

Irina Beletskaya

List of Publications by Year in descending order

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863
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20759

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1022
all docs

1022
docs citations

1022
times ranked

17093
citing authors

#	ARTICLE	IF	CITATIONS
1	The Heck Reaction as a Sharpening Stone of Palladium Catalysis. <i>Chemical Reviews</i> , 2000, 100, 3009-3066.	23.0	3,641
2	Transition-Metal-Catalyzed Addition of Heteroatom-Hydrogen Bonds to Alkynes. <i>Chemical Reviews</i> , 2004, 104, 3079-3160.	23.0	1,513
3	Copper in cross-coupling reactions. <i>Coordination Chemistry Reviews</i> , 2004, 248, 2337-2364.	9.5	1,435
4	Transition-Metal-Catalyzed C-S, C-Se, and C-Te Bond Formation via Cross-Coupling and Atom-Economic Addition Reactions. <i>Chemical Reviews</i> , 2011, 111, 1596-1636.	23.0	1,433
5	Metal-Mediated Reductive Hydrodehalogenation of Organic Halides. <i>Chemical Reviews</i> , 2002, 102, 4009-4092.	23.0	807
6	Supramolecular Chemistry of Metalloporphyrins. <i>Chemical Reviews</i> , 2009, 109, 1659-1713.	23.0	642
7	Hydroborations catalysed by transition metal complexes. <i>Tetrahedron</i> , 1997, 53, 4957-5026.	1.0	591
8	Non-conventional methodologies for transition-metal catalysed carbon-carbon coupling: a critical overview. Part 2: The Suzuki reaction. <i>Tetrahedron</i> , 2008, 64, 3047-3101.	1.0	523
9	Element-Element Additions to Unsaturated Carbon-Carbon Bonds Catalyzed by Transition Metal Complexes. <i>Chemical Reviews</i> , 2006, 106, 2320-2354.	23.0	508
10	Palladacycles in catalysis - a critical survey. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 4055-4082.	0.8	474
11	Non-conventional methodologies for transition-metal catalysed carbon-carbon coupling: a critical overview. Part 1: The Heck reaction. <i>Tetrahedron</i> , 2005, 61, 11771-11835.	1.0	427
12	Element-Element Addition to Alkynes Catalyzed by the Group 10 Metals. <i>Chemical Reviews</i> , 1999, 99, 3435-3462.	23.0	389
13	The Complementary Competitors: Palladium and Copper in C-N Cross-Coupling Reactions. <i>Organometallics</i> , 2012, 31, 7753-7808.	1.1	388
14	Stereodivergent Catalysis. <i>Chemical Reviews</i> , 2018, 118, 5080-5200.	23.0	350
15	The Suzuki-Miyaura reaction after the Nobel prize. <i>Coordination Chemistry Reviews</i> , 2019, 385, 137-173.	9.5	279
16	Toward the Ideal Catalyst: From Atomic Centers to a "Cocktail" of Catalysts. <i>Organometallics</i> , 2012, 31, 1595-1604.	1.1	247
17	Unusual Influence of the Structures of Transition Metal Complexes on Catalytic C-S and C-Se Bond Formation Under Homogeneous and Heterogeneous Conditions. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 3431-3444.	1.2	192
18	Metal-catalyzed regiodivergent organic reactions. <i>Chemical Society Reviews</i> , 2019, 48, 4515-4618.	18.7	190

