

Pd Metal Catalysts for Cross-Couplings and Related Reactions Critical Review

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Applications of SBA-15 supported Pd metal catalysts as nanoreactors in C–C coupling reactions. <i>RSC Advances</i> , 2018, 8, 41048-41100.	1.7	41
2	Palladium-scavenging self-assembled hybrid hydrogels as reusable highly-active green catalysts for Suzuki–Miyaura cross-coupling reactions. <i>Chemical Science</i> , 2018, 9, 8673-8681.	3.7	57
3	Pd/Gorlos-Phos-catalyzed cross-coupling between two different aryl chlorides in the presence of B ₂ Pin ₂ and cytotoxicity studies of the products. <i>Organic Chemistry Frontiers</i> , 2018, 5, 3319-3323.	2.3	5
4	Mechanisms of Bisphosphine Iron-Catalyzed C(SP ²)-C(SP ³) Cross-Coupling Reactions: Inner-Sphere or Outer-Sphere Arylation?. <i>Comments on Inorganic Chemistry</i> , 2018, 38, 210-237.	3.0	8
5	Synthesis of Pyridazine Derivatives by Suzuki–Miyaura Cross-Coupling Reaction and Evaluation of Their Optical and Electronic Properties through Experimental and Theoretical Studies. <i>Molecules</i> , 2018, 23, 3014.	1.7	7
6	Pd/DNA as Highly Active and Recyclable Catalyst of Suzuki–Miyaura Coupling. <i>Catalysts</i> , 2018, 8, 552.	1.6	16
7	Directed ortho Metalation (DoM)-Linked Corriu–Kumada, Negishi, and Suzuki–Miyaura Cross-Coupling Protocols: A Comparative Study. <i>Synthesis</i> , 2018, 50, 4395-4412.	1.2	7
8	Facile synthesis of palladium nanoparticles on hierarchical hollow silica spheres and its catalytic properties in Suzuki-reaction. <i>Royal Society Open Science</i> , 2018, 5, 180545.	1.1	11
9	Benzyl Stable Sulfoxide-Based Boronates: Preparation and Application in a Tandem Suzuki Reaction. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 4604-4614.	2.1	8
10	Planar Chiral Ferrocene-Based N-Heterocyclic Carbene Ligands. <i>Chemistry - A European Journal</i> , 2018, 24, 18575-18586.	1.7	46
11	Formation of hierarchically-ordered nanoporous silver foam and its electrocatalytic properties in reductive dehalogenation of organic compounds. <i>New Journal of Chemistry</i> , 2018, 42, 17499-17512.	1.4	6
12	A new efficient, highly dispersed, Pd nanoparticulate silica supported catalyst synthesized from an organometallic precursor. Study of the homogeneous vs. heterogeneous activity in the Suzuki–Miyaura reaction. <i>Journal of Catalysis</i> , 2018, 367, 283-295.	3.1	29
13	Decarboxylative Negishi Coupling of Redox-Active Aliphatic Esters by Cobalt Catalysis. <i>Angewandte Chemie</i> , 2018, 130, 13280-13284.	1.6	21
14	Decarboxylative Negishi Coupling of Redox-Active Aliphatic Esters by Cobalt Catalysis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13096-13100.	7.2	78
15	Palladium-catalyzed cascade carboesterification of norbornene with alkynes. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8495-8504.	1.5	5
16	Direct Synthesis of Chalcones from Anilides with Phenyl Vinyl Ketones by Oxidative Coupling Through C–H Bond Activation. <i>ACS Omega</i> , 2018, 3, 5375-5381.	1.6	4
17	Organometallic Gold(III) Reagents for Cysteine Arylation. <i>Journal of the American Chemical Society</i> , 2018, 140, 7065-7069.	6.6	148
18	Electrophilic Cyclization Involving Carbon–Selenium/Carbon–Halide Bond Formation: Synthesis of 3-Substituted Selenophenes. <i>Journal of Organic Chemistry</i> , 2018, 83, 6706-6718.	1.7	30

