Lyudmila Parfenova

List of Publications by Year
in descending order

83	777	623188	713013
papers	citations	14 h-index	21 g-index

87	87	87	423
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis, modification, and biological activity of propargylated methyl dihydroquinopimarates. Natural Product Research, 2022, 36, 79-86.	1.0	11
2	Hyaluronic acid bisphosphonates as antifouling antimicrobial coatings for PEO-modified titanium implants. Surfaces and Interfaces, 2022, 28, 101678.	1.5	7
3	Ecdysteroids: isolation, chemical transformations, and biological activity. Phytochemistry Reviews, 2022, 21, 1445-1486.	3.1	12
4	Synthesis of conjugates of hyaluronic acid with amino acid bisphosphonates as antimicrobial organic coatings for PEO-modified titanium implants. AIP Conference Proceedings, 2022, , .	0.3	1
5	Diastereoselective synthesis of novel 20-hydroxyecdysone dioxolane derivatives. AIP Conference Proceedings, 2022, , .	0.3	0
6	Organic tribromides - Effective reagents for one-pot synthesis of pyridinium analogues of lupane triterpenoids. AIP Conference Proceedings, 2022, , .	0.3	0
7	Fischer reaction in the synthesis of indole derivatives of fusidic acid benzyl ester. AIP Conference Proceedings, 2022, , .	0.3	0
8	Three-component synthesis of aminophosphonates based on phenylenediamines. AIP Conference Proceedings, 2022, , .	0.3	0
9	Synthesis of 7-formyl methyl abietate via Vilsmeier-Haack reaction and cytotoxic activity of abietane diterpene derivatives. AIP Conference Proceedings, 2022, , .	0.3	0
10	Superior properties and behaviour of coatings produced on nanostructured titanium by PEO coupled with the EPD process. Surface Topography: Metrology and Properties, 2022, 10, 015020.	0.9	5
11	Fischer Reaction in the Synthesis of New Triterpene Indoles of the Fusidane Series. Russian Journal of Organic Chemistry, 2022, 58, 25-37.	0.3	3
12	Investigation of Biocompatible PEO Coating Growth on cp-Ti with In Situ Spectroscopic Methods. Materials, 2022, 15, 9.	1.3	5
13	Modification of 1-Hexene Vinylidene Dimer into Primary and Tertiary Alkanethiols. MolBank, 2022, 2022, M1379.	0.2	0
14	In vitro adjuvant antitumor activity of various classes of semi-synthetic poststerone derivatives. Bioorganic Chemistry, 2021, 106, 104485.	2.0	5
15	Hydroxy Derivatives of Poststerone and Its Nontrivial 13(14â†'8)-Abeo-analogues: Synthesis, Crystal Packing, and Intermolecular Hydrogen Bonds. Journal of Molecular Structure, 2021, 1227, 129509.	1.8	5
16	Photoluminescence and mechanoluminescence of solidâ€state zirconocene dichlorides. Luminescence, 2021, 36, 943-950.	1.5	5
17	Ti Group Metallocene-Catalyzed Synthesis of 1-Hexene Dimers and Tetramers. Molecules, 2021, 26, 2775.	1.7	7
18	A Commercial Extract of Cyanotis arachnoidea Roots as a Source of Unusual Ecdysteroid Derivatives with Insect Hormone Receptor Binding Activity. Journal of Natural Products, 2021, 84, 1870-1881.	1.5	4

