Igor S Antipin

List of Publications by Year
in descending order

292 papers	3,721 citations	172457 29 h-index	265206 42 g-index
301 all docs	301 docs citations	301 times ranked	2356 citing authors

#	Article	IF	Citations
1	Coordination Polymers based on calixarene derivatives: Structures and properties. Coordination Chemistry Reviews, 2017, 352, 151-186.	18.8	106
2	Functional supramolecular systems: design and applications. Russian Chemical Reviews, 2021, 90, 895-1107.	6.5	93
3	Calix[4]arene based Î±-aminophosphonates: Novel carriers for zwitterionic amino acids transport. Tetrahedron Letters, 1997, 38, 5865-5868.	1.4	83
4	Modern Trends of Organic Chemistry in Russian Universities. Russian Journal of Organic Chemistry, 2018, 54, 157-371.	0.8	68
5	Phosphorus-containing calixarenes. Russian Chemical Reviews, 1998, 67, 905-922.	6.5	64
6	The synthesis of tetracarbonyl derivatives of thiacalix[4]arene in different conformations and their complexation properties towards alkali metal ions. Tetrahedron, 2003, 59, 1469-1476.	1.9	54
7	Cholinesterase sensor based on glassy carbon electrode modified with Ag nanoparticles decorated with macrocyclic ligands. Talanta, 2014, 127, 9-17.	5.5	51
8	Nonlinear Structureâ^'Affinity Relationships for Vapor Guest Inclusion by Solid Calixarenes. Journal of Physical Chemistry B, 2002, 106, 5845-5851.	2.6	50
9	Electrochemical Aptasensor for the Determination of Ochratoxin A at the Au Electrode Modified with Ag Nanoparticles Decorated with Macrocyclic Ligand. Electroanalysis, 2013, 25, 1847-1854.	2.9	49
10	Organic chemistry. History and mutual relations of universities of Russia. Russian Journal of Organic Chemistry, 2017, 53, 1275-1437.	0.8	48
11	Thermodynamic comparison of molecular recognition of vaporous guests by solid calixarene and diol hosts. Perkin Transactions II RSC, 2000, , 2287-2294.	1.1	47
12	Novel Highly Charged Silica-Coated Tb(III) Nanoparticles with Fluorescent Properties Sensitive to Ion Exchange and Energy Transfer Processes in Aqueous Dispersions. Langmuir, 2009, 25, 3146-3151.	3.5	47
13	Ag selective electrode based on glassy carbon electrode covered with polyaniline and thiacalix[4]arene as neutral carrier. Talanta, 2007, 71, 1720-1727.	5.5	46
14	Artificial intelligence in synthetic chemistry: achievements and prospects. Russian Chemical Reviews, 2017, 86, 1127-1156.	6.5	45
15	Molecular tectonics: on the formation of 1-D silver coordination networks by thiacalixarenes bearing nitrile groups. Dalton Transactions, 2007, , 5126.	3.3	43
16	Vibrational spectra, co-operative intramolecular hydrogen bonding and conformations of calix[4]arene and thiacalix[4]arene molecules and their para-tert-butyl derivatives. Organic and Biomolecular Chemistry, 2005, 3, 2558.	2.8	41
17	Lipophilic aminophosphonates and their calix[4]arene derivatives: synthesis and membrane transport of biorelevant species. Heteroatom Chemistry, 2000, 11, 518-527.	0.7	40
18	The synthesis of p-tert-butyl thiacalix[4]arenes functionalized with secondary amide groups at the lower rim and their extraction properties and self-assembly into nanoscale aggregates. Tetrahedron, 2008, 64, 7112-7121.	1.9	40

#	Article	IF	Citations
19	2-Butyne-1,4-diol hydrogenation over palladium supported on Zn2+-based â€“ MOF and hostâ€“guest MOF/calix[4]arene materials. Microporous and Mesoporous Materials, 2013, 166, 167-175.	4.4	39
20	Outer-Sphere Association of p-Sulfonatothiacalix[4]arene and Tetrasulfonatomethylated Calix[4]resorcinarene with Cobalt(III) Tris(dipyridyl):â€‰ The Effect on the Spectral and Electrochemical Properties of the Latter. Inorganic Chemistry, 2005, 44, 4017-4023.	4.0	38