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19	A polystyrene supported [PdCl ₂ (SeCSe)] complex: a novel, reusable and robust heterogeneous catalyst for the Sonogashira synthesis of 1,2-disubstituted alkynes and 1,3-enynes. <i>New Journal of Chemistry</i> , 2018, 42, 11471-11479.	1.4	21
20	Metal-Catalyzed C-H Functionalization Processes with Click-Triazole Assistance. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 6034-6049.	1.2	21
21	Functional Group Transposition: A Palladium-Catalyzed Metathesis of Ar-X Bonds and Acid Chloride Synthesis. <i>Journal of the American Chemical Society</i> , 2018, 140, 10140-10144.	6.6	81
22	Synthesis of a palladium acetylide-based tubular microporous polymer monolith via a self-template approach: a potential precursor of supported palladium nanoparticles for heterogeneous catalysis. <i>RSC Advances</i> , 2018, 8, 25277-25282.	1.7	16
23	Direct Transformation of Arylamines to Aryl Halides via Sodium Nitrite and Halosuccinimide. <i>Chemistry - A European Journal</i> , 2018, 24, 14622-14626.	1.7	33
24	Palladium nanodendrites uniformly deposited on the surface of polymers as an efficient and recyclable catalyst for direct drug modification via Z-selective semihydrogenation of alkynes. <i>Green Chemistry</i> , 2018, 20, 3875-3883.	4.6	9
25	Heterogeneous Catalytic Composites from Palladium Nanoparticles in Montmorillonite Intercalated with Poly (Vinyl Pyrrolidone) Chains. <i>Polymers</i> , 2018, 10, 669.	2.0	10
26	Highly Recoverable Pd(II) Catalysts for the Mizoroki-Heck Reaction Based on N-Heterocyclic Carbenes and Poly(benzyl ether) Dendrons. <i>Organometallics</i> , 2018, 37, 3598-3610.	1.1	15
27	Comprehensive Study of the Reactions Between Chelating Phosphines and Ni(cod) ₂ . <i>Organometallics</i> , 2018, 37, 3259-3268.	1.1	31
28	Synthesis, characterization and catalytic performance of palladium supported on pyridine-based covalent organic polymer for Suzuki-Miyaura reaction. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5172.	1.7	23
29	A new, substituted palladacycle for ppm level Pd-catalyzed Suzuki-Miyaura cross couplings in water. <i>Chemical Science</i> , 2019, 10, 8825-8831.	3.7	56
30	Designer 3D CoAl-layered double hydroxide@N, S doped graphene hollow architecture decorated with Pd nanoparticles for Sonogashira couplings. <i>Applied Surface Science</i> , 2019, 496, 143599.	3.1	22
31	Regioselective Single-Electron Tsuji-Trost Reaction of Allylic Alcohols: A Photoredox/Nickel Dual Catalytic Approach. <i>Organic Letters</i> , 2019, 21, 6543-6547.	2.4	31
32	The Destiny of Palladium: Development of Efficient Palladium Analysis Techniques in Enhancing Palladium Recovery. <i>Organic Process Research and Development</i> , 2019, 23, 2175-2180.	1.3	13
33	Metal Organic Frameworks as Robust Host of Palladium Nanoparticles in Heterogeneous Catalysis: Synthesis, Application, and Prospect. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 32579-32598.	4.0	120
34	C-N Cross-Couplings for Site-Selective Late-Stage Diversification via Aryl Sulfonium Salts. <i>Journal of the American Chemical Society</i> , 2019, 141, 13346-13351.	6.6	152
35	Development of Metal Nanoparticle Catalysis toward Drug Discovery. <i>Chemical and Pharmaceutical Bulletin</i> , 2019, 67, 733-771.	0.6	10
36	Catalytic Transfer Hydrodebenzylation with Low Palladium Loading. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4781-4789.	2.1	21

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37	Functionalization of silica gel by ultrasound-assisted surface Suzuki coupling. <i>Tetrahedron Letters</i> , 2019, 60, 150937.	0.7	2
