83
33	Direct Observation of the Reversible Changes of the Morphology of Pt Nanoparticles under Gas Environment. Journal of Physical Chemistry C, 2010, 114, 2160-2163.	1.5	83
34	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
35	A porous Ru nanomaterial as an efficient electrocatalyst for the hydrogen evolution reaction under acidic and neutral conditions. Chemical Communications, 2017, 53, 11713-11716.	2.2	83
36	In situ formation of gold nanoparticles within functionalised ordered mesoporous silica via an organometallic â€˜chimie douceâ€™ approach. Chemical Communications, 2001, , 1374-1375.	2.2	82

#	Article	IF	Citations
37	Aminopropyltriethoxysilane stabilized ruthenium(0) nanoclusters as an isolable and reusable heterogeneous catalyst for the dehydrogenation of dimethylamineâ€“borane. Chemical Communications, 2010, 46, 2938.	2.2	82
38	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
39	A new and specific mode of stabilization of metallic nanoparticles. Chemical Communications, 2008, , 3296.	2.2	77
40	Location and Dynamics of CO Co-ordination on Ru Nanoparticles: A Solid State NMR Study. Catalysis Letters, 2010, 140, 1-7.	1.4	77
41	Kinetics of hydrogen evolution reaction on stabilized Ni, Pt and Niâ€“Pt nanoparticles obtained by an organometallic approach. International Journal of Hydrogen Energy, 2012, 37, 4798-4811.	3.8	77
42	Ligand-Capped Ru Nanoparticles as Efficient Electrocatalyst for the Hydrogen Evolution Reaction. ACS Catalysis, 2018, 8, 11094-11102.	5.5	70
43	Palladium Catalytic Species Containing Chiral Phosphites: Towards a Discrimination between Molecular and Colloidal Catalysts. Advanced Synthesis and Catalysis, 2007, 349, 2459-2469.	2.1	68
44	A novel stabilisation model for ruthenium nanoparticles in imidazolium ionic liquids: in situ spectroscopic and labelling evidence. Physical Chemistry Chemical Physics, 2010, 12, 4217.	1.3	68
45	Diphosphite ligands derived from carbohydrates as stabilizers for ruthenium nanoparticles: promising catalytic systems in arene hydrogenation. Chemical Communications, 2008, , 2759.	2.2	65
46	Long-chain NHC-stabilized RuNPs as versatile catalysts for one-pot oxidation/hydrogenation reactions. Chemical Communications, 2016, 52, 4768-4771.	2.2	63
47	Secondary phosphineoxides as pre-ligands for nanoparticle stabilization. Catalysis Science and Technology, 2013, 3, 595-599.	2.1	60
48	Synthesis of New RuO₂@SiO₂ Composite Nanomaterials and their Application as Catalytic Filters for Selective Gas Detection. Advanced Functional Materials, 2007, 17, 3339-3347.	7.8	55
49	Chiral Diphosphiteâ€Modified Rhodium(0) Nanoparticles: Catalyst Reservoir for Styrene Hydroformylation. European Journal of Inorganic Chemistry, 2008, 2008, 3460-3466.	1.0	54
50	Carbohydrateâ€Derived 1,3â€Diphosphite Ligands as Chiral Nanoparticle Stabilizers: Promising Catalytic Systems for Asymmetric Hydrogenation. ChemSusChem, 2009, 2, 769-779.	3.6	54
51	New Route to Stabilize Ruthenium Nanoparticles with Nonâ€Isolable Chiral Nâ€Heterocyclic Carbenes. Chemistry - A European Journal, 2015, 21, 17495-17502.	1.7	54
52	Size-controllable APTS stabilized ruthenium(0)nanoparticlescatalyst for the dehydrogenation of dimethylamineâ€“borane at room temperature. Dalton Transactions, 2012, 41, 590-598.	1.6	51
53	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
54	A betaine adduct of N-heterocyclic carbene and carbodiimide, an efficient ligand to produce ultra-small ruthenium nanoparticles. Chemical Communications, 2015, 51, 4647-4650.	2.2	51

#	Article	IF	Citations
55	Surface Chemistry on Small Ruthenium Nanoparticles: Evidence for Site Selective Reactions and Influence of Ligands. Chemistry - A European Journal, 2014, 20, 1287-1297.	1.7	50
56	Platinum colloids stabilized by bifunctional ligands: self-organization and connection to gold. Chemical Communications, 2001, , 1474-1475.	2.2	49
57	Carbon-supported Pd nanoparticles as catalysts for anthracene hydrogenation. Fuel, 2014, 116, 729-735.	3.4	49
58	New Ru Nanoparticles Stabilized by Organosilane Fragments. Chemistry of Materials, 2004, 16, 4937-4941.	3.2	48
