

# Anna M Trzeciak

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4496611/publications.pdf>

Version: 2024-02-01

174  
papers

4,467  
citations

117571

34  
h-index

149623

56  
g-index

183  
all docs

183  
docs citations

183  
times ranked

3661  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pd-PVP colloid as catalyst for Heck and carbonylation reactions: TEM and XPS studies. <i>Journal of Catalysis</i> , 2005, 229, 332-343.	3.1	237
2	Structural and mechanistic studies of Pd-catalyzed CC bond formation: The case of carbonylation and Heck reaction. <i>Coordination Chemistry Reviews</i> , 2005, 249, 2308-2322.	9.5	172
3	Monomolecular, nanosized and heterogenized palladium catalysts for the Heck reaction. <i>Coordination Chemistry Reviews</i> , 2007, 251, 1281-1293.	9.5	156
4	Palladium nanoparticles supported on alumina-based oxides as heterogeneous catalysts of the Suzuki-Miyaura reaction. <i>Journal of Catalysis</i> , 2008, 254, 121-130.	3.1	152
5	PEPPSI-Type Palladium Complexes Containing Basic 1,2,3-Triazolylidene Ligands and Their Role in Suzuki-Miyaura Catalysis. <i>Chemistry - A European Journal</i> , 2012, 18, 6055-6062.	1.7	150
6	The role of palladium nanoparticles in catalytic C-C cross-coupling reactions. <i>Coordination Chemistry Reviews</i> , 2019, 384, 1-20.	9.5	142
7	Perspectives of rhodium organometallic catalysis. Fundamental and applied aspects of hydroformylation. <i>Coordination Chemistry Reviews</i> , 1999, 190-192, 883-900.	9.5	110
8	N-Heterocyclic carbene-rhodium complexes as catalysts for hydroformylation and related reactions. <i>Coordination Chemistry Reviews</i> , 2011, 255, 473-483.	9.5	102
9	Novel rhodium complexes with N-pyrrolylphosphines: attractive precursors of hydroformylation catalysts. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 1831-1838.	1.1	70
10	Rhodium complexes supported on zinc aluminate spinel as catalysts for hydroformylation and hydrogenation: preparation and activity. <i>Journal of Molecular Catalysis A</i> , 2002, 189, 203-210.	4.8	68
11	A new, highly selective, water-soluble rhodium catalyst for methyl acrylate hydroformylation. <i>Journal of Organometallic Chemistry</i> , 1995, 505, 11-16.	0.8	61
12	PdCl <sub>2</sub> (P(OPh) <sub>3</sub> ) <sub>2</sub> Catalyzed Coupling and Carbonylative Coupling of Phenylacetylenes with Aryl Iodides in Organic Solvents and in Ionic Liquids. <i>Catalysis Letters</i> , 2006, 109, 37-41.	1.4	61
13	Synthesis of Palladium Benzyl Complexes from the Reaction of PdCl <sub>2</sub> [P(OPh) <sub>3</sub> ] <sub>2</sub> with Benzyl Bromide and Triethylamine: Important Intermediates in Catalytic Carbonylation. <i>Organometallics</i> , 2002, 21, 132-137.	1.1	57
14	Low pressure, highly active rhodium catalyst for the homogeneous hydroformylation of olefins. <i>Journal of Molecular Catalysis</i> , 1986, 34, 213-219.	1.2	55
15	Synthesis of rhodium(I) acetylacetonato-bis(triphenylphosphite) complex and its reactivity towards carbon monoxide. <i>Inorganica Chimica Acta</i> , 1982, 64, L267-L268.	1.2	52
16	Hydroformylation and related reactions of vinylsilanes catalyzed by siloxide complexes of rhodium(I) and iridium(I). <i>Journal of Molecular Catalysis A</i> , 2005, 237, 246-253.	4.8	50
17	Palladium(0) nanoparticles formed in situ in the Suzuki-Miyaura reaction: The effect of a palladium(II) precursor. <i>Applied Catalysis A: General</i> , 2010, 378, 83-89.	2.2	49
18	New rhodium complexes as low pressure hydroformylation catalysts: effect of ligand on catalyst activity and selectivity. <i>Journal of Molecular Catalysis</i> , 1984, 26, 355-361.	1.2	48