21	Thiacalix[4]areneâ€™s Lower Rim Derivatives: Synthesis and Supramolecular Properties. Macroheterocycles, 2017, 10, 134-146.	0.5	38
22	Automatized Assessment of Protective Group Reactivity: A Step Toward Big Reaction Data Analysis. Journal of Chemical Information and Modeling, 2016, 56, 2140-2148.	5.4	37
23	Novel membrane mimetic systems based on amphiphilic oxyethylated calix[4]arene: Aggregative and liquid crystalline behavior. Journal of Membrane Science, 2010, 364, 90-101.	8.2	36
24	Cooperative intramolecular hydrogen bond and conformations of thiocalix[4]arene molecules. Russian Chemical Bulletin, 2002, 51, 825-827.	1.5	35
25	Supramolecular systems based on calixarenes. Mendeleev Communications, 2008, 18, 229-237.	1.6	35
26	Complex Formation of dâ€Metal Ions at the Interface of Tb^{III}â€Doped Silica Nanoparticles as a Basis of Substrateâ€Responsive Tb^{III}â€Centered Luminescence. ChemPhysChem, 2012, 13, 3357-3364.	2.1	35
27	Solvent extraction and self-assembly of nanosized aggregates of p-tert-butyl thiacalix[4]arenes tetrasubstituted at the lower rim by tertiary amide groups and monocharged metal cations in the organic phase. Tetrahedron, 2008, 64, 7489-7497.	1.9	34
28	Solution behavior of mixed systems based on novel amphiphilic cyclophanes and Triton X100: Aggregation, cloud point phenomenon and cloud point extraction of lanthanide ions. Journal of Colloid and Interface Science, 2010, 346, 405-413.	9.4	32
29	Dopamine Sensor Based on a Composite of Silver Nanoparticles Implemented in the Electroactive Matrix of Calixarenes. Electroanalysis, 2011, 23, 2281-2289.	2.9	30
30	Molecular tectonics: 3-D organisation of decanuclear silver nanoclusters. Chemical Communications, 2009, , 2514.	4.1	29
31	p-tert-Butyl thiacalix[4]arenes functionalized at the lower rim by amide, hydroxyl and ester groups as anion receptors. Organic and Biomolecular Chemistry, 2011, 9, 3225.	2.8	29
32	Molecular tectonics: pyridyl containing thiacalix[4]arene based tectons for the generation of 2- and 3-D silver coordination networks. Dalton Transactions, 2013, 42, 116-126.	3.3	29
33	Structure-reactivity relationships in terms of the condensed graphs of reactions. Russian Journal of Organic Chemistry, 2014, 50, 459-463.	0.8	29
34	Structural, spectroscopic, FMOs, and non-linear optical properties exploration of three thiacaix(4)arenes derivatives. Arabian Journal of Chemistry, 2022, 15, 103656.	4.9	29
35	Nonregular structureâ€“property relationships for inclusion parameters of tert-butylcalix[5]arene. Organic and Biomolecular Chemistry, 2007, 5, 1472-1478.	2.8	27
36	Increasing permeability of phospholipid bilayer membranes to alanine with synthetic Î±-aminophosphonate carriers. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 2320-2323.	2.2	26

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37	â€˜Click chemistryâ€™ in the synthesis of new amphiphilic 1,3-alternate thiacalixarenes. Mendeleev Communications, 2015, 25, 177-179.	1.6	26
38	Array of fluorescent chemosensors for the molecular recognition of halide anions on the basis of the stereoisomers of thiacalix[4]arene tetranaphthylamides. Mendeleev Communications, 2006, 16, 294-297.	1.6	25
39	Selectivity of solid-contact Ag potentiometric sensors based on thiacalix[4]arene derivatives. Talanta, 2008, 76, 441-447.	5.5	25
40	Synthesis and complexation properties of 1,3-alternate stereoisomers of p-tert-butylthiacalix[4]arenes tetrasubstituted at the lower rim by the phthalimide group. Mendeleev Communications, 2009, 19, 193-195.	1.6	25