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19	Some aspects of anionic σ -complexes. <i>Chemical Reviews</i> , 1982, 82, 427-459.	23.0	188
20	Homogeneous Nickel Catalysts for the Selective Transfer of a Single Arylthio Group in the Catalytic Hydrothiolation of Alkynes. <i>Organometallics</i> , 2006, 25, 4462-4470.	1.1	157
21	Organoelement chemistry: promising growth areas and challenges. <i>Russian Chemical Reviews</i> , 2018, 87, 393-507.	2.5	157
22	Novel Versatile Synthesis of Substituted Tetrabenzoporphyrins. <i>Journal of Organic Chemistry</i> , 2004, 69, 522-535.	1.7	152
23	Catalytic Hydrophosphination of Styrenes. <i>Organic Letters</i> , 2002, 4, 761-763.	2.4	138
24	Bimetallic lanthanide complexes with lanthanide-transition metal bonds. Molecular structure of $(C_4H_8O)(C_5H_5)_2LuRu(CO)_2(C_5H_5)$. The use of ^{139}La NMR spectroscopy. <i>Journal of the American Chemical Society</i> , 1993, 115, 3156-3166.	6.6	133
25	New Approach for Size- and Shape-Controlled Preparation of Pd Nanoparticles with Organic Ligands. Synthesis and Application in Catalysis. <i>Journal of the American Chemical Society</i> , 2007, 129, 7252-7253.	6.6	129
26	Palladium-Catalyzed Stereocontrolled Vinylation of Azoles and Phenothiazine. <i>Organic Letters</i> , 2002, 4, 623-626.	2.4	128
27	NC-palladacycles as highly effective cheap precursors for the phosphine-free Heck reactions. <i>Journal of Organometallic Chemistry</i> , 2001, 622, 89-96.	0.8	127
28	Catalytic Methods for Building up Phosphorus-Carbon Bond. <i>Russian Journal of Organic Chemistry</i> , 2002, 38, 1391-1430.	0.3	127
29	The nickel-catalyzed Sonogashira-Hagihara reaction. <i>Tetrahedron Letters</i> , 2003, 44, 5011-5013.	0.7	111
30	Catalytic Sandmeyer cyanation as a synthetic pathway to aryl nitriles. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 3810-3812.	0.8	110
31	Organocatalysis of asymmetric aldol reaction. Catalysts and reagents. <i>Russian Chemical Reviews</i> , 2009, 78, 737-784.	2.5	109
32	Efficient and Convenient Synthesis of β -Vinyl Sulfides in Nickel-Catalyzed Regioselective Addition of Thiols to Terminal Alkynes under Solvent-Free Conditions. <i>Organometallics</i> , 2006, 25, 1970-1977.	1.1	108
33	Chemodivergent reactions. <i>Chemical Society Reviews</i> , 2020, 49, 7101-7166.	18.7	101
34	Mechanistic Investigation and New Catalyst Design in Palladium- and Platinum-Catalyzed Se \sim Se Bond Addition to Alkynes. <i>Organometallics</i> , 2003, 22, 1414-1421.	1.1	97
35	Catalytic Adaptive Recognition of Thiol (SH) and Selenol (SeH) Groups Toward Synthesis of Functionalized Vinyl Monomers. <i>Journal of the American Chemical Society</i> , 2012, 134, 6637-6649.	6.6	97
36	Palladium-catalyzed cross-coupling reaction of organostannoates with aryl halides in aqueous medium. <i>Tetrahedron Letters</i> , 1995, 36, 125-128.	0.7	96