59	Zwitterionic amidinates as effective ligands for platinum nanoparticle hydrogenation catalysts. Chemical Science, 2017, 8, 2931-2941.	3.7	48
60	Versatile dual hydrogenationâ€“oxidation nanocatalysts for the aqueous transformation of biomass-derived platform molecules. Green Chemistry, 2012, 14, 1434.	4.6	47
61	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.	2.2	47
62	About the Use of Rhodium Nanoparticles in Hydrogenation and Hydroformylation Reactions. Current Organic Chemistry, 2013, 17, 364-399.	0.9	47
63	Agâ€“Pd and CuOâ€“Pd nanoparticles in a hydroxyl-group functionalized ionic liquid: synthesis, characterization and catalytic performance. Catalysis Science and Technology, 2015, 5, 1683-1692.	2.1	46
64	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.	2.2	46
65	Organometallic Preparation of Ni, Pd, and NiPd Nanoparticles for the Design of Supported Nanocatalysts. ACS Catalysis, 2014, 4, 1735-1742.	5.5	45
66	Rhodium-mediated 100% regioselective oxidative hydroamination of Î±-olefins.. Tetrahedron Letters, 1993, 34, 3877-3880.	0.7	44
67	Ruthenium nanoparticles in ionic liquids: structural and stability effects of polar solutes. Physical Chemistry Chemical Physics, 2011, 13, 13527.	1.3	42
68	Influence of amines on the size control of in situ synthesized ruthenium nanoparticles in imidazolium ionic liquids. Dalton Transactions, 2011, 40, 4660.	1.6	42
69	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.	5.5	42
70	Rh nanoparticles with NiO x surface decoration for selective hydrogenolysis of C O bond over arene hydrogenation. Journal of Molecular Catalysis A, 2016, 422, 188-197.	4.8	42
71	An organometallic approach for the synthesis of water-soluble ruthenium and platinum nanoparticles. Dalton Transactions, 2009, , 10172.	1.6	41
72	Enantioselective hydrogenation of ketones by iridium nanoparticles ligated with chiral secondary phosphine oxides. Catalysis Science and Technology, 2016, 6, 3758-3766.	2.1	41

#	Article	IF	Citations
73	Novel super-structures resulting from the coordination of chiral oxazolines on platinum nanoparticles. New Journal of Chemistry, 2003, 27, 114-120.	1.4	40
74	Synthesis of well-dispersed ruthenium nanoparticles inside mesostructured porous silica under mild conditions. Microporous and Mesoporous Materials, 2005, 79, 185-194.	2.2	40
75	Unexpected catalytic and stereoselective hydroarylation of norbornene during the attempted rhodium-catalysed hydroamination of norbornene with aniline or diphenylamine. Journal of the Chemical Society Chemical Communications, 1992, , 1215.	2.0	39
76	Organometallic Nanoparticles of Metals or Metal Oxides. Oil and Gas Science and Technology, 2007, 62, 799-817.	1.4	38
77	Alkyl sulfonated diphosphines-stabilized ruthenium nanoparticles as efficient nanocatalysts in hydrogenation reactions in biphasic media. Catalysis Today, 2012, 183, 34-41.	2.2	38
78	General synthesis of 2-acyloxy-1,3-dienes in one step from carboxylic acids and butenyne derivatives. Journal of the Chemical Society Chemical Communications, 1990, , 1199.	2.0	37
79	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.	3.8	37
80	Methylated Î²â€Cyclodextrinâ€Capped Ruthenium Nanoparticles: Synthesis Strategies, Characterization, and Application in Hydrogenation Reactions. ChemCatChem, 2013, 5, 1497-1503.	1.8	36
81	Soluble Platinum Nanoparticles Ligated by Longâ€Chain Nâ€Heterocyclic Carbenes as Catalysts. Chemistry - A European Journal, 2017, 23, 12779-12786.	1.7	36
82	Ruthenium nanoparticles ligated by cholesterol-derived NHCs and their application in the hydrogenation of arenes. Chemical Communications, 2018, 54, 7070-7073.	2.2	36
83	Size and composition effects in polymer-protected ultrafine bimetallicPtxRu1â^'x(0<x<1)particles. Physical Review B, 2001, 63, .	1.1	35
84	Gas Phase Catalysis by Metal Nanoparticles in Nanoporous Alumina Membranes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2004, 630, 1913-1918.	0.6	34