41	Structureâ€“reactivity relationship in bimolecular elimination reactions based on the condensed graph of a reaction. Journal of Structural Chemistry, 2015, 56, 1227-1234.	1.0	25
42	Cryptate acidity scales. Solvent polarity effect on ion-pair and free ion acidity of organic compounds. Journal of Physical Organic Chemistry, 1994, 7, 181-191.	1.9	23
43	Supramolecular self-assemblies of stereoisomers of p-tert-butyl thiacalix[4]arenes functionalized with hydrazide groups at the lower rim with some metal cations. Tetrahedron, 2009, 65, 7109-7114.	1.9	23
44	Dual Visible and Near-Infrared Luminescent Silica Nanoparticles. Synthesis and Aggregation Stability. Journal of Physical Chemistry C, 2010, 114, 6350-6355.	3.1	23
45	Phosphorylated amino derivatives of thiacalix[4]arene as membrane carriers: synthesis and hostâ€“guest molecular recognition of amino, hydroxy and dicarboxylic acids. Journal of Physical Organic Chemistry, 2014, 27, 57-65.	1.9	23
46	Bimolecular Nucleophilic Substitution Reactions: Predictive Models for Rate Constants and Molecular Reaction Pairs Analysis. Molecular Informatics, 2019, 38, e1800104.	2.5	23
47	Novel amphiphilic conjugates of p-tert-butylthiacalix[4]arene with 10,12-pentacosadiynoic acid in 1,3-alternate stereoisomeric form. Synthesis and chromatic properties in the presence of metal ions. New Journal of Chemistry, 2018, 42, 2942-2951.	2.8	22
48	Phosphorylation of p-tert-butylthiocalix[4]arene: Reaction with phosphorus trichloride. Tetrahedron Letters, 1999, 40, 8461-8464.	1.4	20
49	One-Step Heterylation at the Upper Rim of Calix[4]arene with 1,2,4-Triazin-5(2H)-ones. Journal of Organic Chemistry, 2006, 71, 8272-8275.	3.2	20
50	â€œClickableâ€•thiacalix[4]arene derivatives bearing polymerizable 1,3-butadiyne fragments: synthesis and incorporation into polydiacetylene vesicles. RSC Advances, 2016, 6, 44873-44877.	3.6	20
51	FT-IR and FT-Raman study of hydrogen bonding in p-alkylcalix[8]arenes. Vibrational Spectroscopy, 2018, 95, 38-43.	2.2	20
52	Assessment of tautomer distribution using the condensed reaction graph approach. Journal of Computer-Aided Molecular Design, 2018, 32, 401-414.	2.9	20
53	The pH-responsive calix[4]resorcinarene-mPEG conjugates bearing acylhydrazone bonds: Synthesis and study of the potential as supramolecular drug delivery systems. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 589, 124453.	4.7	20
54	Title is missing!. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1999, 35, 389-396.	1.6	19

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55	Artificial ion channels. Russian Chemical Reviews, 2003, 72, 1055-1077.	6.5	19
56	Molecular recognition of organic guest vapor by solid adamantylcalix[4]arene. Russian Chemical Bulletin, 2004, 53, 60-65.	1.5	19
57	A first report on ternary complex formation between p-sulfonatothiacalix[4]arene, tetramethylammonium ion and gadolinium (III) ion in aqueous solutions. Inorganic Chemistry Communication, 2005, 8, 821-824.	3.9	19
58	Heterometallic Co^{III}â€“Ln^{III} (Ln = Gd, Tb, Dy) Complexes on a pâ€Sulfonatothiacalix[4]arene Platform Exhibiting Redoxâ€Switchable Metalâ€toâ€Metal Energy Transfer. European Journal of Inorganic Chemistry, 2008, 2008, 3957-3963.	2.0	19
59	p-tert-Butyl thiacalix[4]arenes functionalized at the lower rim by o-, m-, p-amido and o-, m-, p-(amidomethyl)pyridine fragments as receptors for Î±-hydroxy- and dicarboxylic acids. Tetrahedron, 2010, 66, 359-367.	1.9	19
60	Heteroditopic p-tert-butyl thiacalix[4]arenes for creating supramolecular self-assembles by cascade or commutative mechanisms. RSC Advances, 2012, 2, 3906.	3.6	19