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19	Chain and cluster models of methylaluminoxane as activators of zirconocene hydride, alkyl and metallacyclopropane intermediates in alkene transformations. Molecular Catalysis, 2021, 512, 111768.	1.0	6
20	Synthesis and Biological Activity of Oximes, Amines, and Lactams of Fusidane Triterpenoids. ChemistrySelect, 2021, 6, 8848-8854.	0.7	5
21	New quaternized pyridinium derivatives of betulin: Synthesis and evaluation of membranotropic properties on liposomes, pro- and eukaryotic cells, and isolated mitochondria. Chemico-Biological Interactions, 2021, 349, 109678.	1.7	9
22	Catalytic Systems Based on Cp2ZrX2 (X = Cl, H), Organoaluminum Compounds and Perfluorophenylboranes: Role of Zr,Zr- and Zr,Al-Hydride Intermediates in Alkene Dimerization and Oligomerization. Catalysts, 2021, 11, 39.	1.6	9
23	Synthesis of 4-Aminodihydroquinopimaric Acid Derivatives. Russian Journal of Organic Chemistry, 2021, 57, 1448-1454.	0.3	0
24	Zirconocene dichlorides as catalysts in alkene carbo- and cyclometalation by AlEt3: intermediate structures and dynamics. Dalton Transactions, 2021, 50, 15802-15820.	1.6	1
25	Biofunctionalization of PEO coatings on titanium implants with inorganic and organic substances. Surface and Coatings Technology, 2020, 404, 126486.	2.2	28
26	The Nenitzescu Reaction in the Synthesis of New Abietane Diterpene Indoles. Chemistry of Heterocyclic Compounds, 2020, 56, 1366-1369.	0.6	5
27	Indole Derivatives of Fusidane Triterpenoids: Synthesis and the Antibacterial Activity. Chemistry of Heterocyclic Compounds, 2020, 56, 800-804.	0.6	11
28	Bimetallic Zr,Zr-Hydride Complexes in Zirconocene Catalyzed Alkene Dimerization. Molecules, 2020, 25, 2216.	1.7	10
29	Beckmann Rearrangement of Oximes of the Fusidane Series. Russian Journal of Organic Chemistry, 2020, 56, 11-19.	0.3	5
30	Synthesis of N-Heterocyclic Analogues of 28-O-Methyl Betulinate, and Their Antibacterial and Antifungal Properties. MolBank, 2020, 2020, M1100.	0.2	6
31	Biocompatible Organic Coatings Based on Bisphosphonic Acid RGD-Derivatives for PEO-Modified Titanium Implants. Molecules, 2020, 25, 229.	1.7	16
32	Developing Nanostructured Metals for Manufacturing of Medical Implants with Improved Design and Biofunctionality. Materials Transactions, 2019, 60, 1356-1366.	0.4	26
33	Synthesis and cytotoxic activity of 3-amino substituted fusidane triterpenoids. Medicinal Chemistry Research, 2019, 28, 2171-2183.	1.1	10
34	Molecular rearrangements of poststerone derivative steroid core with formation of unique D-homostructures of pregnane and androstane series. Steroids, 2019, 148, 28-35.	0.8	4
35	Synthesis of N-Substituted Thiazacycloalkanes by Cyclothiomethylation of Primary Aliphatic Amines and Amino Derivatives of Maleopimaric Acid. Russian Journal of General Chemistry, 2019, 89, 25-31.	0.3	4
36	Synthesis and Antimicrobial and Antifungal Activity of Resin Acid Acetylene Derivatives. Russian Journal of Bioorganic Chemistry, 2019, 45, 545-551.	0.3	4