85	Segregation at a small scale: synthesis of coreâ€"shell bimetallic RuPt nanoparticles, characterization and solid state NMR studies. Journal of Materials Chemistry, 2012, 22, 3578.	6.7	34
86	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.	5.2	34
87	NHC-stabilized Ru nanoparticles: Synthesis and surface studies. Nano Structures Nano Objects, 2016, 6, 39-45.	1.9	34
88	TEM and HRTEM Evidence for the Role of Ligands in the Formation of Shapeâ€Controlled Platinum Nanoparticles. Small, 2011, 7, 235-241.	5.2	33
89	Synthesis of Monodisperse Heptanol Stabilized Ruthenium Nanoparticles. Evidence for the Presence of Surface Hydrogens. Zeitschrift Fur Physikalische Chemie, 2003, 217, 1539-1548.	1.4	32
90	Pd and Pd@PdO coreâ€"shell nanoparticles supported on Vulcan carbon XC-72R: comparison of electroactivity for methanol electro-oxidation reaction. Journal of Materials Science, 2019, 54, 13694-13714.	1.7	32

#	Article	IF	Citations
91	Solid State and Gas Phase NMR Studies of Immobilized Catalysts and Catalytic Active Nanoparticles. Topics in Catalysis, 2008, 48, 75-83.	1.3	30
92	Phosphaneâ€decorated Platinum Nanoparticles as Efficient Catalysts for H₂ Generation from Ammonia Borane and Methanol. ChemCatChem, 2019, 11, 766-771.	1.8	30
93	Indium and indium-oxide nanoparticle or nanorod formation within functionalised ordered mesoporous silica. New Journal of Chemistry, 2003, 27, 1029-1031.	1.4	29
94	Investigation of the surface chemistry of phosphine-stabilized ruthenium nanoparticles â€“ an advanced solid-state NMR study. Physical Chemistry Chemical Physics, 2013, 15, 17383.	1.3	29
95	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
96	Efficient and recyclable carbon-supported Pd nanocatalysts for the Suzukiâ€“Miyaura reaction in aqueous-based media: Microwave vs conventional heating. Applied Catalysis A: General, 2013, 468, 59-67.	2.2	29
97	Synthesis of Ruthenium Nanoparticles Stabilized by Heavily Fluorinated Compounds. Advanced Functional Materials, 2006, 16, 2008-2015.	7.8	28
98	In Situ Formed Catalytically Active Ruthenium Nanocatalyst in Room Temperature Dehydrogenation/Dehydrocoupling of Ammonia-Borane from Ru(cod)(cot) Precatalyst. Langmuir, 2012, 28, 4908-4914.	1.6	28
99	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
100	Palladium catalytic systems with hybrid pyrazole ligands in Câ€“C coupling reactions. Nanoparticles versus molecular complexes. Catalysis Science and Technology, 2013, 3, 475-489.	2.1	27
101	Probing the surface of platinum nanoparticles with13CO by solid-state NMR and IR spectroscopies. Nanoscale, 2014, 6, 539-546.	2.8	27
102	Kinetic investigation into the chemoselective hydrogenation of Î±,Î²-unsaturated carbonyl compounds catalyzed by Ni(0) nanoparticles. Dalton Transactions, 2017, 46, 5082-5090.	1.6	27
103	Facile synthesis of ultra-small rhenium nanoparticles. Chemical Communications, 2014, 50, 10809.	2.2	26
104	Hydrogenation Processes at the Surface of Ruthenium Nanoparticles: A NMR Study. Topics in Catalysis, 2013, 56, 1253-1261.	1.3	25
105	Design of New N,O Hybrid Pyrazole Derived Ligands and Their Use as Stabilizers for the Synthesis of Pd Nanoparticles. Langmuir, 2010, 26, 15532-15540.	1.6	24
106	Carbon dioxide conversion to dimethyl carbonate: The effect of silica as support for SnO2 and ZrO2 catalysts. Comptes Rendus Chimie, 2011, 14, 780-785.	0.2	24
107	Tin-decorated ruthenium nanoparticles: a way to tune selectivity in hydrogenation reaction. Nanoscale, 2014, 6, 9806-9816.	2.8	24
108	On the influence of diphosphine ligands on the chemical order in small RuPt nanoparticles: combined structural and surface reactivity studies. Dalton Transactions, 2013, 42, 372-382.	1.6	23

#	Article	IF	Citations
109	Oxidation of methane to methanol over Pd@Pt nanoparticles under mild conditions in water. Catalysis Science and Technology, 2021, 11, 3493-3500.	2.1	23
110	Seed-mediated synthesis of bimetallic rutheniumâ€“platinum nanoparticles efficient in cinnamaldehyde selective hydrogenation. Dalton Transactions, 2014, 43, 9283-9295.	1.6	22
111	Title is missing!. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2003, 629, 1217-1222.	0.6	21