61	Proton conductivity of calix[n]arene-para-sulfonic acids (n = 4, 8). Russian Chemical Bulletin, 2012, 61, 1892-1899.	1.5	19
62	Molecular Tectonics: Control of the Dimensionality in Tetramercaptothiacalixarenes Based Coordination Networks. Inorganic Chemistry, 2013, 52, 6776-6778.	4.0	19
63	Molecular tectonics: anion control of dimensionality and connectivity in meta-pyridyl appended tetramercaptotetrathiacalix[4]arene based silver coordination networks. Dalton Transactions, 2014, 43, 158-165.	3.3	19
64	Modeling K+ and Ag+ Complexation by Thiacalix[4]arene Amides Using DFT: The Role of Intramolecular Hydrogen Bonding. Journal of Physical Chemistry A, 2009, 113, 5691-5699.	2.5	18
65	Redox induced pH-switch of Tb(III) centered luminescence of Tb(III) complex with p-sulfonatothiacalix[4]arene. Electrochemistry Communications, 2010, 12, 703-705.	4.7	18
66	Cascade and Commutative Self-Assembles of Nanoscale Three-Component Systems Controlled by the Conformation of Thiacalix[4]arene. Langmuir, 2011, 27, 14053-14064.	3.5	18
67	Thiacalix[4]arene-functionalized vesicles as phosphorescent indicators for pyridoxine detection in aqueous solution. RSC Advances, 2015, 5, 101177-101185.	3.6	18
68	Molecular tectonics: dimensionality and geometry control of silver coordination networks based on pyrazolyl appended thiacalixarenes. CrystEngComm, 2016, 18, 691-703.	2.6	18
69	The supramolecular approach to the phase transfer of carboxylic calixresorcinarene-capped silver nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 524, 127-134.	4.7	18
70	Discrimination of apple juice and herbal liqueur brands with solid-state electrodes covered with polyaniline and thiacalixarenes. Talanta, 2010, 82, 613-619.	5.5	17
71	Phosphorus macrocycles and cryptands. Russian Chemical Bulletin, 2004, 53, 1402-1416.	1.5	16
72	Molecular recognition of chloroform by divergent polymorphic transitions in tert-butylthiacalix[4]arene tetrasubstituted with N-(2-hydroxyethyl)carbamoylmethoxy groups in a lower rim. Mendeleev Communications, 2011, 21, 291-292.	1.6	16

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73	Design of supramolecular biomimetic catalysts of high substrate specificity by noncovalent self-assembly of calix[4]arenes with amphiphilic and polymeric amines. Colloids and Surfaces B: Biointerfaces, 2014, 117, 497-504.	5.0	16
74	Extraction of cesium and americium with p-alkylcalix[8]arenes from alkaline solutions. Radiochemistry, 2016, 58, 381-388.	0.7	16
75	Synthesis of new p-tert-butylcalix[4]arene-based polyammonium triazolyl amphiphiles and their binding with nucleoside phosphates. Beilstein Journal of Organic Chemistry, 2018, 14, 1980-1993.	2.2	16
76	Influence of the guest molecular size on the thermodynamic parameters of hostâ€“guest complexes between solid tert-butylcalix[4]arene and vapours of organic compounds. Mendeleev Communications, 1999, 9, 11-13.	1.6	15
77	Synthesis, structure, and complexation properties of tetraamide derivatives of thiacalix[4]arene in different conformations. Russian Chemical Bulletin, 2005, 54, 2104-2112.	1.5	15
78	Molecular transport in thiacalix[4]arene-modified nanoporous colloidal films. Microporous and Mesoporous Materials, 2010, 131, 378-384.	4.4	15
79	Unusual functionalization of the lower rim of thiacalix[4]arene: competition of alkylation and transalkylation. Russian Chemical Bulletin, 2011, 60, 486-498.	1.5	15
80	Label-free aptasensor for thrombin determination based on the nanostructured phenazine mediator. Talanta, 2012, 102, 156-163.	5.5	15
81	Step-by-step design of novel biomimetic nanoreactors based on amphiphilic calix[4]arene immobilized on polymer or mineral platforms for destruction of ecological toxicants. Chemical Engineering Journal, 2012, 185-186, 285-293.	12.7	15