#	ARTICLE	IF	CITATIONS
19	Pd colloid-catalyzed methoxycarbonylation of iodobenzene in ionic liquids. <i>Journal of Molecular Catalysis A</i> , 2004, 224, 81-86.	4.8	48
20	Homogeneous/heterogeneous palladium based catalytic system for Heck reaction. The reversible transfer of palladium between solution and support. <i>Topics in Catalysis</i> , 2006, 40, 173-184.	1.3	48
21	Palladium(0) nanoparticles encapsulated in diamine-modified glycidyl methacrylate polymer (GMA-CHDA) applied as catalyst of Suzuki-Miyaura cross-coupling reaction. <i>New Journal of Chemistry</i> , 2008, 32, 1124.	1.4	46
22	Infrared and NMR, <sup>1</sup> H, <sup>19</sup> F, <sup>31</sup> P studies of Rh(I) complexes of the formula: [Rh(η <sup>2</sup> -diketone)(CO)X(P)Y] (x =) Tj ETQq0,0 0 rgBTJ/Overlock	1.2	45
23	Base-free efficient palladium catalyst of Heck reaction in molten tetrabutylammonium bromide. <i>Journal of Molecular Catalysis A</i> , 2006, 257, 3-8.	4.8	45
24	Structure, Electrochemistry and Hydroformylation Catalytic Activity of the Bis(pyrazolylborato)rhodium(I) Complexes [RhBp(CO)P] [P = P(NC <sub>4</sub> H <sub>4</sub> ) <sub>3</sub> , PPh <sub>3</sub> , PCy <sub>3</sub> , P(C <sub>6</sub> H <sub>4</sub> OMe-4) <sub>3</sub> ]. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 1411-1419.	1.0	43
25	Rh(acac)(CO)(PR <sub>3</sub> ) and Rh(oxinate)(CO)(PR <sub>3</sub> ) complexes substitution chemistry and structural aspects. <i>Journal of Organometallic Chemistry</i> , 2000, 602, 59-64.	0.8	40
26	Redox potential, ligand and structural effects in rhodium(I) complexes. <i>Journal of Organometallic Chemistry</i> , 2001, 620, 174-181.	0.8	40
27	Palladium(II) Complexes with Small N-Heterocyclic Carbene Ligands as Highly Active Catalysts for the Suzuki-Miyaura Cross-Coupling Reaction. <i>ChemCatChem</i> , 2013, 5, 1152-1160.	1.8	40
28	Effect of carboxylic acids on the yield and selectivity of the hydroformylation of hex-1-ene catalysed by [Rh(acac)(CO)(PPh <sub>3</sub> )]. <i>Journal of Molecular Catalysis</i> , 1993, 80, 189-200.	1.2	38
29	Chemistry of palladium phosphinite (PPh <sub>2</sub> (OR)) and phosphonite (P(OPh) <sub>2</sub> (OH)) complexes: catalytic activity in methoxycarbonylation and Heck coupling reactions. <i>Dalton Transactions</i> , 2006, , 213-220.	1.6	38
30	Rhodium(I) N-Heterocyclic Carbene Complexes as Highly Selective Catalysts for 1-Hexene Hydroformylation. <i>Organometallics</i> , 2008, 27, 4131-4138.	1.1	37
31	Palladium supported on Al <sub>2</sub> O <sub>3</sub> -CeO <sub>2</sub> modified with ionic liquids as a highly active catalyst of the Suzuki-Miyaura cross-coupling. <i>Journal of Catalysis</i> , 2014, 319, 87-94.	3.1	37
32	Palladium nanoparticles supported on a nickel pyrazolate metal organic framework as a catalyst for Suzuki and carbonylative Suzuki couplings. <i>Dalton Transactions</i> , 2016, 45, 13525-13531.	1.6	37
33	Reusable functionalized polysiloxane-supported palladium catalyst for Suzuki-Miyaura cross-coupling. <i>Journal of Catalysis</i> , 2011, 282, 270-277.	3.1	35
34	Hex-1-ene hydroformylation catalyzed by Rh(acac){P(OPh) <sub>3</sub> } <sub>2</sub> modified with amines, formation of reactive HRh(CO){P(OPh) <sub>3</sub> } <sub>3</sub> and unreactive Rh <sub>4</sub> (CO) <sub>8</sub> {P(OPh) <sub>3</sub> } <sub>4</sub> species. <i>Journal of Organometallic Chemistry</i> , 1990, 390, 105-111.	0.8	34
35	New bimetallic rhodium-zirconium catalysts for homogeneous olefin hydroformylation. <i>Journal of Molecular Catalysis A</i> , 1996, 110, 135-139.	4.8	34
36	Structural studies of PdCl <sub>2</sub> L <sub>2</sub> complexes with fluorinated phosphines, phosphites, and phosphinites as precursors of benzyl bromide carbonylation catalysts, and X-ray crystal structure of cis-PdCl <sub>2</sub> [PPh <sub>2</sub> (OEt)] <sub>2</sub> . <i>Canadian Journal of Chemistry</i> , 2001, 79, 752-759.	0.6	34

