Vladimir Kovalev

List of Publications by Year
in descending order

92	978	471509 17	580821 25
papers	citations	h-index	g-index

101	101	101	928
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thiacalixarenes-A New Class of Synthetic Receptors. Russian Journal of Organic Chemistry, 2003, 39, 1-28.	0.8	70
2	1,3-Diketones. Synthesis and properties. Russian Journal of Organic Chemistry, 2015, 51, 755-830.	0.8	54
3	Molecular Recognition of Organic Vapors by Adamantylcalix[4]arene in QCM Sensor Using Partial Binding Reversibility. Journal of Physical Chemistry B, 2008, 112, 15569-15575.	2.6	45
4	First synthesis of adamantylated thiacalix[4]arenes. Tetrahedron Letters, 2002, 43, 5153-5156.	1.4	41
5	Anthrylâ€1,2,4â€oxadiazoleâ€Substituted Calix[4]arenes as Highly Selective Fluorescent Chemodosimeters for Fe³⁺. Chemistry - an Asian Journal, 2015, 10, 1025-1034.	3.3	34
6	Synthesis and antiherpetic activity of N-(3-amino-1-adamantyl)calix[4]arenes. Pharmaceutical Chemistry Journal, 2006, 40, 68-72.	0.8	32
7	Narrow rim CMPO/adamantylcalix[4]arenes for the extraction of lanthanides and actinides. Tetrahedron, 2011, 67, 8092-8101.	1.9	27
8	Calixarene-based anionic receptors. Russian Journal of Organic Chemistry, 2009, 45, 1275-1314.	0.8	24
9	Biological Activity of Adamantane-Containing Mono- and Polycyclic Pyrimidine Derivatives* (A Review). Pharmaceutical Chemistry Journal, 2016, 50, 63-75.	0.8	24
10	Adamantane functionalization. synthesis of polyfunctional derivatives with various substituents in bridgehead positions. Russian Journal of Organic Chemistry, 2012, 48, 1007-1040.	0.8	23
11	(CF3CO)2O/CF3SO3H-mediated synthesis of 1,3-diketones from carboxylic acids and aromatic ketones. Beilstein Journal of Organic Chemistry, 2014, 10, 2270-2278.	2.2	22
12	Extraction of americium and europium by CMPO-substituted adamantylcalixarenes. Radiochimica Acta, 2005, 93, .	1.2	21
13	Copper(I)â€Catalyzed Cycloaddition of Azides to Multiple Alkynes: A Selectivity Study Using a Calixarene Framework. Chemistry - A European Journal, 2015, 21, 9528-9534.	3.3	20
14	Camphor and its derivatives. Unusual transformations and biological activity. Russian Journal of Organic Chemistry, 2016, 52, 459-488.	0.8	20
15	Synthesis ofp-(1-Adamantyl)- andp-(3-Substituted-1-Adamantyl)calix[4]arenes. Synlett, 1994, 1994, 1027-1028.	1.8	19
16	Homooxacalixarenes: I. Structure, Synthesis, and Chemical Reactions. Russian Journal of Organic Chemistry, 2004, 40, 607-643.	0.8	19
17	Adamantylcalixarenes with CMPO groups at the wide rim: synthesis and extraction of lanthanides and actinides. Tetrahedron, 2007, 63, 4748-4755.	1.9	19
18	Homooxacalixarenes: II. Receptor properties. Russian Journal of Organic Chemistry, 2004, 40, 1547-1578.	0.8	18

