

Irina P Smoliakova

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Triacylglyceride Thermal Cracking: Pathways to Cyclic Hydrocarbons. <i>Energy & Fuels</i> , 2012, 26, 672-685.	5.1	72
2	Endo-Effect-Driven Regioselectivity in the Cyclopalladation of (S)-2-tert-Butyl-4-phenyl-2-oxazoline. <i>Organometallics</i> , 2007, 26, 1801-1810.	2.3	45
3	Direct ortho-palladation of 2-phenyl-2-oxazoline. <i>Journal of Organometallic Chemistry</i> , 2000, 603, 86-97.	1.8	42
4	Exo- and endo-palladacycles derived from (4R)-phenyl-2-oxazolines. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 2382-2394.	1.8	41
5	Theoretical Study of 1-Methoxy-2-sulfanylethan-1-yl Cation: An Insight into Intermediates in Glycosidation Reactions. <i>Journal of Organic Chemistry</i> , 1999, 64, 1247-1253.	3.2	40
6	Cyclopalladation of (S)-4-tert-Butyl-2-methyl-2-oxazoline: An Unprecedented Case of (sp ³)C-H Bond Activation Resulting in exo-Palladacycle Formation. <i>Organometallics</i> , 2005, 24, 4159-4169.	2.3	36
7	Reactions of Cyclopalladated Complexes with Lithium Diphenylphosphide. <i>Organometallics</i> , 2009, 28, 6546-6558.	2.3	34
8	Synthesis and structural characterization of enantiopure exo and endo six-membered oxazoline-derived palladacycles. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 33-45.	1.8	33
9	Synthesis of Aminophosphines and Their Applications in Catalysis. <i>Current Organic Chemistry</i> , 2012, 16, 2893-2920.	1.6	32
10	Homochiral cyclopalladated complexes of (S)-4-tert-butyl-2-phenyl-2-oxazoline. X-ray study of (S,S)-di-μ ₄ -chlorobis-{2-[2-(4-tert-butyl)oxazolanyl]phenyl-C,N}-dipalladium(II). <i>Journal of Organometallic Chemistry</i> , 2002, 654, 66-73.	1.8	26
11	Cyclopalladated complexes containing an (sp ³)C-Pd bond. <i>Coordination Chemistry Reviews</i> , 2020, 409, 213203.	18.8	25
12	Electrospray Ionization with High-Resolution Mass Spectrometry as a Tool for Lignomics: Lignin Mass Spectrum Deconvolution. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 1044-1059.	2.8	23
13	Fungal Biotransformation of Insoluble Kraft Lignin into a Water Soluble Polymer. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 6103-6113.	3.7	20
14	Extractable Organic Carbon and its Differentiation by Polarity in Diesel Exhaust, Wood Smoke, and Urban Particulate Matter. <i>Aerosol Science and Technology</i> , 2009, 43, 714-729.	3.1	16
15	Detection of nitrated and oxygenated polycyclic aromatic hydrocarbons using atmospheric pressure chemical ionization high resolution mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2016, 397-398, 6-17.	1.5	16
16	A new enantiopure d-camphor-derived palladacycle. <i>Journal of Organometallic Chemistry</i> , 2014, 756, 27-33.	1.8	13
17	Reactions of benzyldiphenylphosphine with Pd(II) sources on silica gel. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 3162-3168.	1.8	12
18	Chemoselectivity control in the reaction of a dinuclear chloro-bridged cyclopalladated complex with potassium diphenylphosphide. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 871-878.	1.8	11

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19	Cyclopalladation of 2-tert-butyl-4,4-dimethyl-2-oxazoline in solution and on silica gel. <i>Inorganic Chemistry Communication</i> , 2010, 13, 653-655.	3.9	10
20	Synthesis of N,P-, S,P-, P,P- and S,P,S-ligands using reactions of cyclopalladated complexes with KPPH ₂ . <i>Journal of Organometallic Chemistry</i> , 2013, 745-746, 356-362.	1.8	10
21	Solvent-free cyclopalladation on silica gel. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 360-364.	1.8	9
22	Reactions of cyclopalladated complexes with HPPH ₂ resulting in ligand phosphination. <i>Journal of Organometallic Chemistry</i> , 2017, 830, 155-166.	1.8	9
23	Preparation and characterization of cyclopalladated complexes derived from l-(α)-fenchone. <i>Journal of Organometallic Chemistry</i> , 2014, 772-773, 42-48.	1.8	8
24	Reactivity of dimeric cyclopalladated complexes with an (sp) ² C-Pd bond toward KPPH ₂ . <i>Journal of Organometallic Chemistry</i> , 2015, 797, 13-20.	1.8	8
25	The Use of tert-Butyl Vinyl Ether in Stepwise Electrophilic Addition Reactions. <i>Synthetic Communications</i> , 2000, 30, 3451-3464.	2.1	6
26	Solvent-free direct cyclopalladation of sulfides on silica gel. <i>Inorganic Chemistry Communication</i> , 2012, 26, 64-65.	3.9	5
27	Transcyclopalladation on silica gel. <i>Polyhedron</i> , 2013, 53, 202-207.	2.2	5
28	Pathways toward PAH Formation during Fatty Acid and Triglyceride Pyrolysis. <i>Journal of Physical Chemistry A</i> , 2020, 124, 7559-7574.	2.5	4
29	New optically active camphor-derived cyclopalladated complexes with an asymmetric carbon bonded to the metal. <i>Journal of Organometallic Chemistry</i> , 2019, 900, 120917.	1.8	3
30	Reduction of 2-Arylthio- β -D-Glucopyranosides with Different Functional Groups in the Lateral Chain. <i>Synthetic Communications</i> , 2011, 41, 1192-1199.	2.1	2
31	Reactions of m-chloroperoxybenzoic acid with dimeric cyclopalladated complexes derived from 2-phenyl-2-oxazolines. <i>Transition Metal Chemistry</i> , 2015, 40, 877-889.	1.4	2
32	Advancements in C-P ₂ (R = Alkyl or Aryl) Bond Formation Reactions Involving Palladium. <i>Mini-Reviews in Organic Chemistry</i> , 2019, 16, 323-334.	1.3	2
33	Cyclopalladation of enantiopure oxazolines having the prochiral CMe ₂ moiety at position 2 of the heterocycle. <i>Polyhedron</i> , 2009, 28, 77-84.	2.2	1
34	Steric and electronic effect of secondary phosphines in reactions with cyclopalladated complexes. <i>Polyhedron</i> , 2019, 159, 146-158.	2.2	1