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37	PEG as an alternative reaction medium in metal-mediated transformations. <i>Coordination Chemistry Reviews</i> , 2012, 256, 2893-2920.	9.5	95
38	Synthesis of Mono-, Di-, and Trisilyl-Substituted Alkenes via the Hydrosilylation of Methylenecyclopropanes Catalyzed by Rh(I) Complexes. <i>Journal of Organic Chemistry</i> , 1997, 62, 6069-6076.	1.7	87
39	Reactivity of Lanthanide and Yttrium Hydrides and Hydrocarbyls toward Organosilicon Hydrides and Related Compounds. <i>Organometallics</i> , 1997, 16, 4041-4055.	1.1	87
40	Palladium-catalyzed reaction of aryl halides with ureas. <i>Tetrahedron Letters</i> , 2001, 42, 4381-4384.	0.7	87
41	New Catalytic System for S ⁺ S and Se ⁺ Se Bond Addition to Alkynes Based on Phosphite Ligands. <i>Organometallics</i> , 2005, 24, 1275-1283.	1.1	86
42	Diaminoanthraquinone-Linked Polyazamacrocycles: Efficient and Simple Colorimetric Sensor for Lead Ion in Aqueous Solution. <i>Organic Letters</i> , 2009, 11, 987-990.	2.4	86
43	Asymmetric Catalysis Special Feature Part I: Asymmetric hydrogenation of \hat{A},\hat{A} -unsaturated phosphonates with Rh-BisP* and Rh-MiniPHOS catalysts: Scope and mechanism of the reaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 5385-5390.	3.3	83
44	New approaches to the synthesis of unsymmetrical diaryl selenides. <i>Journal of Organometallic Chemistry</i> , 2000, 605, 96-101.	0.8	82
45	Palladium Colloid Stabilized by Block Copolymer Micelles as an Efficient Catalyst for Reactions of C ⁺ C and C ⁺ Heteroatom Bond Formation. <i>Organometallics</i> , 2006, 25, 154-158.	1.1	80
46	A practical synthetic approach to chiral $\hat{\pm}$ -aryl substituted ethylphosphonates. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 319-327.	1.8	79
47	Addition reactions of E-E and E-H bonds to triple bond of alkynes catalyzed by Pd, Pt, and Ni complexes (E=S, Se). <i>Pure and Applied Chemistry</i> , 2007, 79, 1041-1056.	0.9	76
48	Remarkable Ligand Effect in Ni ⁺ and Pd ⁺ -Catalyzed Bisthiolation and Bisselenation of Terminal Alkynes: Solving the Problem of Stereoselective Dialkyl-dichalcogenide Addition to the C ⁺ 1/2C Bond. <i>Chemistry - A European Journal</i> , 2008, 14, 2420-2434.	1.7	76
49	Catalytic coupling of terminal acetylenes with iodoarenes and diaryliodonium salts in water. <i>Tetrahedron Letters</i> , 1996, 37, 897-900.	0.7	75
50	Mechanistic study of palladium catalyzed S ⁺ S and Se ⁺ Se bonds addition to alkynes. <i>Journal of Organometallic Chemistry</i> , 2003, 687, 451-461.	0.8	73
51	Variation of xanthene-based bidentate ligands in the palladium-catalyzed arylation of ureas. <i>Tetrahedron Letters</i> , 2003, 44, 4719-4723.	0.7	72
52	Efficient and Recyclable Catalyst of Palladium Nanoparticles Stabilized by Polymer Micelles Soluble in Water for Suzuki-Miyaura Reaction, Ostwald Ripening Process with Palladium Nanoparticles. <i>Synlett</i> , 2008, 2008, 1547-1552.	1.0	72
53	Catalysis as an important tool of green chemistry. <i>Russian Chemical Reviews</i> , 2010, 79, 441-461.	2.5	72
54	Acid-Free Nickel Catalyst for Stereo- and Regioselective Hydrophosphorylation of Alkynes: Synthetic Procedure and Combined Experimental and Theoretical Mechanistic Study. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 2979-2992.	2.1	71