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19	Calix[4]tubes: An Approach to Functionalization. Chemistry - A European Journal, 2012, 18, 10954-10968.	3.3	18
20	New Class of Host Molecules.p-1-Adamantylcalix[8] arenes. Synlett, 1993, 1993, 647-648.	1.8	17
21	Chiral Heteroditopic Baskets Designed from Triazolated Calixarenes and Short Peptides. Chemistry - A European Journal, 2016, 22, 12415-12423.	3.3	16
22	Ketoesters and ketoacids of the adamantane series: synthesis and transformations. Russian Chemical Reviews, 2011, 80, 927-951.	6.5	15
23	Triazolated calix[4]arenes from 2-azidoethylated precursors: is there a difference in the way the triazoles are attached to narrow rims?. New Journal of Chemistry, 2019, 43, 4562-4580.	2.8	15
24	Substituent control of potassium and rubidium uptake by asymmetric calix[4]-thiacalix[4]tubes. Organic and Biomolecular Chemistry, 2006, 4, 1555.	2.8	14
25	Synthesis of functionalized 5-(3-R-1-adamantyl)uracils and related compounds. Tetrahedron, 2010, 66, 3058-3064.	1.9	14
26	p-(3-Carboxy- and 3-carboxymethyl-1-adamantyl)calix[4]arenes: synthesis and arming with amino acid units. Tetrahedron Letters, 2004, 45, 6465-6469.	1.4	13
27	Selective azideâ€“alkyne cycloaddition reactions of azidoalkylated calixarenes. Organic Chemistry Frontiers, 2020, 7, 2432-2441.	4.5	13
28	Synthesis of 1,3-diketones from 3-(4-R-phenyl)propionic acids. Russian Journal of Organic Chemistry, 2014, 50, 464-468.	0.8	12
29	A route to virtually unlimited functionalization of water-soluble p-sulfonatocalix[4]arenes. Chemical Communications, 2020, 56, 4122-4125.	4.1	12
30	Novel approach to trisubstituted adamantanes. Tetrahedron, 1996, 52, 3983-3990.	1.9	11
31	Synthesis and Conformations of Adamantylated Calix[5]- and -[6]arenes. Russian Journal of Organic Chemistry, 2003, 39, 368-383.	0.8	11
32	Tuning conformations of calix[4]tubes by weak intramolecular interactions. New Journal of Chemistry, 2013, 37, 416-424.	2.8	11
33	Constructing bridged multifunctional calixarenes by intramolecular indole coupling. Organic Chemistry Frontiers, 2019, 6, 3327-3341.	4.5	11
34	Study of conformation and hydrogen bonds in the p-1-adamantylcalix[8]arene by IR spectroscopy and DFT. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2019, 95, 63-71.	1.6	11
35	Dichlorophosphorylation of Adamantanols and 1-Adamantylcarbinols in Trifluoroacetic Acid. Synthesis, 1995, 1995, 851-854.	2.3	10
36	Selective adamantylation of p-H-calix[4]arene in trifluoroacetic acid. Tetrahedron Letters, 1996, 37, 543-546.	1.4	10

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37	Selfâ€Acylation of 1â€Adamantylacetic Acid in Trifluoroacetic Anhydride Medium: A Route to 2,4â€Bis(1â€adamantyl)acetoacetic Acid and Its Derivatives. European Journal of Organic Chemistry, 2010, 2010, 3754-3761.	2.4	10
38	Arylation of adamantanamines: IV. Palladium-catalyzed arylation of amines of adamantane series with isomeric chloroquinolines. Russian Journal of Organic Chemistry, 2012, 48, 1391-1406.	0.8	10
39	Field-effect transition sensor for KI detection based on self-assembled calixtube monolayers. Biosensors and Bioelectronics, 2017, 98, 140-146.	10.1	10
40	Surfactant Ion Selective Membrane Electrodes. Analytical Letters, 1996, 29, 843-858.	1.8	9
41	Palladium-catalyzed amination of isomeric dihalobenzenes with 1- and 2-aminoadamantanes. Russian Journal of Organic Chemistry, 2010, 46, 64-72.	0.8	9
42	Arylation of adamantanamines: VI. Palladium-catalyzed arylation of amines and diamines of the adamantane series with 3-bromopyridine. Russian Journal of Organic Chemistry, 2013, 49, 1-7.	0.8	9
43	Electrophilic Reactions of Triadamantylated Calix[4]arenes at the Upper Rim. Synthesis, 1998, 1998, 1003-1008.	2.3	8
44	Molecular and crystal structures of calix[4]arene 1,3-di-n-propyl ether. Crystallography Reports, 2003, 48, 233-238.	0.6	8
45	Extraction of Americium(III), Plutonium(IV, V) and Neptunium(V) with Calixarenes. Mendeleev Communications, 2012, 22, 260-262.	1.6	8
46	Study of p-(3-carboxy-1-adamantyl)-calix[4]arene with hydrogen bonds along the upper and lower rim by IR spectroscopy and DFT. Journal of Molecular Modeling, 2020, 26, 179.	1.8	8
47	Pyrazoles: â€˜one-potâ€™ synthesis from arenes and carboxylic acids. Organic and Biomolecular Chemistry, 2020, 18, 5625-5638.	2.8	7
48	Inherently dinuclear iridium(<scp>iii</scp>) meso architectures accessed by cyclometalation of calix[4]arene-based bis(aryltriazoles). Dalton Transactions, 2021, 50, 16765-16769.	3.3	7
49	Conformational Restriction of the Calix[6]arene Macrocycle by the Ritter Reaction. European Journal of Organic Chemistry, 2006, 2006, 522-530.	2.4	6
50	Synergistic extraction of cesium, strontium, and europium with adamantylated thiacalix[4]arenes in the presence of chlorinated cobalt dicarbollide. Russian Journal of General Chemistry, 2008, 78, 19-25.	0.8	6
51	Determination of the ammonium ion by voltammetry at the liquid-liquid interface using calixarenes as neutral carriers. Russian Journal of Electrochemistry, 2014, 50, 940-946.	0.9	6
52	Unknown Camphor: Regioselective Rearrangement under Acylation in a CF₃SO₃H/(CF₃CO)₂O System. European Journal of Organic Chemistry, 2016, 2016, 1508-1512.	2.4	6
53	Assembling triazolated calix[4]semitubes by means of copper(<scp>i</scp>)-catalyzed azideâ€“alkyne cycloaddition. Organic Chemistry Frontiers, 2021, 8, 3853-3866.	4.5	6
54	Molecular structure of 1-(4-nitrophenyl) adamantanone-4. Journal of Structural Chemistry, 1987, 28, 155-158.	1.0	5