82	Electrochemical Aptasensor Based on a Macrocyclic Ligand Bearing Neutral Red. Electroanalysis, 2012, 24, 91-100.	2.9	15
83	Cholinesterase Biosensors Based on Screenâ€Printed Electrodes Modified with Coâ€Phtalocyanine and Polycarboxylated Thiacalixarenes. Electroanalysis, 2012, 24, 554-562.	2.9	15
84	Development of â€œstructure-propertyâ€•models in nucleophilic substitution reactions involving azides. Journal of Structural Chemistry, 2014, 55, 1026-1032.	1.0	15
85	Structureâ€“reactivity relationship in Dielsâ€“Alder reactions obtained using the condensed reaction graph approach. Journal of Structural Chemistry, 2017, 58, 650-656.	1.0	15
86	New Amphiphilic Imidazolium/Benzimidazolium Calix[4]arene Derivatives: Synthesis, Aggregation Behavior and Decoration of DPPC Vesicles for Suzuki Coupling in Aqueous Media. Nanomaterials, 2020, 10, 1143.	4.1	15
87	Title is missing!. Combustion, Explosion and Shock Waves, 2002, 38, 525-534.	0.8	14
88	Heterometallic complex formation on p-sulfonatothiacalix[4]arene platform resulting in pH- and redox-modification of [Ru(bpy)3]2+ luminescence. Inorganica Chimica Acta, 2009, 362, 3279-3284.	2.4	14
89	Phosphorus-bridged calixarene phosphites: dramatic influence of a tert-butyl group at the upper rim of the macrocycle upon anion binding. Mendeleev Communications, 2010, 20, 359-360.	1.6	14
90	Using clathrate pseudopolymorphism for a single sensor detection of target component in the headspace of liquid mixture. Sensors and Actuators B: Chemical, 2010, 148, 264-268.	7.8	14

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91	Potentiometric Sensors Based on Polyaniline and Thiacalixarenes for Green Tea Discrimination. Electroanalysis, 2011, 23, 1081-1088.	2.9	14
92	Phenylurea-Equipped p-tert-Butylthiacalix[4]Arenes as the Synthetic Receptors for Monocharged Anions. Mendeleev Communications, 2013, 23, 41-43.	1.6	14
93	Molecular tectonics: p-H-thiacalix[4]arene pyridyl appended positional isomers as tectons for the formation of 1D and 2D mercury coordination networks. Dalton Transactions, 2013, 42, 9946.	3.3	14
94	Binding of l-tryptophan and bovine serum albumin by novel gold nanoparticles capped with amphiphilic sulfonatomethylated calixresorcinarenes. Journal of Molecular Liquids, 2019, 286, 110879.	4.9	14
95	Phosphorylation of p-tert-butylthiacalix[4]arene: reaction with phosphorous triamides. Perkin Transactions II RSC, 2000, , 1741-1744.	1.1	13
96	Chemo- and stereocontrolled alkylation of 1,2-disubstituted at the lower rim 1,2-alternate p-tert-butylthiacalix[4]arene. Mendeleev Communications, 2011, 21, 41-43.	1.6	13
97	Selective transmembrane carriers for hydroxycarboxylic acids: Influence of a macrocyclic calix[4]arene platform. Mendeleev Communications, 2012, 22, 80-82.	1.6	13
98	Molecular tectonics: generation of grid and porous diamondoid coordination networks by calixarene based tectons. CrystEngComm, 2014, 16, 3765-3772.	2.6	13
99	Detection of sulfate surface-active substances via fluorescent response using new amphiphilic thiacalix[4]arenes bearing cationic headgroups with Eosin Y dye. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 515, 41-49.	4.7	13
100	The cooperative effect of the third component on the isotherms of guest vapour inclusion in solid tert-butylcalix[4]arene. Mendeleev Communications, 1997, 7, 215-217.	1.6	12
101	Synthetic receptors for transition metal cations â€“ tetrahydrazides on the basis of p-tert-butylthiacalix[4]arene. Mendeleev Communications, 2006, 16, 248-249.	1.6	12