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55	Two Distinct Mechanisms of Alkyne Insertion into the Metal–Sulfur Bond: Combined Experimental and Theoretical Study and Application in Catalysis. <i>Chemistry - A European Journal</i> , 2010, 16, 2063-2071.	1.7	69
56	Solvent-free synthesis of cyclic carbonates from CO ₂ and epoxides catalyzed by reusable alumina-supported zinc dichloride. <i>Applied Catalysis B: Environmental</i> , 2019, 254, 380-390.	10.8	69
57	Modern Trends of Organic Chemistry in Russian Universities. <i>Russian Journal of Organic Chemistry</i> , 2018, 54, 157-371.	0.3	68
58	New Approach to Vinylphosphines Based on Pd- and Ni-Catalyzed Diphenylphosphine Addition to Alkynes. <i>Synlett</i> , 2001, 2001, 0497-0500.	1.0	66
59	Palladium-catalyzed addition of disulfides and diselenides to alkynes under solvent free conditions. Electronic supplementary information (ESI) available: full experimental details of synthetic procedure, compound separation and purification, details of spectroscopic studies, kinetic measurements and compound characterization. See http://www.rsc.org/suppdata/ob/b3/b312471a/ . <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 284.	1.5	66
60	Highly Efficient Nickel-Based Heterogeneous Catalytic System with Nanosized Structural Organization for Selective Se–H Bond Addition to Terminal and Internal Alkynes. <i>Organometallics</i> , 2007, 26, 740-750.	1.1	65
61	Chiral Ionic Liquids Bearing Silylated Diphenyl- or Prolinol Units: Recoverable Organocatalysts for Asymmetric Michael Addition of Nitroalkanes to α,β -Enals. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 2927-2933.	1.2	64
62	Colchicine Alkaloids and Synthetic Analogues: Current Progress and Perspectives. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 10618-10651.	2.9	64
63	Celebrating 20 Years of SYNLETT - Special Essay: General Procedure for the Palladium-Catalyzed Selective Hydrophosphorylation of Alkynes. <i>Synlett</i> , 2009, 2009, 2375-2381.	1.0	63
64	Palladium and platinum catalyzed hydroselenation of alkynes: Se–H vs Se–Se addition to C–C bond. <i>Journal of Organometallic Chemistry</i> , 2003, 679, 162-172.	0.8	62
65	Formation of C–C, C–S and C–N bonds catalysed by supported copper nanoparticles. <i>Catalysis Science and Technology</i> , 2017, 7, 4401-4412.	2.1	61
66	Palladium-catalyzed synthesis of aryl-substituted polyamine compounds from aryl halides. <i>Tetrahedron Letters</i> , 1997, 38, 2287-2290.	0.7	59
67	New Approach to Phosphinoalkynes Based on Pd- and Ni-Catalyzed Cross-Coupling of Terminal Alkynes with Chlorophosphanes. <i>Organic Letters</i> , 2003, 5, 4309-4311.	2.4	59
68	Asymmetric Hydrogenation of α,β -Keto Phosphonates with Chiral Palladium Catalysts. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 510-515.	1.2	59
69	Highly enantioselective hydrogenation of α,β -unsaturated phosphonates with iridium–phosphinoxazoline complex: synthesis of a phosphorus analogue of naproxen. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 1397-1401.	1.8	58
70	Catalyst-Free Microwave-Assisted Synthesis of α -Aminophosphonates in a Three-Component System: R ¹ C(O)R ² -(EtO) ₂ P(O)H-RNH ₂ . <i>Synlett</i> , 2005, 2005, 1393-1396.	1.0	58
71	The Palladium Slow-Release Pre-Catalysts and Nanoparticles in the α -Phosphine-Free Mizoroki–Heck and Suzuki–Miyaura Reactions. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 417-429.	2.1	57
72	An expedient synthesis of substituted tetraaryltetrabenzoporphyrins. <i>Chemical Communications</i> , 2001, 2001, 261-262.	2.2	56