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37	One-pot Synthesis of Betulin Triterpenoid Quaternized Pyridine Derivatives and their Antimicrobial Activity. Letters in Drug Design and Discovery, 2019, 17, 79-84.	0.4	10
38	One-pot synthesis of quaternary pyridinium salts and tetrahydropyridine derivatives of fusidane triterpenoids. Chemistry of Heterocyclic Compounds, 2019, 55, 1204-1210.	0.6	7
39	Sonochemically assisted 2,3-dideoxygenation and skeletal rearrangement of ecdysteroid derivatives. Ultrasonics Sonochemistry, 2019, 52, 505-511.	3.8	6
40	Surface functionalization via PEO coating and RGD peptide for nanostructured titanium implants and their in vitro assessment. Surface and Coatings Technology, 2019, 357, 669-683.	2.2	29
41	Diastereoselective synthesis of functionally substituted alkene dimers and oligomers, catalysed by chiral zirconocenes. Catalysis Communications, 2019, 119, 144-152.	1.6	6
42	Synthesis of New Dihydroquinopimaric Acid Analogs with Nitrile Groups as Apoptosis-Inducing Anticancer Agents. Anti-Cancer Agents in Medicinal Chemistry, 2019, 19, 1172-1183.	0.9	13
43	Self-association processes of substituted alumolanes in non-polar solvents. Journal of Organometallic Chemistry, 2018, 867, 170-182.	0.8	3
44	Oxo-analogues of 20-hydroxyecdysone in the synthesis of novel fluorinated ecdysteroid derivatives. Canadian Journal of Chemistry, 2018, 96, 471-476.	0.6	1
45	Semi-Synthetic Ecdysteroids and Their Impact on Reproduction in the Domestic Fly Musca domestica Strains. Journal of Evolutionary Biochemistry and Physiology, 2018, 54, 434-441.	0.2	1
46	Ligand exchange processes in zirconocene dichlorideâ€“trimethylaluminum bimetallic systems and their catalytic properties in reaction with alkenes. Dalton Transactions, 2018, 47, 16918-16937.	1.6	7
47	Alkene and Olefin Functionalization by Organoaluminum Compounds, Catalyzed with Zirconocenes: Mechanisms and Prospects. , 2018, , .		1
48	Synthesis and Biological Activity of Cyanoethyl Derivatives of Fusidic Acid. Russian Journal of Organic Chemistry, 2018, 54, 1411-1418.	0.3	15
49	Synthesis and Biological Activity of Nitrilic Derivatives of the Methyl Ester of Maleopimaric Acid. Russian Journal of Bioorganic Chemistry, 2018, 44, 547-552.	0.3	5
50	Convenient one-pot synthesis of resin acid Mannich bases as novel anticancer and antifungal agents. Medicinal Chemistry Research, 2018, 27, 2199-2213.	1.1	13
51	Mechanism of Cp₂ZrCl₂-Catalyzed Olefin Cycloalumination with AlEt₃: Quantum Chemical Approach. Organometallics, 2018, 37, 2406-2418.	1.1	10
52	Reductive amination of fusidane triterpenoid ketones. Mediterranean Journal of Chemistry, 2018, 7, 198-203.	0.3	6
53	Reactions of bimetallic Zr,Al- hydride complexes with methylaluminoxane: NMR and DFT study. Journal of Organometallic Chemistry, 2017, 851, 30-39.	0.8	15
54	Synthesis and antimicrobial activity of quinopimaric and maleopimaric acids. Russian Journal of Bioorganic Chemistry, 2017, 43, 317-322.	0.3	8