38	Porous organic polymer with in situ generated palladium nanoparticles as a phase-transfer catalyst for Sonogashira cross-coupling reaction in water. <i>RSC Advances</i> , 2019, 9, 21671-21678.	1.7	17
39	Ligand-free Suzuki-Miyaura coupling reaction of an aryl chloride using a continuous irradiation type microwave and a palladium nanoparticle catalyst: effect of a co-existing solid. <i>Green Chemistry</i> , 2019, 21, 4541-4549.	4.6	12
40	Benzophenone assisted UV-activated synthesis of unique Pd-nanodendrite embedded reduced graphene oxide nanocomposite: a catalyst for C-C coupling reaction and fuel cell. <i>RSC Advances</i> , 2019, 9, 21329-21343.	1.7	10
41	Synthesis and structural characterization of 20-membered macrocyclic rings bearing trans-chelating bis(N-heterocyclic carbene) ligands and the catalytic activity of their palladium(ii) complexes. <i>Dalton Transactions</i> , 2019, 48, 12577-12590.	1.6	10
42	The Effect of Degradation of Soda Lignin Using Pd/SO ₄ ²⁻ /ZrO ₂ as a Catalyst: Improved Reactivity and Antioxidant Activity. <i>Polymers</i> , 2019, 11, 1218.	2.0	6
43	Synthesis, structural properties and reactivity of ruthenocene-based pincer Pd(ii) tetrahydroborate. <i>Dalton Transactions</i> , 2019, 48, 12720-12729.	1.6	8
44	Carbopalladation/Suzuki Coupling Cascade for the Generation of Quaternary Centers: Access to Pyrrolo[1,2- <i>b</i>]isoquinolines. <i>Journal of Organic Chemistry</i> , 2019, 84, 10183-10196.	1.7	7
45	Palladium nanoparticles supported on graphene acid: a stable and eco-friendly bifunctional C-C homo- and cross-coupling catalyst. <i>Green Chemistry</i> , 2019, 21, 5238-5247.	4.6	33
46	An Efficient Approach to Regio- and Stereodefined Fully-Substituted Alkenylsilanes by Pd-Catalyzed Allenic C(sp ³)-H Oxidation. <i>Chemistry - A European Journal</i> , 2019, 25, 11566-11573.	1.7	3
47	Recent developments in palladium (nano)catalysts supported on polymers for selective and sustainable oxidation processes. <i>Coordination Chemistry Reviews</i> , 2019, 397, 54-75.	9.5	103
48	Mesoporous Hierarchically Hollow Flower-Like CoAl-LDH@N,S-doped Graphene@Pd Nanoarchitectures for Heck Couplings. <i>Catalysis Letters</i> , 2019, 149, 2984-2993.	1.4	15
49	Nickel-metalated porous organic polymer for Suzuki-Miyaura cross-coupling reaction. <i>RSC Advances</i> , 2019, 9, 20266-20272.	1.7	12
50	Palladium nanoparticles supported on silica, alumina or titania: greener alternatives for Suzuki-Miyaura and other C-C coupling reactions. <i>Environmental Chemistry Letters</i> , 2019, 17, 1585-1602.	8.3	49
51	A domino reaction for generating β^2 -aryl aldehydes from alkynes by substrate recognition catalysis. <i>Nature Communications</i> , 2019, 10, 4868.	5.8	7
52	Multifunctional Tubular Organic Cage-Supported Ultrafine Palladium Nanoparticles for Sequential Catalysis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18011-18016.	7.2	103
53	Metal-Free Aryl Cross-Coupling Directed by Traceless Linkers. <i>Chemistry - A European Journal</i> , 2019, 25, 16068-16073.	1.7	11
54	Multifunctional Tubular Organic Cage-Supported Ultrafine Palladium Nanoparticles for Sequential Catalysis. <i>Angewandte Chemie</i> , 2019, 131, 18179-18184.	1.6	30

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55	Analysis of Differential Selectivity Using Phase Trajectories of Catalytic Reactions: New Aspects and Applications. <i>Kinetics and Catalysis</i> , 2019, 60, 551-572.	0.3	18