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73	Palladium-catalyzed arylation of sulfonyl CH-acids. <i>Tetrahedron Letters</i> , 2002, 43, 2539-2542.	0.7	56
74	Copper(I)-catalyzed arylselenylation of aryl bromides and iodides. <i>Tetrahedron Letters</i> , 2003, 44, 7039-7041.	0.7	56
75	Regioselective arylation of N-tributylstannylated 5-substituted tetrazoles by diaryliodonium salts in the presence of Cu(OAc) ₂ . <i>Tetrahedron Letters</i> , 2002, 43, 6217-6219.	0.7	55
76	Stereodefined Synthesis of a New Type of 1,3-Dienes by Ligand-Controlled Carbon-Carbon and Carbon-Heteroatom Bond Formation in Nickel-Catalyzed Reaction of Diaryldichalcogenides with Alkynes. <i>Organometallics</i> , 2008, 27, 4056-4061.	1.1	55
77	Recyclable Nanostructured Catalytic Systems in Modern Environmentally Friendly Organic Synthesis. <i>Molecules</i> , 2010, 15, 4792-4814.	1.7	55
78	Palladium-Catalyzed Amination of 2-Iodo-para-carborane. <i>Organometallics</i> , 2007, 26, 2340-2347.	1.1	54
79	Organocatalytic Michael and Friedel-Crafts reactions in enantioselective synthesis of biologically active compounds. <i>Russian Chemical Reviews</i> , 2011, 80, 1067-1113.	2.5	54
80	Synthesis and biological evaluation of polymethoxylated 4-heteroaryl coumarins as tubulin assembly inhibitor. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 8806-8812.	1.4	53
81	Nickel- and palladium-catalyzed cross-coupling as a route to 1- and 2-alkoxy- or dialkylaminovinylphosphonates. <i>Tetrahedron Letters</i> , 1999, 40, 569-572.	0.7	52
82	Palladium Complexes with Metallocene-Bridged Bidentate Diphosphine Ligands: Synthesis, Structure, and Catalytic Activity in Amination and Cross-Coupling Reactions. <i>Organometallics</i> , 2006, 25, 2750-2760.	1.1	52
83	Gold as a catalyst. Part I. Nucleophilic addition to the triple bond. <i>Russian Chemical Reviews</i> , 2017, 86, 689-749.	2.5	52
84	A Convenient Synthesis of Substituted Propargyl Alcohols and Terminal Acetylenes. <i>Synthesis</i> , 1984, 1984, 728-729.	1.2	51
85	Pd- and Cu-catalyzed selective arylation of benzotriazole. <i>Tetrahedron Letters</i> , 1998, 39, 5617-5620.	0.7	51
86	1-Octene Hydrosilylation Catalyzed by Lanthanide and Yttrium Hydrides and Hydrocarbyls: A Mechanistic Study and the Role of Catalyst Association. <i>Organometallics</i> , 2001, 20, 2794-2801.	1.1	51
87	Coumarinyl(thienyl)thiazoles: Novel Photochromes with Modulated Fluorescence. <i>Organic Letters</i> , 2008, 10, 1319-1322.	2.4	51
88	Palladium- and copper-catalyzed selective arylation of 5-aryltetrazoles by diaryliodonium salts. <i>Tetrahedron Letters</i> , 2002, 43, 6221-6223.	0.7	50
89	Ni(acac) ₂ /Phosphine as an Excellent Precursor of Nickel(0) for Catalytic Systems. <i>Organometallics</i> , 2010, 29, 5098-5102.	1.1	50
90	Unprecedented Control of Selectivity in Nickel-Catalyzed Hydrophosphorylation of Alkynes: Efficient Route to Mono- and Bisphosphonates. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 771-780.	2.1	50