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55	Synthesis of novel Î±-aminoecdysteroids via regio- and stereoselective oximation/hydrogenation of 20-hydroxyecdysone derivatives. Canadian Journal of Chemistry, 2017, 95, 130-133.	0.6	5
56	One-pot synthesis of 1,2,3-triazole derivatives of maleopimaric and dihydroquinopimaric acids. Russian Journal of Organic Chemistry, 2017, 53, 1701-1704.	0.3	3
57	Cycloalumination of allylbenzenes with triethylaluminum in the presence of Cp2ZrCl2. One-pot synthesis of 2-benzylbutane-1,4-diols as precursors of dibenzylbutane lignans. Russian Journal of Organic Chemistry, 2016, 52, 1750-1755.	0.3	3
58	Intramolecular mobility of Î·⁵-ligands in chiral zirconocene complexes and the enantioselectivity of alkene functionalization by organoaluminum compounds. Dalton Transactions, 2016, 45, 12814-12826.	1.6	7
59	Structure and conformations of 2â€substituted and 3â€substituted alumolanes in polar solvents: a direct NMR observation. Magnetic Resonance in Chemistry, 2016, 54, 62-74.	1.1	11
60	Mechanistic aspects of chemo- and regioselectivity in Cp2ZrCl2-catalyzed alkene cycloalumination by AlEt3. Journal of Organometallic Chemistry, 2016, 822, 135-143.	0.8	10
61	Synthesis and modifications of alkyne derivatives of dihydroquinopimaric, maleopimaric, and fumaropimaric acids. Russian Journal of Organic Chemistry, 2016, 52, 1496-1502.	0.3	6
62	Triboluminescence of zirconium Î·5-complexes. Russian Chemical Bulletin, 2015, 64, 2776-2779.	0.4	1
63	Catalytic enantioselective ethylalumination of terminal alkenes: substrate effects and absolute configuration assignment. Tetrahedron: Asymmetry, 2015, 26, 124-135.	1.8	13
64	Role of Zr,Al Hydride Intermediate Structure and Dynamics in Alkene Hydroalumination with XAlBuⁱ₂ (X = H, Cl, Buⁱ), Catalyzed by Zr Î·⁵ Complexes. Organometallics, 2015, 34, 3559-3570.	1.1	29
65	Catalytic cyclometallation of allylbenzenes by EtAlCl2 and Mg as new route to synthesis of dibenzyl butane lignans. Journal of Organometallic Chemistry, 2014, 772-773, 292-298.	0.8	8
66	Stereocontrolled monoalkylation of mixed-ring complex CpCpâ€²ZrCl2 (Cpâ€²Â=Â1-neomenthyl-4,5,6,7-tetrahydroindenyl) by lithium, magnesium and aluminum alkyls. Journal of Organometallic Chemistry, 2013, 726, 37-45.	0.8	6
67	Asymmetric alkene cycloalumination by AlEt3, catalyzed with neomenthylindenyl zirconium Î·-complexes. Journal of Organometallic Chemistry, 2013, 723, 19-25.	0.8	13
68	Mechanisms of reactions of organoaluminium compounds with alkenes and alkynes catalyzed by Zr complexes. Russian Chemical Reviews, 2012, 81, 524-548.	2.5	28
69	DFT and Ab Initio Study on Mechanism of Olefin Hydroalumination by XAlBui2in the Presence of Cp2ZrCl2Catalyst. II.(1) Olefin Interaction with Catalytically Active Centers. Organometallics, 2011, 30, 6078-6089.	1.1	27
70	Enantioselectivity of chiral zirconocenes as catalysts in alkene hydro-, carbo- and cycloalumination reactions. Tetrahedron: Asymmetry, 2010, 21, 299-310.	1.8	27
71	On study of chemoselectivity of reaction of trialkylalanes with alkenes, catalyzed with Zr Ï€-complexes. Journal of Organometallic Chemistry, 2009, 694, 3725-3731.	0.8	19
72	DFT Study on Mechanism of Olefin Hydroalumination by XAlBui2 in the Presence of Cp2ZrCl2 Catalyst. I. Simulation of Intermediate Formation in Reaction of HAlBui2 with Cp2ZrCl2. Organometallics, 2009, 28, 968-977.	1.1	39

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73	Kinetic model of olefin hydroalumination by HAlBui2 and AlBui3 in the presence of Cp2ZrCl2 catalyst. International Journal of Chemical Kinetics, 2007, 39, 333-339.	1.0	19
74	New effective reagent [Cp2ZrH2Â·ClAlEt2]2 for alkene hydrometallation. Journal of Organometallic Chemistry, 2007, 692, 3424-3429.	0.8	26
75	Effect of dicyclopentadiene-and diindenezirconocene dichlorides on free-radical polymerization of methyl methacrylate. Polymer Science - Series A, 2006, 48, 712-716.	0.4	6
76	Mechanism of Cp2ZrCl2-catalyzed olefin hydroalumination by alkylalanes. Russian Chemical Bulletin, 2005, 54, 316-327.	0.4	34
77	An effect of application of chiral aluminium alkoxides and amides as adducts to zirconium catalyzed carbo- and cycloalumination of olefins. Journal of Organometallic Chemistry, 2004, 689, 444-453.	0.8	7
78	Title is missing!. Russian Chemical Bulletin, 2001, 50, 2336-2345.	0.4	6
79	A new route of the reaction of EtAlCl2 with Î±-olefins catalyzed by Ti complexes. Russian Chemical Bulletin, 2001, 50, 292-296.	0.4	7
80	Title is missing!. Russian Chemical Bulletin, 2001, 50, 1465-1468.	0.4	4
81	Title is missing!. Doklady Physical Chemistry, 2001, 381, 279-282.	0.2	12
82	Title is missing!. Russian Chemical Bulletin, 2000, 49, 2051-2058.	0.4	16
83	Synthesis of Dibenzylbutane and 9,8â€²-Neo-Lignans via Cyclometalation of Allylbenzene by EtAlCl2 and Mg in the Presence of Zr ansa-Complexes. , 0, , .		0