112	A recoverable Pd nanocatalyst for selective semi-hydrogenation of alkynes: hydrogenation of benzyl-propargylamines as a challenging model. Green Chemistry, 2014, 16, 4566-4574.	4.6	21
113	[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.	7.8	20
114	Ligand effect on the NMR, vibrational and structural properties of tetra- and hexanuclear ruthenium hydrido clusters: a theoretical investigation. Dalton Transactions, 2009, , 2142.	1.6	20
115	Organometallic Ruthenium Nanoparticles and Catalysis. Topics in Organometallic Chemistry, 2014, , 319-370.	0.7	20
116	Ligand effect on the catalytic activity of ruthenium nanoparticles in ionic liquids. Dalton Transactions, 2012, 41, 13919.	1.6	19
117	Carboxylic acid-capped ruthenium nanoparticles: experimental and theoretical case study with ethanoic acid. Nanoscale, 2019, 11, 9392-9409.	2.8	19
118	An air-stable, reusable Ni@Ni(OH)₂nanocatalyst for CO₂/bicarbonate hydrogenation to formate. Nanoscale, 2021, 13, 8931-8939.	2.8	19
119	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
120	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
121	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.	1.6	18
122	Tuning the selectivity of phenol hydrogenation using Pd, Rh and Ru nanoparticles supported on ceria- and titania-modified silicas. Catalysis Today, 2021, 381, 126-132.	2.2	18
123	Structure and activity of supported bimetallic NiPd nanoparticles: influence of preparation method on CO₂ reduction. ChemCatChem, 2020, 12, 2967-2976.	1.8	17
124	Organocatalytic <i>vs.</i> Ru-based electrochemical hydrogenation of nitrobenzene in competition with the hydrogen evolution reaction. Dalton Transactions, 2020, 49, 6446-6456.	1.6	17
125	Chemoselective hydrogenation of arenes by PVP supported Rh nanoparticles. Dalton Transactions, 2016, 45, 19368-19373.	1.6	16
126	Ruthenium Nanoparticles Supported on Carbon Microfibers for Hydrogen Evolution Electrocatalysis. European Journal of Inorganic Chemistry, 2019, 2019, 2071-2077.	1.0	16

#	Article	IF	Citations
127	Multi-site coordination N-phosphanylamidine ligands as stabilizers for the synthesis of ruthenium nanoparticles. New Journal of Chemistry, 2011, 35, 2653.	1.4	15
128	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
129	Alkyl phosphonic acid-based ligands as tools for converting hydrophobic iron nanoparticles into water soluble ironâ€“iron oxide coreâ€“shell nanoparticles. New Journal of Chemistry, 2017, 41, 11898-11905.	1.4	15
130	Study of the influence of PPh3 used as capping ligand or as reaction modifier for hydroformylation reaction involving Rh NPs as precatalyst. Applied Catalysis A: General, 2017, 548, 136-142.	2.2	15
131	Organometallic Derived Metals, Colloids, and Nanoparticles. , 2007, , 71-99.		14
132	Carbon-supported Palladium and Ruthenium Nanoparticles: Application as Catalysts in Alcohol Oxidation, Cross-coupling and Hydrogenation Reactions. Recent Patents on Nanotechnology, 2013, 7, 247-264.	0.7	14
133	Production of supported asymmetric catalysts in a fluidised bed. Powder Technology, 2005, 157, 12-19.	2.1	13
134	Formation of nanocomposites of platinum nanoparticles embedded into heavily fluorinated aniline and displaying long range organization. Journal of Materials Chemistry, 2008, 18, 660-666.	6.7	13
135	Synthesis of composite ruthenium-containing silica nanomaterials from amine-stabilized ruthenium nanoparticles as elemental bricks. Journal of Materials Chemistry, 2010, 20, 9523.	6.7	13
136	Electro-oxidation of methanol in alkaline conditions using Pdâ€“Ni nanoparticles prepared from organometallic precursors and supported on carbon vulcan. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	13
137	Strawberry-like SiO₂@Pd and Pt nanomaterials. New Journal of Chemistry, 2014, 38, 6103-6113.	1.4	12
138	Rhodium nanoparticles stabilized by ferrocenyl-phosphine ligands: synthesis and catalytic styrene hydrogenation. Dalton Transactions, 2019, 48, 6777-6786.	1.6	12