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91	The First Example of Polymer-Supported Palladium Catalyst for Stereo-Selective S-S Bond Addition to Terminal Alkynes. <i>Synlett</i> , 2005, 2005, 1015-1017.	1.0	49
92	A Facile and Reliable Method for the Synthesis of Tetrabenzoporphyrin from 4,7-Dihydroisindole. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 3468-3475.	1.2	49
93	Organic chemistry. History and mutual relations of universities of Russia. <i>Russian Journal of Organic Chemistry</i> , 2017, 53, 1275-1437.	0.3	48
94	Alkyne Insertion into the $M\text{-}\eta^5\text{-C}_5\text{H}_5$ and $M\text{-}\eta^5\text{-C}_5\text{H}_4$ Bonds (M=Pd, Ni, Pt, and Rh): A Theoretical Mechanistic Study of the $C\text{-}\eta^5\text{-C}_5\text{H}_5$ and $C\text{-}\eta^5\text{-C}_5\text{H}_4$ Bond Formation Steps. <i>Chemistry - an Asian Journal</i> , 2011, 6, 1423-1430.	1.7	47
95	Copper (II)-catalyzed regio- and stereoselective addition of $H/P(O)R_2$ to alkynes. <i>Tetrahedron</i> , 2014, 70, 2556-2562.	1.0	47
96	Catalytic Amidation of 9-Iodo- <i>m</i> -carborane and 2-Iodo- <i>p</i> -carborane at a Boron Atom. <i>Organometallics</i> , 2008, 27, 5937-5942.	1.1	46
97	Pd- and Cu-catalyzed selective arylation of benzotriazole by diaryliodonium salts in water. <i>Tetrahedron Letters</i> , 1998, 39, 5621-5622.	0.7	43
98	Optical methods for the detection of heavy metal ions. <i>Russian Chemical Reviews</i> , 2014, 83, 196-224.	2.5	43
99	Acetylene-bridged $P,C,P\text{-}\eta^2$ -ligands and corresponding cyclopalladated compounds. <i>Tetrahedron Letters</i> , 2000, 41, 1075-1079.	0.7	42
100	New B-substituted derivatives of <i>m</i> -carborane, <i>p</i> -carborane, and cobalt bis(1,2-dicarbollide) anion. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 2920-2929.	0.8	41
101	Synthesis and Biological Evaluation of Furanoalcolchicinoids. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 692-704.	2.9	41
102	Palladium supported on poly(N-vinylimidazole) or poly(N-vinylimidazole-co-N-vinylcaprolactam) as a new recyclable catalyst for the Mizoroki-Heck reaction. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 4402-4406.	0.8	40
103	Palladium-catalyzed amination of aryl dibromides with secondary amines: synthetic and mechanistic aspects. <i>Tetrahedron Letters</i> , 1999, 40, 6393-6397.	0.7	39
104	Preparation of metal η^6 -arene complexes and their application in catalysis: heterogeneous and homogeneous pathways. <i>Dalton Transactions</i> , 2011, 40, 4011.	1.6	39
105	Nucleophilic substitution at the halogen atom (halogenophilic reactions). <i>Russian Chemical Reviews</i> , 2012, 81, 317-335.	2.5	39
106	Cluster Grignard Reagents. <i>Organometallics</i> , 2001, 20, 2449-2450.	1.1	38
107	Palladium catalyzed carbonylation of iodoarenes in aqueous solubilized systems. <i>Journal of Organometallic Chemistry</i> , 1995, 486, 297-300.	0.8	37
108	Palladium catalyzed C-C and C-heteroatom bond formation reactions. <i>Pure and Applied Chemistry</i> , 1997, 69, 471-476.	0.9	37

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109	Synthesis and properties of functionalised dendrimers. <i>Russian Chemical Reviews</i> , 2000, 69, 639-660.	2.5	37
110	Catalytic (Ni, Pd, Pt, Rh and Au) and Non-Catalytic Reactions for Atom- Economic Carbon-Sulfur, Carbon-Selenium and Carbon-Tellurium Bonds Formation. <i>Current Organic Synthesis</i> , 2011, 8, 2-52.	0.7	37
111	Synthesis of diaryls from phenylboric acid and aryl iodides in an aqueous medium. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1989, 38, 2206-2206.	0.0	35
112	Bis(ferrocenyl)mercury as a source of ferrocenyl moiety in Pd-catalyzed reactions of carbon-carbon bond formation. <i>Journal of Organometallic Chemistry</i> , 2001, 637-639, 653-663.	0.8	35
113	Palladium-catalyzed activation of E-E and C-E bonds in diaryl dichalcogenides (E = S, Se) under microwave irradiation conditions. <i>Russian Chemical Bulletin</i> , 2005, 54, 576-587.	0.4	35
114	Oxidation of Alkyl Derivatives of Aromatic Hydrocarbons by Transition Metal Salts. <i>Russian Chemical Reviews</i> , 1981, 50, 534-552.	2.5	34
115	Synthesis of a New Family of Adamantylpyridin-2-amines by Palladium-Catalyzed α -Amination. <i>Synthesis</i> , 2007, 2007, 2215-2221.	1.2	34
116	Catalyst Leaching as an Efficient Tool for Constructing New Catalytic Reactions: Application to the Synthesis of Cyclic Vinyl Sulfides and Vinyl Selenides. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 1149-1161.	1.0	34
117	Palladium-Catalyzed Asymmetric Hydrogenation of <i>N</i> -Hydroxy- α -amino Phosphonates Using Brønsted Acid as Activator: The First Catalytic Enantioselective Approach to Chiral <i>N</i> -Hydroxy- α -amino Phosphonates. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2727-2733.	2.1	34
118	Gold as a catalyst. Part II. Alkynes in the reactions of carbon-carbon bond formation. <i>Russian Chemical Reviews</i> , 2018, 87, 984-1047.	2.5	34
119	Palladium-catalyzed cross-coupling reactions of arylboronic acids and 2- <i>p</i> -carborane. <i>Journal of Organometallic Chemistry</i> , 2002, 657, 267-272.	0.8	33
120	Palladium nanoparticles stabilized by a copolymer of <i>N</i> -vinylimidazole with <i>N</i> -vinylcaprolactam as efficient recyclable catalyst of aromatic cyanation. <i>Russian Journal of Organic Chemistry</i> , 2010, 46, 157-161.	0.3	33
121	Copper(0) Nanoparticles Supported on Al ₂ O ₃ as Catalyst for Carboxylation of Terminal Alkynes. <i>Catalysis Letters</i> , 2017, 147, 2570-2580.	1.4	33
122	Catalytic Hydrofunctionalization of Alkynes through π - σ Bond Addition: The Unique Role of Orientation and Properties of the Phosphorus Group in the Insertion Step. <i>Chemistry - A European Journal</i> , 2011, 17, 12623-12630.	1.7	32
123	Synthesis and X-ray crystal structures of rac- and meso-2,2-propylidene-bis(1-indenyl) zirconium dichlorides. <i>Journal of Organometallic Chemistry</i> , 1997, 530, 75-82.	0.8	31
124	Catalytic Sandmeyer Bromination. <i>Synthesis</i> , 2007, 2007, 2534-2538.	1.2	31
125	Hydrophosphorylation of Terminal Alkynes Catalyzed by Palladium. <i>Russian Journal of Organic Chemistry</i> , 2003, 39, 797-807.	0.3	30
126	Transition-metal-catalyzed reactions of carbon-heteroatom bond formation by substitution and addition processes. <i>Pure and Applied Chemistry</i> , 2005, 77, 2021-2027.	0.9	30