56	Regioselective Oxybromination of Benzene and Its Derivatives by Bromide Anion with a Mononuclear Nonheme Mn(IV)â€“Oxo Complex. <i>Inorganic Chemistry</i> , 2019, 58, 14299-14303.	1.9	8
57	Potential Safety Hazards Associated with Pd-Catalyzed Cross-Coupling Reactions. <i>Organic Process Research and Development</i> , 2019, 23, 2608-2626.	1.3	24
58	Recent Advances and Prospects of Organic Reactions â€œOn Waterâ€“. <i>ChemistrySelect</i> , 2019, 4, 12337-12355.	0.7	25
59	Sustainable Ligandâ€Free, Palladiumâ€Catalyzed Suzukiâ€Miyaura Reactions in Water: Insights into the Role of Base. <i>ChemSusChem</i> , 2019, 12, 5265-5273.	3.6	18
60	Palladiumâ€Catalyzed Domino Heck/Phosphorylation towards 3,3â€Disubstituted Phosphinonyloxindoles. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4961-4965.	2.1	10
61	Ironâ€Catalyzed Crossâ€Coupling of Alkynyl and Styrenyl Chlorides with Alkyl Grignard Reagents in Batch and Flow. <i>Chemistry - A European Journal</i> , 2019, 25, 14532-14535.	1.7	21
62	1-Butyl-3-methyl-2-(diphenylphosphino)imidazolium hexafluorophosphate as an efficient ligand for recoverable palladium-catalyzed Suzuki-Miyaura reaction in neat water. <i>Journal of Organometallic Chemistry</i> , 2019, 901, 120941.	0.8	12
63	Palladium Mesoionic Carbene Pre-catalyst for General Cross-Coupling Transformations in Deep Eutectic Solvents. <i>Frontiers in Chemistry</i> , 2019, 7, 700.	1.8	21
64	Nickel-catalyzed reductive defunctionalization of esters in the absence of an external reductant: activation of Câ€O bonds. <i>Chemical Communications</i> , 2019, 55, 13610-13613.	2.2	16
65	Uniform, Scalable, High-Temperature Microwave Shock for Nanoparticle Synthesis through Defect Engineering. <i>Matter</i> , 2019, 1, 759-769.	5.0	58
66	Pd/PTABS: An Efficient Catalytic System for the Aminocarbonylation of a Sugar-Protected Nucleoside. <i>Synthesis</i> , 2019, 51, 4239-4248.	1.2	15
67	Palladium(η^5) ligated with a selenated (Se, C _{NHC} , N ⁺) ⁻ -type pincer ligand: an efficient catalyst for Mizorokiâ€Heck and Suzukiâ€Miyaura coupling in water. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 8969-8976.	1.5	42
68	Pd Nanoparticles Capped with [CpPd(II)Cl] ₂ Complexes for Hydrogenation and Acid-Free Acetalization of 1,2-Unsaturated Aldehydes. <i>ACS Applied Nano Materials</i> , 2019, 2, 5634-5642.	2.4	3
69	Perfluorinated phosphine and hybrid Pâ€O ligands for Pd catalysed Câ€C bond forming reactions in solution and on Teflon supports. <i>RSC Advances</i> , 2019, 9, 28936-28945.	1.7	4
70	Designing a Mesoporous Zeolite Catalyst for Products Optimizing in n-Decane Hydrocracking. <i>Catalysts</i> , 2019, 9, 766.	1.6	7
71	Synthesis, Photophysical Properties, and Metal-Ion Recognition Studies of Fluoroionophores Based on 1-(2-Pyridyl)-4-Styrylpyrazoles. <i>ACS Omega</i> , 2019, 4, 16689-16700.	1.6	20
72	Synthesis of PdCu nanowire assembly and their catalytic activity toward ethanol oxidation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 583, 123909.	2.3	8

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73	Cu(O)/Selectfluor system-catalyzed intramolecular Csp ² -H/Csp ² -H cross-dehydrogenative coupling (CDC). <i>Tetrahedron</i> , 2019, 75, 130533.	1.0	16
74	One-Pot Aqueous and Template-Free Synthesis of Mesoporous Polymeric Resins. <i>Catalysts</i> , 2019, 9, 782.	1.6	1
75	Metal-catalyzed cross-coupling chemistry with polyhedral boranes. <i>Chemical Communications</i> , 2019, 55, 430-442.	2.2	99