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55	Synthesis and antiherpetic activity of adamantyl-containing nucleoside analogs. Pharmaceutical Chemistry Journal, 1999, 33, 372-376.	0.8	5
56	Selective Upper-Rim Adamantylation of Calix[4]arenes. Russian Journal of Organic Chemistry, 2001, 37, 612-619.	0.8	5
57	Ion-Selective Electrodes Based on Adamantylcalix[4,8]arenes for the Determination of Alkali Cations. Journal of Analytical Chemistry, 2003, 58, 375-379.	0.9	5
58	First synthesis of Î±-(3-R-1-adamantyl)sulfoacetic acids and their derivatives. Tetrahedron, 2012, 68, 4765-4772.	1.9	5
59	Synthesis of polyfunctional phosphorus-containing calixarenes in cycloaddition reactions of azides to alkynes. Chemistry of Heterocyclic Compounds, 2016, 52, 1042-1053.	1.2	5
60	Triazolated calix[4]semitubes: assembling strategies towards long multicalixarene architectures. Organic Chemistry Frontiers, 0, , .	4.5	5
61	Crystal and molecular structure of the ?-sultone of 1-(3-oxy-4-homoadamantyl)ethane-1-sulfonic acid. Journal of Structural Chemistry, 1990, 30, 933-937.	1.0	4
62	Stereoselective Isomerisation of 2-Aryl-2-hydroxyadamantanes: A Convenient Method for (Z)-2-Aryl-5-hydroxyadamantanes. Synlett, 1990, 1990, 739-740.	1.8	4
63	Carbamoylmethylphosphine oxide derivatives of adamantane as extracting agents of americium and europium. Russian Chemical Bulletin, 2007, 56, 115-121.	1.5	4
64	Intramolecular co-operative hydrogen bond in calix[n]arenes (n = 4, 6, 8) bearing bulky substituents. Russian Chemical Bulletin, 2007, 56, 1103-1109.	1.5	4
65	â€œOne-Potâ€•Synthesis of Î³-Pyrones from Aromatic Ketones/Heteroarenes and Carboxylic Acids. Journal of Organic Chemistry, 2020, 85, 15051-15061.	3.2	4
66	Monocyanomethylated thiacalix[4]arenes: synthesis and lower rim modification. Arkivoc, 2008, 2008, 26-32.	0.5	4
67	Synthesis, antiherpes, and antibacterial activity of N-linked conjugates of eremomycin with adamantanecarboxylic acids. Pharmaceutical Chemistry Journal, 2009, 43, 485.	0.8	3
68	Synthesis and chemical properties of adamantylated nucleic bases and related compounds. Pharmaceutical Chemistry Journal, 2013, 47, 264-280.	0.8	3
69	[1+1]-cyclization of 4-(1-adamantyl)-2,6-diformylphenol with 1,3-bis(aminoalkyl)adamantanes. Russian Journal of General Chemistry, 2008, 78, 614-622.	0.8	2
70	Synthesis of the porphyrin-calix[4]arene conjugatesviaPd-catalyzed amination and their evaluation as fluorescent chemosensors. Journal of Porphyrins and Phthalocyanines, 2019, 23, 1551-1562.	0.8	2
71	Trifluoroacetic Anhydride as an Activator in the Acylation of Aryl Methyl Ketones with Carboxylic Acids. Russian Journal of Organic Chemistry, 2020, 56, 1770-1774.	0.8	2
72	Influence of exo-Adamantyl Groups and endo-OH Functions on the Threading of Calix[6]arene Macrocycle. Journal of Organic Chemistry, 2020, 85, 12585-12593.	3.2	2