#	ARTICLE	IF	CITATIONS
37	Structure, dynamics and catalytic activity of palladium(II) complexes with imidazole ligands. <i>Inorganica Chimica Acta</i> , 2010, 363, 4346-4354.	1.2	34
38	Rh(O) Nanoparticles: Synthesis, Structure and Catalytic Application in Suzuki-Miyaura Reaction and Hydrogenation of Benzene. <i>Topics in Catalysis</i> , 2013, 56, 1239-1245.	1.3	34
39	Homogeneous rhodium complex-catalyzed hydroformylation and related reactions of functionally substituted olefins. <i>Journal of Molecular Catalysis</i> , 1987, 43, 15-20.	1.2	33
40	Hydroformylation and isomerization of hex-1-ene catalyzed by [Rh(acac)(CO)(PPh <sub>3</sub> )]: Effect of modifying ligands. <i>Journal of Molecular Catalysis</i> , 1992, 73, 1-8.	1.2	33
41	Homogeneous and alumina supported rhodium complex catalysed hydrogenation. <i>Journal of Molecular Catalysis</i> , 1994, 88, 13-21.	1.2	33
42	PdII square planar complexes of the type [IL] <sub>2</sub> [PdX <sub>4</sub> ] as catalyst precursors for the Suzuki-Miyaura cross-coupling reaction. The first in situ ESI-MS evidence of [(IL) <sub>x</sub> Pd <sub>3</sub> ] clusters formation. <i>Journal of Molecular Catalysis A</i> , 2009, 304, 8-15.	4.8	33
43	The Heck arylation of mono- and disubstituted olefins catalyzed by palladium supported on alumina-based oxides. <i>Applied Catalysis A: General</i> , 2011, 393, 195-205.	2.2	33
44	Suzuki-Miyaura and Hiyama coupling catalyzed by PEPPSI-type complexes with non-bulky NHC ligand. <i>Journal of Molecular Catalysis A</i> , 2016, 418-419, 9-18.	4.8	33
45	Influence of palladium colloid synthesis procedures on catalytic activity in methoxycarbonylation reaction. <i>Journal of Catalysis</i> , 2006, 239, 272-281.	3.1	32
46	Supported N-heterocyclic carbene rhodium complexes as highly selective hydroformylation catalysts. <i>Journal of Molecular Catalysis A</i> , 2009, 309, 131-136.	4.8	32
47	Rhodium-catalyzed hydroformylation under green conditions: Aqueous/organic biphasic, water, solventless and Rh nanoparticle based systems. <i>Coordination Chemistry Reviews</i> , 2021, 430, 213732.	9.5	32
48	Novel rhodium(I) complexes with (2-hydroxyphenyl)diphenylphosphine ligand: catalytic properties and X-ray structures of Rh(OC <sub>6</sub> H <sub>4</sub> PPh <sub>2</sub> )(CO)(PPh <sub>3</sub> ) and Rh(OC <sub>6</sub> H <sub>4</sub> PPh <sub>2</sub> ){P(OPh) <sub>3</sub> } <sub>2</sub> ·0.5C <sub>6</sub> H <sub>6</sub> . <i>Journal of Organometallic Chemistry</i> , 1999, 575, 87-97.	0.8	30
49	Palladium supported on triazolyl-functionalized polysiloxane as recyclable catalyst for Suzuki-Miyaura cross-coupling. <i>Applied Catalysis A: General</i> , 2014, 470, 24-30.	2.2	30
50	Homogeneous hydrogenation of aromatic hydrocarbons with Rh(acac)-(P(OPh) <sub>3</sub> ) <sub>2</sub> catalyst. <i>Journal of Molecular Catalysis</i> , 1983, 18, 193-195.	1.2	29
51	Kinetic and spectroscopic studies of the substitution reactions of [Rh(acac)(CO) <sub>2</sub> ] with triphenylphosphite. <i>Transition Metal Chemistry</i> , 1985, 10, 167-171.	0.7	29
52	Influence of the modification of the ligands on hex-1-ene hydroformylation catalyzed by [HRh{P(OPh) <sub>3</sub> } <sub>4</sub> ] and [HRh(CO){P(OPh) <sub>3</sub> } <sub>3</sub> ]. Catalytic activity of the system [HRh{P(OPh) <sub>3</sub> } <sub>4</sub> ]+Cp <sub>2</sub> Zr(CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> . <i>Journal of Organometallic Chemistry</i> , 1991, 420, 353-358.	0.8	29
53	Carbonylation of benzyl bromide to benzeneacetic acid and its esters catalysed by water-soluble palladium complexes. <i>Journal of Molecular Catalysis A</i> , 2000, 154, 93-101.	4.8	29
54	Rhodium(I) complexes with 1 <sup>-</sup> -(diphenylphosphino)ferrocenecarboxylic acid as active and recyclable catalysts for 1-hexene hydroformylation. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 3260-3267.	0.8	29