76	Pd-Co nanoalloys nested on CuO nanosheets for efficient electrocatalytic N ₂ reduction and room-temperature Suzuki-Miyaura coupling reaction. <i>Nanoscale</i> , 2019, 11, 1379-1385.	2.8	40
77	Catalytic farming: reaction rotation extends catalyst performance. <i>Chemical Science</i> , 2019, 10, 1419-1425.	3.7	18
78	Biocatalytic Friedel-Crafts Alkylation Using a Promiscuous Biosynthetic Enzyme. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3151-3155.	7.2	37
79	Biocatalytic Friedel-Crafts Alkylation Using a Promiscuous Biosynthetic Enzyme. <i>Angewandte Chemie</i> , 2019, 131, 3183-3187.	1.6	25
80	The role of palladium nanoparticles in catalytic C-C cross-coupling reactions. <i>Coordination Chemistry Reviews</i> , 2019, 384, 1-20.	9.5	142
81	Salen-porphyrin-based conjugated microporous polymer supported Pd nanoparticles: highly efficient heterogeneous catalysts for aqueous C-C coupling reactions. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2660-2666.	5.2	97
82	Pd-Au-Y as Efficient Catalyst for C-C Coupling Reactions, Benzylic C-H Bond Activation, and Oxidation of Ethanol for Synthesis of Cinnamaldehydes. <i>ACS Catalysis</i> , 2019, 9, 5860-5875.	5.5	35
83	Synthesis, Structure, and Catalytic Reactivity of Pd(II) Complexes of Proline and Proline Homologs. <i>Catalysts</i> , 2019, 9, 515.	1.6	7
84	Controlled assembly of Ag nanoparticles on the surface of phosphate pillar [6]arene functionalized single-walled carbon nanotube for enhanced catalysis and sensing performance. <i>Electrochimica Acta</i> , 2019, 318, 711-719.	2.6	23
85	Control loading Au nanoparticles on the surface of hydroxyl pillar[5]arene functionalized single-walled carbon nanotubes and its application in catalysis and sensing. <i>Sustainable Energy and Fuels</i> , 2019, 3, 2312-2320.	2.5	10
86	A Kinetic Study of the Step of Aryl Halide Activation in a Direct Arylation Reaction of Indole under Real Catalysis Conditions. <i>Kinetics and Catalysis</i> , 2019, 60, 337-342.	0.3	2
87	High Glass-Transition Temperature Polymer Networks Harnessing the Dynamic Ring Opening of Pinacol Boronates. <i>Angewandte Chemie</i> , 2019, 131, 12344-12350.	1.6	1
88	Copper-catalyzed Mizoroki-Heck coupling reaction using an efficient and magnetically reusable Fe ₃ O ₄ @SiO ₂ @PrNCu catalyst. <i>Journal of Organometallic Chemistry</i> , 2019, 897, 236-246.	0.8	18
89	Engineering of highly active Au/Pd supported on hydrogenated urchin-like yolk@shell TiO ₂ for visible light photocatalytic Suzuki coupling. <i>Catalysis Science and Technology</i> , 2019, 9, 3820-3827.	2.1	45
90	High Glass-Transition Temperature Polymer Networks Harnessing the Dynamic Ring Opening of Pinacol Boronates. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12216-12222.	7.2	24

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91	A Comparative Study of Dibenzylideneacetone Palladium Complexes in Catalysis. <i>Organic Process Research and Development</i> , 2019, 23, 1462-1470.	1.3	24
92	20S Proteasome Inhibitory Activity of [<i>N</i> -(9-Anthracenylmethyl)-1,3-propanediamine] (2,2'-Bipyridine) Palladium(II) Chloride. <i>Chemistry Letters</i> , 2019, 48, 936-938.	0.7	0
93	Cross-Coupling of Heteroatomic Electrophiles. <i>Chemical Reviews</i> , 2019, 119, 8192-8228.	23.0	151
94	Pd nanoparticle and molecular Pd ²⁺ leaching pathways for a strongly acid versus strongly basic resin supported Pd nanoparticle catalyst in Suzuki coupling. <i>Chemical Engineering Journal</i> , 2019, 374, 576-588.	6.6	41