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73	Crystal and molecular structure of four disubstituted adamantanes. Journal of Structural Chemistry, 1987, 28, 243-251.	1.0	1
74	Crystal and molecular structures of the ?-sultones of 1-(3-oxy-4-homoadamantyl)propane-1-sulfonic and 1-(3-oxy-4-homoadamantyl)butane-1-sulfonic acids. Journal of Structural Chemistry, 1990, 30, 938-943.	1.0	1
75	Ionselective electrodes based on adamantylthiacalix[4]arenes for alkali cations determination. Moscow University Chemistry Bulletin, 2011, 66, 43-46.	0.6	1
76	XAS study of americium complexes with calixarene bearing carbamoylmethylphosphine oxide moieties. Mendeleev Communications, 2021, 31, 188-190.	1.6	1
77	Synthesis of Adamantylated Salicylic Acids. Russian Journal of Organic Chemistry, 2021, 57, 1089-1097.	0.8	1
78	Adamantylation of Adenine and Related Compounds with Adamantanols in Trifluoroacetic Acid. Russian Journal of Organic Chemistry, 2021, 57, 1295-1301.	0.8	1
79	Crystal and molecular structure of N-[1-(1-adamantyl)propyl]acetamide. Journal of Structural Chemistry, 1987, 28, 158-163.	1.0	0
80	Crystal and molecular structure of 1,3-dimethoxy-4,6-di(1-adamantyl)benzene. Journal of Structural Chemistry, 1987, 28, 163-165.	1.0	0
81	Crystal and molecular structure of 2,6-di(1-adamantyl) anthracene. Journal of Structural Chemistry, 1987, 28, 165-168.	1.0	0
82	Molecular structures of two ?-sultones of 1-(3-hydroxyhomoadamantyl-4)isoalkane-1-sulfonic acids. Journal of Structural Chemistry, 1987, 28, 251-256.	1.0	0
83	Crystal and molecular structure of 1,3-di(2,2,6,6-tetramethyl-1-oxyl-4-carbpiperidyloxy)Adamantane. Journal of Structural Chemistry, 1992, 32, 754-756.	1.0	0
84	Crystal and molecular structure of (2)-4-(3-trifluormethyl-phenyl)-1-hydroxyadamantane. Journal of Structural Chemistry, 1992, 32, 757-764.	1.0	0
85	Homooxacalixarenes. Part 1. Structure, Synthesis, and Chemical Reactions. ChemInform, 2004, 35, no.	0.0	0
86	Homooxacalixarenes. Part 2. Receptor Properties. ChemInform, 2005, 36, no.	0.0	0
87	Reactions of 2-hydroxy-5-(1-adamantyl)benzene-1,3-dicarbaldehyde with ethane-1,2-diamine, trans-cyclohexane-1,2-diamine, and N-(2-aminoethyl)ethane-1,2-diamine. Russian Journal of General Chemistry, 2008, 78, 2082-2093.	0.8	0
88	First Synthesis of Adamantylated Thiacalix[4]arenes.. ChemInform, 2002, 33, 68-68.	0.0	0
89	Study of IR spectra of thiacalix[4]arene with carboxyl and adamantyl groups. E3S Web of Conferences, 2021, 274, 04002.	0.5	0
90	Experimental and DFT investigation of structure and IR spectra of H-bonded associates of p-(3-carboxy-1-adamantyl)thiacalix[4]arene. Journal of Molecular Modeling, 2021, 27, 135.	1.8	0

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91	10.1007/s11176-008-1004-3. , 2010, 78, 19.		0
92	Synthesis of 1,3-Bis(3-R-adamantan-1-yl)acetones. Russian Journal of Organic Chemistry, 2022, 58, 47-53.	0.8	0