#	ARTICLE	IF	CITATIONS
55	Catalytic activity of a half-sandwich Ru(II)-N-heterocyclic carbene complex in the oligomerization of alkynes. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 3371-3376.	0.8	29
56	[IL] <sub>2</sub> [PdCl <sub>4</sub> ] complexes (IL=imidazolium cation) as efficient catalysts for Suzuki-Miyaura cross-coupling of aryl bromides and aryl chlorides. <i>Applied Catalysis A: General</i> , 2013, 466, 216-223.	2.2	29
57	Copper(II)-catalysed oxidative carbonylation of aminols and amines in water: A direct access to oxazolidinones, ureas and carbamates. <i>Journal of Molecular Catalysis A</i> , 2015, 407, 8-14.	4.8	27
58	Mechanistic studies on the rhodium complex catalyzed hydroformylation reaction of olefins. <i>Journal of Molecular Catalysis</i> , 1983, 19, 41-55.	1.2	26
59	Rhodium complex catalyzed hydroformylation reactions of linear and cyclic mono- and diolefins. <i>Journal of Organometallic Chemistry</i> , 1994, 479, 213-216.	0.8	26
60	Green Synthesis of Rhodium Nanoparticles that are Catalytically Active in Benzene Hydrogenation and 1-Hexene Hydroformylation. <i>ChemCatChem</i> , 2018, 10, 2051-2058.	1.8	26
61	New rhodium systems for biphasic hydrogenation and hydroformylation of 1-hexene. <i>Journal of Molecular Catalysis A</i> , 1998, 132, 203-212.	4.8	25
62	Rhodium phosphine complexes immobilized on silica as active catalysts for 1-hexene hydroformylation and arene hydrogenation. <i>Journal of Molecular Catalysis A</i> , 2004, 210, 179-187.	4.8	25
63	Catalytic Activity of Pd(II) Complexes with Triphenylphosphito Ligands in the Sonogashira Reaction in Ionic Liquid Media. <i>Catalysis Letters</i> , 2009, 133, 262-266.	1.4	25
64	Hydroformylation and isomerization reactions of hex-1-ene catalyzed by rhodium(I) complexes. <i>Journal of Molecular Catalysis</i> , 1988, 43, 335-341.	1.2	24
65	Hydrogenation and hydroformylation of C <sub>4</sub> unsaturated alcohols with an [Rh(acac)(CO) <sub>2</sub> ]/PNS catalyst in water solution (PNS Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> CONHC(CH <sub>3</sub> ) <sub>2</sub> CH <sub>2</sub> SO <sub>3</sub> Li). <i>Journal of Molecular Catalysis A</i> , 1999, 148, 59-68.	4.8	24
66	Complexes of Heteroscorpionate Trispyrazolylborate Ligands. Part 10. Structures and Fluxional Behavior of Rhodium(I) Complexes with Heteroscorpionate Trispyrazolylborate Ligands, Tpa <sup>-</sup> À <sup>-</sup> Rh(LL) (LL =) Tj ETQqO 0 0 0 BT /Over		
67	Polymerization of phenylacetylene catalysed by RhTp(cod) and RhBp(cod) in ionic liquids: effect of alcohols and of tetraammonium halides. <i>Applied Organometallic Chemistry</i> , 2004, 18, 124-129.	1.7	24
68	Palladium complexes with hydrophosphorane ligands (HP <sup>1/4</sup> O and HP <sup>1/4</sup> N), catalysts for Heck cross-coupling reactions. <i>Inorganica Chimica Acta</i> , 2011, 365, 204-210.	1.2	24
69	Recyclable Pd(0)-Pd(II) composites formed from Pd(II) dimers with NHC ligands under Suzuki-Miyaura conditions. <i>Journal of Organometallic Chemistry</i> , 2015, 785, 92-99.	0.8	24
70	Carbonylative Suzuki-Miyaura coupling catalyzed by palladium supported on aminopropyl polymethylsiloxane microspheres under atmospheric pressure of CO. <i>Journal of Molecular Catalysis A</i> , 2016, 417, 76-80.	4.8	24
71	Palladium(0) Deposited on PAMAM Dendrimers as a Catalyst for C-C Cross Coupling Reactions. <i>Molecules</i> , 2011, 16, 427-441.	1.7	23
72	1,5-Hexadiene selective hydroformylation reaction catalyzed with Rh(acac){P(OPh) <sub>3</sub> } <sub>2</sub> /P(OPh) <sub>3</sub> and Rh(acac)(CO)(PPh <sub>3</sub> ) / PPh <sub>3</sub> complexes. <i>Journal of Organometallic Chemistry</i> , 1994, 464, 107-111.	0.8	22

#	ARTICLE	IF	CITATIONS
73	Title is missing!. Catalysis Letters, 2001, 77, 245-249.	1.4	20
74	Structure and catalytic activity of rhodium(I) carbene complexes in polymerization of phenylacetylene. Inorganica Chimica Acta, 2006, 359, 2835-2841.	1.2	20
75	Palladium-catalyzed asymmetric Heck arylation of 2,3-dihydrofuran – effect of proline salts. Dalton Transactions, 2013, 42, 1215-1222.	1.6	20
76	Effect of free phosphine on the reactivity of phosphine-containing rhodium(I) complexes. Reaction Kinetics and Catalysis Letters, 1982, 20, 383-387.	0.6	19
77	Rhodium complexes HRh[P(NC4H4)3]4 and HRh(CO)[P(NC4H4)3]3 as active catalysts of olefins and arenes hydrogenation. Journal of Organometallic Chemistry, 1998, 552, 159-164.	0.8	19
78	Monomeric triphenylphosphite palladacycles with N-imidazole ligands as catalysts of Suzuki–Miyaura and Sonogashira reactions. Journal of Organometallic Chemistry, 2011, 696, 3601-3607.	0.8	19
79	Pd/DNA as a highly active and recyclable catalyst for aminocarbonylation and hydroxycarbonylation in water: The effect of Mo(CO)6 on the reaction course. Molecular Catalysis, 2019, 462, 28-36.	1.0	19
80	New synthesis of [RhH{P(OPh)3}4] and related reactions. Transition Metal Chemistry, 1987, 12, 408-409.	0.7	18
81	<sup>31</sup> P-NMR and X-ray studies of new rhodium(I) $\eta^2$ -ketoimino complexes Rh(R1C(O)CHC(NH)R2)(CO)(PZ3) where PZ3=PPh3, PCy3, P(OPh)3 or P(NC4H4)3. Journal of Organometallic Chemistry, 2001, 628, 195-210.	0.8	18
82	Rhodium-catalyzed hydroformylation with substituted phenylphosphite ligands. Journal of Molecular Catalysis, 1988, 48, 319-324.	1.2	17
83	Catalytic Activity of Rhodium Complexes Supported on Al2O3–ZrO2 in Isomerization and Hydroformylation of 1-Hexene. Catalysis Letters, 2004, 93, 85-92.	1.4	17
84	Suzuki–Miyaura and Hiyama reactions catalyzed by orthopalladated triarylphosphite complexes. Tetrahedron, 2010, 66, 9502-9507.	1.0	17
85	Selective Heck Arylation of Cyclohexene with Homogeneous and Heterogeneous Palladium Catalysts. Molecules, 2010, 15, 2166-2177.	1.7	17
86	Effect of chiral ionic liquids on palladium-catalyzed Heck arylation of 2,3-dihydrofuran. Applied Catalysis A: General, 2011, 409-410, 148-155.	2.2	17
87	Oxygen-promoted coupling of arylboronic acids with olefins catalyzed by [CA]2[PdX4] complexes without a base. Journal of Molecular Catalysis A, 2015, 408, 1-11.	4.8	17
88	Catalytic activity of palladium complexes, PdCl2(COD) and PdCl2(P(OPh)3)2, in methoxycarbonylation of iodobenzene. Inorganic Chemistry Communication, 2003, 6, 823-826.	1.8	16
89	The role of Pd colloids as catalysts in the phosphane-free methoxycarbonylation of iodobenzene. New Journal of Chemistry, 2004, 28, 859-863.	1.4	16
90	Palladium supported on aminopropyl-functionalized polymethylsiloxane microspheres: Simple and effective catalyst for the Suzuki–Miyaura C–C coupling. Journal of Molecular Catalysis A, 2015, 407, 230-235.	4.8	16