95	Pyridylphenylene dendrons immobilized on the surface of chemically modified magnetic silica as efficient stabilizing molecules of Pd species. <i>Applied Surface Science</i> , 2019, 488, 865-873.	3.1	17
96	<i>N</i> -Heterocarbene Palladium Complexes with Dianisole Backbones: Synthesis, Structure, and Catalysis. <i>Organometallics</i> , 2019, 38, 2539-2552.	1.1	25
97	Impact of Oxidation State on Reactivity and Selectivity Differences between Nickel(III) and Nickel(IV) Alkyl Complexes. <i>Angewandte Chemie</i> , 2019, 131, 9202-9206.	1.6	4
98	A Bipyridine-Palladium Derivative as General Pre-Catalyst for Cross-Coupling Reactions in Deep Eutectic Solvents. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 3868-3879.	2.1	44
99	Fluorination of organoboron compounds. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 5651-5660.	1.5	19
100	Pd(OAc) ₂ -catalyzed orthogonal synthesis of 2-hydroxybenzoates and substituted cyclohexanones from acyclic unsaturated 1,3-carbonyl compounds. <i>Tetrahedron Letters</i> , 2019, 60, 1653-1657.	0.7	6
101	The role of phosphine ligands in the catalytic systems of the Heck reaction with aromatic carboxylic anhydrides. <i>Russian Chemical Bulletin</i> , 2019, 68, 817-824.	0.4	4
102	Palladium on magnetic Irish moss: A new nano-biocatalyst for suzuki type cross-coupling reactions. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4859.	1.7	12
103	Design and Optimization of Catalysts Based on Mechanistic Insights Derived from Quantum Chemical Reaction Modeling. <i>Chemical Reviews</i> , 2019, 119, 6509-6560.	23.0	130
104	Importance of monodentate mono-ligand designs in developing N-stabilized Pd catalysts for efficient ambient temperature C-C coupling: Donor strengths and steric features. <i>Molecular Catalysis</i> , 2019, 473, 110398.	1.0	3
105	Palladium(II) Complexes with <i>N</i> -Phosphine Oxide-Substituted Imidazolylidenes (Poxlms): Coordination Chemistry and Catalysis. <i>Organometallics</i> , 2019, 38, 2298-2306.	1.1	10
106	Transition metal-catalyzed cross-coupling methodologies for the engineering of small molecules with applications in organic electronics and photovoltaics. <i>Coordination Chemistry Reviews</i> , 2019, 392, 177-236.	9.5	35
107	Distinguishing between Homogeneous and Heterogeneous Catalytic Activity in C-H Arylation of an Indole with Aryl Halides under Ligandless-Conditions: Crucial Evidence from Real Catalytic Experiments. <i>Organic Process Research and Development</i> , 2019, 23, 1052-1059.	1.3	4
108	4-Amino-3-pentadecyl-3 <i>H</i> -1,2,4-triazole-3-thiones and 3-pentadecyl-1,3,4-oxadiazole-2(3 <i>H</i>)-thione for the preparation of dimeric palladium(II) complexes and their applications in Tsuji-Trost and Mizoroki-Heck reactions. <i>Synthetic Communications</i> , 2019, 49, 1301-1307.	1.1	10

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109	Time-Dependent Surface Oxidation of Pd Nanocubes and its Role in Controlling Catalytic Performance. <i>ChemNanoMat</i> , 2019, 5, 878-882.	1.5	2
110	Impact of Oxidation State on Reactivity and Selectivity Differences between Nickel(III) and Nickel(IV) Alkyl Complexes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9104-9108.	7.2	22
111	Cross-Coupling Reaction of Alkenyl Sulfoximines and Alkenyl Aminosulfoxonium Salts with Organozincs by Dual Nickel Catalysis and Lewis Acid Promotion. <i>Chemistry - A European Journal</i> , 2019, 25, 8371-8386.	1.7	5