102	Synthesis of stereoisomers of p-tert-butylthiacalix[4]arenes tetrasubstituted at the lower rim containing secondary amide groups and their complexation with a number of singly charged anions. Russian Chemical Bulletin, 2009, 58, 1007-1014.	1.5	12
103	New membrane carrier for glutamic acid based on p-tert-butylcalix[4]arene 1,3-disubstituted at the lower rim. Mendeleev Communications, 2009, 19, 163-164.	1.6	12
104	Langmuir Monolayers and Thin Films of Amphifilic Thiacalix[4]arenes. Properties and Matrix for the Immobilization of Cytochrome c. Langmuir, 2014, 30, 15153-15161.	3.5	12
105	Calixresorcinarene-capped silver nanoparticles as new supramolecular hybrid nanocontainers. Mendeleev Communications, 2017, 27, 335-337.	1.6	12
106	Polycationic Derivatives of p-tert-Butylthiacalix[4]arene in 1,3-alternate Stereoisomeric Form: New DNA Condensing Agents. Macroheterocycles, 2016, 9, 433-441.	0.5	12
107	Analysis of the spatial structure of calixarenes in solutions by 2-D NMR (NOESY) spectroscopy. Applied Magnetic Resonance, 2006, 30, 165-173.	1.2	11
108	Influence of Nature of Functional Groups on Interaction of Tetrasubstituted at Lower Rim p-tert-Butyl Thiacalix[4]arenes in 1,3-Alternate Configuration with Model Lipid Membranes. Applied Magnetic Resonance, 2011, 40, 231-243.	1.2	11

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109	Silica Nanoparticles with Proton Donor and Proton Acceptor Groups: Synthesis and Aggregation. Silicon, 2011, 3, 5-12.	3.3	11
110	Molecular tectonics: silver coordination networks based on tetramercaptothiacalix[4]arene in 1,3-alternate conformation bearing four nitrile groups. Russian Chemical Bulletin, 2015, 64, 1955-1962.	1.5	11
111	Micelle mediated extraction of americium and europium by calix[4]arene phosphine oxides from nitric acid media. Journal of Radioanalytical and Nuclear Chemistry, 2017, 311, 599-609.	1.5	11
112	Thiacalix[4]monocrowns Substituted by Sulfur-Containing Anchoring Groups: New Ligands for Gold Surface Modification. Macroheterocycles, 2013, 6, 302-307.	0.5	11
113	Synthesis, Structure, and Exctraction Ability of Tetrasubstituted Thiacalix[4]Arenes with Crown Ether Fragments on the Lower Rim. Macroheterocycles, 2012, 5, 17-22.	0.5	11
114	Extraction of technetium(vii) by calix[4]arene tetraketones and tetraesters from acidic and basic media. Russian Chemical Bulletin, 2004, 53, 127-132.	1.5	10
115	The use of a lyotropic liquid-crystalline medium and residual dipolar coupling constants for determination of the spatial structure of thiacalix[4]arenes in solutions. Russian Chemical Bulletin, 2004, 53, 1466-1470.	1.5	10
116	Phosphorylation of p-tert-butyl(thia)calixarenes by ethylene chlorophosphite. Mendeleev Communications, 2012, 22, 21-22.	1.6	10
117	Microwave-assisted Alkylation of p-tert-butylcalix[4]arene Lower Rim: The Effect of Alkyl Halides. Mendeleev Communications, 2013, 23, 113-115.	1.6	10
118	Control of dimensionality in Manganese Coordination Polymers using rigid tetrahedral-shaped [1.1.1.1]metacyclophane ligands bearing benzoate coordinating sites: From homochiral 1D to 3D diamond-like structures. Inorganic Chemistry Communication, 2019, 106, 197-201.	3.9	10
119	Nuclearity control in calix[4]arene-based zinc(‹scp›ii‹/scp›) coordination complexes. CrystEngComm, 2020, 22, 7693-7703.	2.6	10
120	Azocalix[4]arene-Rhodamine Supramolecular Hypoxia-Sensitive Systems: A Search for the Best Calixarene Hosts and Rhodamine Guests. Molecules, 2021, 26, 5451.	3.8	10
121	Synthesis of Photo-Switchable Derivatives of p-tert-Butyl Thiacalix[4]arenes Containing Ethoxycarbonyl and 4-Amidoazobenzene Fragments in the Lower Rim Substituents. Macroheterocycles, 2013, 6, 219-226.	0.5	10