#	ARTICLE	IF	CITATIONS
91	Palladium nanoparticles generated in situ used as catalysts in carbonylative cross-coupling in aqueous medium. <i>RSC Advances</i> , 2016, 6, 36491-36499.	1.7	16
92	Pd/DNA as Highly Active and Recyclable Catalyst of Suzuki–Miyaura Coupling. <i>Catalysts</i> , 2018, 8, 552.	1.6	16
93	The new organometallic rhodium–iron homogeneous catalytic system for hydroformylation. <i>Topics in Catalysis</i> , 2000, 11/12, 461-468.	1.3	15
94	Carbonylative Suzuki Coupling Reaction Catalyzed by a Hydrospirophosphorane Palladium Complex. <i>ChemCatChem</i> , 2017, 9, 4397-4409.	1.8	15
95	Palladium Nanoparticles Supported on Graphene Oxide as Catalysts for the Synthesis of Diarylketones. <i>Catalysts</i> , 2019, 9, 319.	1.6	15
96	Rhodium hydride (HRh(CO)(PPh <sub>3</sub> ) <sub>3</sub> ) and rhodium carbonyl (Rh <sub>4</sub> (CO) <sub>8</sub> L <sub>4</sub> ) complexes obtained by reaction of Rh(acac)(CO)(L) type complexes with methanol and formaldehyde. <i>Journal of Organometallic Chemistry</i> , 1992, 429, 239-244.	0.8	14
97	Orthometallated palladium trimers in C–C coupling reactions. <i>Journal of Organometallic Chemistry</i> , 2012, 710, 44-52.	0.8	14
98	The aminocarbonylation of 1,2-diiodoarenes with primary and secondary amines catalyzed by palladium complexes with imidazole ligands. <i>Applied Catalysis A: General</i> , 2018, 560, 73-83.	2.2	14
99	Synthesis, Structural Characterization, and Hydroformylation Activity of Rhodium(I) Complexes with a Polar Phosphinoferrrocene Sulfonate Ligand. <i>Organometallics</i> , 2019, 38, 479-488.	1.1	14
100	N-Pyrrolylphosphines as ligands for highly regioselective rhodium-catalyzed 1-butene hydroformylation: effect of water on the reaction selectivity. <i>Catalysis Science and Technology</i> , 2017, 7, 3097-3103.	2.1	14
101	Reactions of the ortho-metallated rhodium(I) complex of the formula Rh[P(OC <sub>6</sub> H <sub>4</sub> )(OPh) <sub>2</sub> ][P(OPh) <sub>3</sub> ] <sub>3</sub> with HX molecules. <i>Transition Metal Chemistry</i> , 1985, 10, 385-386.	0.7	13
102	Palladium complexes with chiral imidazole ligands as potential catalysts for asymmetric CC coupling reactions. <i>Inorganica Chimica Acta</i> , 2017, 455, 595-599.	1.2	13
103	Rh/DNA Nanoparticles, Synthesis, Characterization and Catalytic Activity in $\alpha$ -On Water–Asymmetric Hydroformylation Reaction. <i>ChemistrySelect</i> , 2018, 3, 1727-1736.	0.7	13
104	Photoactive Liposomal Formulation of PVP-Conjugated Chlorin e6 for Photodynamic Reduction of Atherosclerotic Plaque. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3852.	1.8	13
105	Palladium Chemistry Related to Benzyl Bromide Carbonylation: Mechanistic Studies. <i>Monatshefte für Chemie</i> , 2000, 131, 1281-1291.	0.9	12
106	$\alpha$ -On water–hydroformylation of 1-hexene using Rh/PAA (PAA = polyacrylic acid) as catalyst. <i>RSC Advances</i> , 2014, 4, 30384-30391.	1.7	12
107	Incorporation of PdCl <sub>2</sub> Complexes in Ni–MOF for Catalyzing Heck Arylation of Functionalized Olefins. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4282-4288.	1.0	12
108	Preparation and structure of di-( $\frac{1}{4}$ -salicylato-O,O $\alpha^2$ )-bis(1,5-cyclooctadiene)dirhodium(I). <i>Polyhedron</i> , 1994, 13, 655-658.	1.0	11