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127	Synthesis of Nitrogen- and Oxygen-Containing Macrocyclesâ”Derivatives of Lithocholic Acid. Chemistry - A European Journal, 2005, 11, 7030-7039.	1.7	30
128	Conjugated GO metallo-dendrimers, functionalized with tridentate â”pincerâ”-type ligands. Tetrahedron Letters, 2000, 41, 1081-1085.	0.7	29
129	Synthesis of Cluster Alkyl and Aryl Grignard Reagents in Solution. Organometallics, 2004, 23, 1349-1351.	1.1	29
130	Palladium-catalyzed P-arylation of hydrophosphoryl derivatives of protected monosaccharides. Russian Journal of Organic Chemistry, 2006, 42, 1780-1785.	0.3	29
131	Catalytic thiocyanation of aryldiazonium salts in the presence of copper salts. Mendeleev Communications, 2006, 16, 250-251.	0.6	29
132	Cascade Synthesis of Polyoxygenated 6H,11H-[2]Benzopyrano-[4,3-c][1]benzopyran-11-ones. Journal of Organic Chemistry, 2007, 72, 3293-3301.	1.7	29
133	Catalytic methods of creation and functionalization of the coumarin skeleton. Chemistry of Heterocyclic Compounds, 2012, 48, 166-178.	0.6	29
134	The successive substitution of halogens in 4-chloro-6-iodoquinoline by aryl groups in cross-coupling reactions with arylboronic acids. Tetrahedron Letters, 2002, 43, 7267-7270.	0.7	28
135	Synthesis of 4-Heteroaryl-Substituted Coumarins by Suzuki Cross-Coupling Reactions. Synlett, 2004, 2004, 2797-2799.	1.0	28
136	Microwave-assisted Synthesis of Diaryl Selenides. Elucidation of Cu(I)-catalyzed Reaction Mechanism. Chemistry Letters, 2010, 39, 720-722.	0.7	28
137	Rational design of aminoanthraquinones for colorimetric detection of heavy metal ions in aqueous solution. Dalton Transactions, 2011, 40, 10491.	1.6	28
138	Palladium-Catalyzed Synthesis of Mono- and Diphosphorylated 1,10-Phenanthrolines. Synthesis, 2012, 44, 3805-3810.	1.2	28
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