112	Aromatic Halogenation Using <i>N</i> -Halosuccinimide and PhSSiMe ₃ or PhSSPh. <i>Journal of Organic Chemistry</i> , 2019, 84, 7405-7410.	1.7	24
113	Modeling Key Pathways Proposed for the Formation and Evolution of "Cocktail"-Type Systems in Pd-Catalyzed Reactions Involving ArX Reagents. <i>ACS Catalysis</i> , 2019, 9, 3991-4005.	5.5	63
114	Iodide-Mediated or Iodide-Catalyzed Demethylation and Friedel-Crafts H Borylative Cyclization Leading to Thiophene-Fused 1,2-Oxaborine Derivatives. <i>Organic Letters</i> , 2019, 21, 2171-2175.	2.4	14
115	Pd and Pt Catalyst Poisoning in the Study of Reaction Mechanisms: What Does the Mercury Test Mean for Catalysis?. <i>ACS Catalysis</i> , 2019, 9, 2984-2995.	5.5	85
116	Surface coordination chemistry on graphene and two-dimensional carbon materials for well-defined single atom supported catalysts. <i>Advances in Organometallic Chemistry</i> , 2019, 71, 53-174.	0.5	33
117	Readily Available Immobilized Pd Catalysts for Suzuki-Miyaura Coupling under Continuous-Flow Conditions. <i>ChemCatChem</i> , 2019, 11, 2427-2431.	1.8	19
118	Palladium Catalyst with Task-Specific Ionic Liquid Ligands: Intracellular Reactions and Mitochondrial Imaging with Benzothiadiazole Derivatives. <i>Journal of Organic Chemistry</i> , 2019, 84, 5118-5128.	1.7	20
119	Dihalogen-bridged NHC-palladium dimers: synthesis, characterisation and applications in cross-coupling reactions. <i>Chemical Communications</i> , 2019, 55, 5275-5278.	2.2	17
120	A review on catalytic pyrolysis of microalgae to high-quality bio-oil with low oxygenous and nitrogenous compounds. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 108, 481-497.	8.2	127
121	Copper-Catalyzed Trifluoromethylation of Alkyl Bromides. <i>Journal of the American Chemical Society</i> , 2019, 141, 6853-6858.	6.6	114
122	Concepts of Catalysis in Site-Selective Protein Modifications. <i>Journal of the American Chemical Society</i> , 2019, 141, 8005-8013.	6.6	73
123	Hoveyda-Grubbs catalysts with an N ⁺ Ru coordinate bond in a six-membered ring. Synthesis of stable, industrially scalable, highly efficient ruthenium metathesis catalysts and 2-vinylbenzylamine ligands as their precursors. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 769-779.	1.3	16
124	Identification of an Oxalamide Ligand for Copper-Catalyzed C ¹ O Couplings from a Pharmaceutical Compound Library. <i>ChemCatChem</i> , 2019, 11, 5748-5753.	1.8	21
125	Different properties of P,C-donor Pd(II) and Pt(II); spectroscopic and X-ray analysis, catalytic potential and anti-proliferative potency. <i>Journal of Organometallic Chemistry</i> , 2019, 890, 21-31.	0.8	9
126	Fluorescent and colorimetric immunoassay of nuclear matrix protein 22 enhanced by porous Pd nanoparticles. <i>Chinese Chemical Letters</i> , 2019, 30, 1307-1309.	4.8	7

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127	Differential Dihydrofunctionalization of Terminal Alkynes: Synthesis of Benzylic Alkyl Boronates through Reductive Three-Component Coupling. <i>Journal of the American Chemical Society</i> , 2019, 141, 6173-6179.	6.6	39
128	Cobalt-Catalyzed Cross-Couplings and Electrophilic Aminations using Organozinc Pivalates. <i>ChemCatChem</i> , 2019, 11, 5188-5197.	1.8	26
129	Using a palladium as collagen peptide-metal complex: a highly efficient heterogeneous biocatalyst for Suzuki cross-coupling reaction in water. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 1473-1481.	1.2	12
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