#	ARTICLE	IF	CITATIONS
109	Impact of dioxygen and carboxylic acids on the transformation of rhodium(I) to rhodium(III) complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 105-109.	1.1	11
110	Hydroformylation of olefins catalysed with bimetallic systems: $\text{HRh}\{\text{P}(\text{OPh})_3\}_4 + \text{cp}2\text{ZrH}(\text{CH}_2\text{PPh}_2)$ and $\text{HRh}(\text{CO})\{\text{P}(\text{OPh})_3\}_3 + \text{cp}2\text{ZrH}(\text{CH}_2\text{PPh}_2)$ . <i>Journal of Organometallic Chemistry</i> , 1996, 525, 145-149.	0.8	11
111	New insight into role of ortho-metallation in rhodium triphenylphosphite complexes. Hydrogen mobility in hydrogenation and isomerization of unsaturated substrates. <i>Journal of Organometallic Chemistry</i> , 2000, 597, 69-76.	0.8	11
112	An efficient synthesis of functional stilbenes in Hiyama coupling reaction catalysed by H-spirophosphorane palladium complex. <i>Journal of Molecular Catalysis A</i> , 2011, 351, 128-135.	4.8	11
113	Advantages of the solventless hydroformylation of olefins. <i>Journal of Molecular Catalysis A</i> , 2015, 408, 147-151.	4.8	11
114	Rhodium Pyrrolylphosphine Complexes as Highly Active and Selective Catalysts for Propene Hydroformylation: The Effect of Water and Aldehyde on the Reaction Regioselectivity. <i>ChemCatChem</i> , 2018, 10, 305-310.	1.8	11
115	Heck Transformations of Biological Compounds Catalyzed by Phosphine-Free Palladium. <i>Molecules</i> , 2018, 23, 2227.	1.7	11
116	Synthesis and Catalytic Evaluation of Phosphanylferrocene Ligands with Cationic Guanidinium Pendants and Varied Phosphane Substituents. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4846-4854.	1.0	11
117	$^31\text{P}$ -NMR studies on the interaction between $\text{Rh}(\text{AA})(\text{CO})(\text{PPh}_3)$ complexes and free $\text{PPh}_3$ . <i>Reaction Kinetics and Catalysis Letters</i> , 1984, 26, 21-24.	0.6	10
118	Synthesis and reactivity of rhodium(I) complexes of the type $\text{Rh}(\text{L-L})(\text{CO})[\text{P}(\text{OPh})_3]$ and $\text{Rh}(\text{L-L})[\text{P}(\text{OPh})_3]_2$ . <i>Transition Metal Chemistry</i> , 1991, 16, 212-214.	0.7	10
119	Rhodium complexes with dioximes as catalysts of hydroformylation and hydrogenation of 1-hexene. <i>Journal of Molecular Catalysis A</i> , 1998, 130, 241-248.	4.8	10
120	PEPPSI-type complexes with small NHC ligands obtained according to the new method efficiently catalyzed Suzuki-Miyaura reaction. <i>Journal of Organometallic Chemistry</i> , 2018, 867, 323-332.	0.8	10
121	Catalytic polymerization of phenylacetylene with dimeric $[\text{Rh}(\text{OMe})(\text{cod})]_2$ complex in ionic liquids. <i>Applied Organometallic Chemistry</i> , 2006, 20, 766-770.	1.7	9
122	Palladium Catalyzed Heck Arylation of 2,3-Dihydrofuran Effect of the Palladium Precursor. <i>Molecules</i> , 2014, 19, 8402-8413.	1.7	9
123	In situ generated Pd(0) nanoparticles stabilized by bis(aryl)acenaphthenequinone diimines as catalysts for aminocarbonylation reactions in water. <i>Journal of Molecular Catalysis A</i> , 2016, 425, 322-331.	4.8	9
124	Comparison of aqueous and solventless procedures in the rhodium-catalyzed hydroformylation of diolefins, alkynes, and unsaturated alcohols. <i>Journal of Molecular Catalysis A</i> , 2016, 423, 41-48.	4.8	9
125	Heck arylation of allyl alcohol catalyzed by Pd(0) nanoparticles. <i>Tetrahedron</i> , 2017, 73, 5605-5612.	1.0	9
126	Two efficient pathways for the synthesis of aryl ketones catalyzed by phosphorus-free palladium catalysts. <i>Molecular Catalysis</i> , 2018, 445, 61-72.	1.0	9