139	Self-assembled platinum nanoparticles into heavily fluorinated templates: reactive gas effect on the morphology. New Journal of Chemistry, 2009, 33, 1529.	1.4	11
140	Light-driven water oxidation using hybrid photosensitizer-decorated Co3O4 nanoparticles. Materials Today Energy, 2018, 9, 506-515.	2.5	11
141	Reactions of D 2 with 1,4â€Bis(diphenylphosphino) butaneâ€Stabilized Metal Nanoparticlesâ€A Combined Gasâ€phase NMR, GCâ€MS and Solidâ€state NMR Study. ChemCatChem, 2019, 11, 1465-1471.	1.8	11
142	Synthesis of Supported Catalysts by Dry Impregnation in Fluidized Bed. Chemical Engineering Research and Design, 2007, 85, 767-777.	2.7	9
143	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.	1.7	9
144	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

#	Article	IF	Citations
145	Dissimilar catalytic behavior of molecular or colloidal palladium systems with a new NHC ligand. Dalton Transactions, 2017, 46, 11768-11778.	1.6	9
146	The role of catalystâ€“support interactions in oxygen evolution anodes based on Co(OH)₂ nanoparticles and carbon microfibers. Catalysis Science and Technology, 2020, 10, 4513-4521.	2.1	9
147	Bimetallic RuNi nanoparticles as catalysts for upgrading biomass: metal dilution and solvent effects on selectivity shifts. Green Chemistry, 2021, 23, 8480-8500.	4.6	9
148	Control of reactivity through chemical order in very small RuRe nanoparticles. Dalton Transactions, 2017, 46, 15070-15079.	1.6	8
149	Synthesis of Rh nanoparticles in alcohols: magnetic and electrocatalytic properties. Journal of Materials Science, 2018, 53, 8933-8950.	1.7	8
150	TiO2-mediated visible-light-driven hydrogen evolution by ligand-capped Ru nanoparticles. Sustainable Energy and Fuels, 2020, 4, 4170-4178.	2.5	7
151	Rhodium nanoparticles inside well-defined unimolecular amphiphilic polymeric nanoreactors: synthesis and biphasic hydrogenation catalysis. Nanoscale Advances, 2021, 3, 2554-2566.	2.2	7
152	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.	2.7	6
153	In Situ Ruthenium Catalyst Modification for the Conversion of Furfural to 1,2-Pentanediol. Nanomaterials, 2022, 12, 328.	1.9	6
154	Metal Nanocatalysts in Solution: Characterization and Reactivity. Topics in Catalysis, 2013, 56, 1153-1153.	1.3	5
155	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.	0.5	4
156	Water Transfer of Hydrophobic Nanoparticles: Principles and Methods. , 2016, , 1279-1311.		4
157	CHAPTER 4. Organometallic Approach for the Synthesis of Noble Metal Nanoparticles: Towards Application in Colloidal and Supported Nanocatalysis. RSC Catalysis Series, 0, , 47-82.	0.1	4
158	Covalent Grafting of Ruthenium Complexes on Iron Oxide Nanoparticles: Hybrid Materials for Photocatalytic Water Oxidation. ACS Applied Materials & Interfaces, 2021, 13, 53829-53840.	4.0	4
159	Ru nanoparticles supported on alginate-derived graphene as hybrid electrodes for the hydrogen evolution reaction. New Journal of Chemistry, 2021, 46, 49-56.	1.4	4
160	When organophosphorus ruthenium complexes covalently bind to ruthenium nanoparticles to form nanoscale hybrid materials. Chemical Communications, 2020, 56, 4059-4062.	2.2	3
161	Correlation between surface chemistry and magnetism in iron nanoparticles. Nanoscale Advances, 2021, 3, 4471-4481.	2.2	3
162	Synthesis of NiFeOx nanocatalysts from metalâ€“organic precursors for the oxygen evolution reaction. Dalton Transactions, 2022, 51, 11457-11466.	1.6	3

#	Article	IF	Citations
163	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
164	On the Use of Organometallic Chemistry Concepts for the Synthesis of Nanocatalysts. , 2016, , 41-79.		2
165	One-pot organometallic synthesis of alumina-embedded Pd nanoparticles. Dalton Transactions, 2017, 46, 14318-14324.	1.6	2
166	Facile One-Pot Synthesis of Rhenium Nanoparticles. Materials Research Society Symposia Proceedings, 2014, 1675, 157-162.	0.1	1
167	Nanoparticles deposit location control on porous particles during dry impregnation in a fluidized bed. Powder Technology, 2014, 257, 198-202.	2.1	1
168	Water Transfer of Hydrophobic Nanoparticles: Principles and Methods. , 2014, , 1-26.		0