#	ARTICLE	IF	CITATIONS
127	Design of Shape-Selective Palladium Nanoparticles Anchored on Titanium(IV) Metal-Organic Framework: Highly Active Catalysts for Reduction of p-Nitrophenol in Water. <i>ChemistrySelect</i> , 2018, 3, 7934-7939.	0.7	9
128	Structure of di- $\mu$ -4-N-Phenylanthranilate-di-1, 5-cyclooctadiene dirhodium(I). <i>Polyhedron</i> , 1985, 4, 1677-1681.	1.0	8
129	Efficient functionalization of olefins by arylsilanes catalyzed by palladium anionic complexes. <i>Journal of Molecular Catalysis A</i> , 2017, 426, 458-464.	4.8	8
130	Pd-Nanocomposites Formed by Calcination of [Pd(2-pymo)] <sub>n</sub> Framework as Catalysts of Phenylacetylene Semihydrogenation in Water. <i>ChemCatChem</i> , 2021, 13, 2145-2151.	1.8	8
131	The oxidative addition of methyl iodide to acetylacetonatocarbonyltriphenylphosphiterhodium(I) complex. <i>Inorganica Chimica Acta</i> , 1986, 115, L43-L44.	1.2	7
132	The synthesis, structure and reactivity of new tetra- and pentacoordinated rhodium(I) complexes. <i>Transition Metal Chemistry</i> , 1989, 14, 135-138.	0.7	7
133	Cationic rhodium(I) complexes formed in the reactions of HRh(CO)L <sub>3</sub> (L=PPh <sub>3</sub> , P(OPh) <sub>3</sub> ) complexes with silver(I) salts. <i>Inorganica Chimica Acta</i> , 2003, 350, 339-346.	1.2	7
134	AFM and TEM image of phenylacetylene polymerization on Rh/PVP colloidal nanoparticles. <i>New Journal of Chemistry</i> , 2008, 32, 1509.	1.4	7
135	Effect of solvent in the hydrogenation of acetophenone catalyzed by Pd/S-DVB. <i>New Journal of Chemistry</i> , 2021, 45, 5023-5028.	1.4	7
136	Immobilization of Rh precursor in a porphyrin metal-organic framework turning on the catalytic activity. <i>Dalton Transactions</i> , 2021, 50, 9051-9058.	1.6	7
137	New Palladium-ZrO <sub>2</sub> Nano-Architectures from Thermal Transformation of UiO-66-NH <sub>2</sub> for Carbonylative Suzuki and Hydrogenation Reactions. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	7
138	Synthesis and properties of the orthometallated rhodium complex Rh{P(OPh) <sub>3</sub> } <sub>3</sub> {P(OC <sub>6</sub> H <sub>4</sub> )(OPh) <sub>2</sub> }. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1989, 577, 255-262.	0.6	6
139	Spent automotive three-way catalysts towards CC bond forming reactions. <i>Applied Catalysis A: General</i> , 2012, 421-422, 148-153.	2.2	6
140	Hydroformylation. , 2013, , 25-46.		6
141	The effect of Al <sub>2</sub> O <sub>3</sub> and ionic liquids in palladium catalyzed arylation of cyclohexene. Interaction of Hg(0) with immobilized palladium. <i>Journal of Molecular Catalysis A</i> , 2016, 411, 188-195.	4.8	6
142	Hydroformylation of unsaturated esters and 2,3-dihydrofuran under solventless conditions at room temperature catalysed by rhodium N-pyrrolyl phosphine catalysts. <i>New Journal of Chemistry</i> , 2019, 43, 16990-16999.	1.4	6
143	$\mu$ -3-Oxotriruthenium hexacarbonylate as a catalyst for cumene hydroperoxide decomposition. <i>Journal of Molecular Catalysis</i> , 1980, 10, 69-74.	1.2	5
144	A macrocyclic Pd(II)-Ni(II) complex in Heck and Suzuki reactions. <i>Inorganica Chimica Acta</i> , 2015, 431, 145-149.	1.2	5

#	ARTICLE	IF	CITATIONS
145	Cumene hydroperoxide decomposition reaction catalyzed by ruthenium(III) $\eta^2$ -diketonates. <i>Reaction Kinetics and Catalysis Letters</i> , 1981, 17, 121-125.	0.6	4
146	Substitution of CO by picolines and amines in $\text{RhCl}(\text{CO})(\text{PR}_3)_2$ . Synthesis and crystal structure of $\text{cis-RhCl}(3\text{-pic})\{\text{P}(\text{OPh})_3\}_2$ . <i>Journal of Organometallic Chemistry</i> , 1991, 419, 391-398.	0.8	4
147	Effect of ligand donor-acceptor properties on selectivity of catalytic olefin isomerization reaction. <i>Journal of Molecular Catalysis A</i> , 1995, 99, 23-28.	4.8	4
148	A chloro-bridged dinuclear phosphinitopalladium complex, $\text{di-}\frac{1}{4}\text{-chloro-bis}[(\text{diphenoxyphosphinite-}\eta^2\text{P})(\text{diphenoxyphosphinito-}\eta^2\text{P})\text{palladium(II)}]$ . <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006, 62, m491-m494.	0.4	4
149	The synthesis of $\eta^2$ -enaminones using trialkylamines and a Pd/DNA catalyst. <i>Molecular Catalysis</i> , 2021, 502, 111365.	1.0	4
150	Highly selective hydrogenation of aromatic ketones to alcohols in water: effect of PdO and $\text{ZrO}_2$ . <i>Dalton Transactions</i> , 2021, 50, 10386-10393.	1.6	4
151	N.M.R. studies of cumene hydroperoxide interaction with $\text{H}_2[\text{Mo}_2\text{O}_4(\text{C}_2\text{O}_4)_2(\text{H}_2\text{O})_2] \cdot 4\text{H}_2\text{O} \cdot (\text{CH}_3)_2\text{CO}$ . <i>Journal of Molecular Catalysis</i> , 1981, 12, 321-327.	1.2	3
152	Synthesis and structure of a new rhodium(I) complex $[\text{Rh}\{\text{P}(\text{OPh})_3\}_3\text{CN}]$ . <i>Transition Metal Chemistry</i> , 1986, 11, 458-459.	0.7	3
153	Application of NMR in studies of elementary interactions in the catalytic oxidation reactions of hydrocarbons. <i>Journal of Molecular Catalysis</i> , 1987, 39, 85-92.	1.2	3
154	Efficient hydroarylation of terminal alkynes with sodium tetraphenylborate performed in water under mild conditions. <i>Applied Catalysis A: General</i> , 2020, 589, 117243.	2.2	3
155	4,4,5,5-Tetramethyl-1,3,2 $\lambda^5$ -dioxaphospholan-2-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o2159-o2159.	0.2	3
156	NMR chemical shift method in magnetic susceptibility measurements applied to studies of the reaction of cobalt complexes with cumene hydroperoxide. <i>Magnetic Resonance in Chemistry</i> , 1982, 19, 39-42.	0.7	2
157	Ionic Liquids in Transition Metal-Catalyzed Oligomerization/Polymerization. <i>Topics in Organometallic Chemistry</i> , 2013, , 307-322.	0.7	2
158	The influence of rotational motion of Fe and Fe/Cu nanowires on their activity when applied as co-catalysts in aerobic oxidation of acrolein catalyzed by N-hydroxyphthalimide. <i>Applied Catalysis A: General</i> , 2015, 506, 8-13.	2.2	2
159	Ligand-free palladium-catalyzed tandem pathways for the synthesis of 4,4-diarylbutanones and 4,4-diarylbutenones under microwave conditions. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4870.	1.7	2
160	Solvent switchable Pd/DNA catalyst in carbonylative Sonogashira coupling. <i>Molecular Catalysis</i> , 2020, 494, 111124.	1.0	2
161	Hydrogen production and transfer hydrogenation of phenylacetylene with ammonia borane in water catalyzed by the $[\text{Pd}(2\text{-pymo})_2]_n$ framework. <i>Inorganica Chimica Acta</i> , 2022, 538, 120977.	1.2	2
162	Structure of (cyano-C)tris (triphenylphosphite)rhodium(I). <i>Polyhedron</i> , 1989, 8, 2415-2418.	1.0	1

#	ARTICLE	IF	CITATIONS
163	Bis(1-butyl-4-methylpyridinium) tetrachloropalladate(II). Acta Crystallographica Section E: Structure Reports Online, 2006, 62, m1100-m1102.	0.2	1
164	<i>trans</i> -Dichloridobis(3,5-dimethylpyridine- $\hat{N}$ )(ethanolato- $\hat{O}$ )oxidorhenium(V). Acta Crystallographica Section E: Structure Reports Online, 2011, 67, m1154-m1155.	0.2	1
165	Celebrating the 150th Anniversary of the Periodic Table of Chemical Elements: 5th EuChemS Inorganic Chemistry Conference. European Journal of Inorganic Chemistry, 2019, 2019, 4166-4169.	1.0	1
166	Phenylacetylene semihydrogenation over a palladium pyrazolate hydrogen-bonded network. Inorganica Chimica Acta, 2021, 518, 120255.	1.2	1
167	Effect of imidazolium salts bearing hydroxy substituents on palladium-catalysed Suzuki-Miyaura and Heck coupling reactions. French-Ukrainian Journal of Chemistry, 2016, 4, 76-84.	0.1	1
168	One-pot Sonogashira-Hydroarylation reaction catalyzed by anionic palladium complexes in an aqueous medium. Journal of Organometallic Chemistry, 2022, 962, 122269.	0.8	1
169	NiOBDP and Ni/NiOBDP catalyzed transfer hydrogenation of acetophenone and 4-nitrophenol. Polyhedron, 2022, 224, 116029.	1.0	1
170	Hydroformylation of vinylsilanes with Rh(acac)(CO) <sub>2</sub> /tris(N-pyrrolyl)phosphine catalytic system. Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry, 1999, 2, 235-239.	0.1	0
171	<i>cis</i> -Dichloridobis[tris(2-methylphenoxy)phosphane- $\hat{P}$ ]palladium(II). Acta Crystallographica Section E: Structure Reports Online, 2012, 68, m270-m271.	0.2	0
172	Chlorido(1,2-dimethyl-1H-imidazole- $\hat{N}$ ) <sub>2</sub> [(diphenoxyphosphanyl)oxy]phenyl- $\hat{C}$ 1,P}palladium(II). Acta Crystallographica Section E: Structure Reports Online, 2012, 68, m227-m228.	0.2	0
173	The Heck synthesis of $\hat{C}$ -arylated ketones catalyzed by palladium immobilized on functional polysiloxane microspheres. Applied Organometallic Chemistry, 2020, 34, e5969.	1.7	0
174	Palladium Chemistry Related to Benzyl Bromide Carbonylation: Mechanistic Studies. , 2001, , 57-67.		0