122	Americium and Cesium Extraction from Alkaline Media by Calix[8]arenes with p-tert-Butyl and Isononyl Substituents on the Upper Rim: Aggregation Effect. Macroheterocycles, 2017, 10, 196-202.	0.5	10
123	Azideâ€“Akyne Click Approach to the Preparation of Dendrimerâ€“Type Multi(thia)calix[4]arenes with Triazole Linkers. Macroheterocycles, 2017, 10, 203-214.	0.5	10
124	The First Example of a Ïƒ2Î»2-Dioxaphosphenium Cation, Stabilized by an Intramolecular Dative P+ â†•S Bond. Organic Letters, 2001, 3, 1299-1301.	4.6	9
125	Outer-sphere interactions between octahedral chiral cobalt(iii) complexes and water-soluble calixarenes. Russian Chemical Bulletin, 2004, 53, 1511-1519.	1.5	9
126	Effect of the size of calixarene macrocycle on the thermodynamic parameters of formation of inclusion compounds in guest vaporâ€”solid host systems. Russian Chemical Bulletin, 2004, 53, 1536-1543.	1.5	9

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127	Design and Ionophore Properties of Some Macrocyclic Calixarene-Based Ligands. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2004, 30, 227-244.	1.0	9
128	Synthesis and complexation properties of carbonyl-containing thiacalix[4]arenes. Russian Chemical Bulletin, 2008, 57, 1477-1485.	1.5	9
129	Regioselective alkylation of the lower rim ofp-tert-butylthiacalix[4]arene withN-(p-nitrophenyl)-Î±-bromoacetamide. Supramolecular Chemistry, 2009, 21, 564-571.	1.2	9
130	Interfacial adsorption and stripping of ions as a reason of stimuli responsive luminescence of Tb-doped silica nanoparticles. Materials Chemistry and Physics, 2012, 132, 488-493.	4.0	9
131	Synthesis, structure, and properties of a new representative of the family of calix[4]arene-containing [MnII 2MnIII 2]-clusters. Russian Chemical Bulletin, 2013, 62, 536-542.	1.5	9
132	Conformational diversity and dynamics of distally disubstituted calix and thiacalix[4]arenes in solution. Journal of Physical Organic Chemistry, 2013, 26, 407-414.	1.9	9
133	Synthesis and Characterization of Thiacalix[4]monocrowns Modified by Thioether Groups on the Lower Rim. Phosphorus, Sulfur and Silicon and the Related Elements, 2013, 188, 499-502.	1.6	9
134	Synthesis and structure of lower rim-substituted alkynyl derivatives of thiacalix[4]arene. Russian Journal of Organic Chemistry, 2015, 51, 1334-1342.	0.8	9
135	Unusual nanosized associates of carboxy-calix[4]resorcinarene and cetylpyridinium chloride: the macrocycle as a glue for surfactant micelles. Soft Matter, 2017, 13, 2004-2013.	2.7	9
136	New DNA-sensor based on thiacalix[4]arene-modified polydiacetylene particles. Russian Chemical Bulletin, 2019, 68, 1067-1074.	1.5	9
137	Investigation of hydrogen bonding in p-sulfonatocalix[4]arene and its thermal stability by vibrational spectroscopy. Journal of Molecular Structure, 2019, 1195, 403-410.	3.6	9
138	Vibrational spectra study of p-sulfonatocalix[4]arene containing azobenzene groups. Journal of Molecular Structure, 2020, 1200, 127058.	3.6	9
139	Synthesis of Ag-AgCl nanoparticles capped by calix[4]resorcinarene-mPEG conjugate and their antimicrobial activity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 602, 125124.	4.7	9
140	Photocatalytic properties of supramolecular nanoassociates based on gold and platinum nanoparticles, capped by amphiphilic calix[4]resorcinarenes, towards organic dyes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 596, 124700.	4.7	9
141	Self-Aggregation and Solubilizing Properties of the Supramolecular System Based on Azobenzenesulfonate Calix[4]arene and CTAB. Macroheterocycles, 2017, 10, 454-459.	0.5	9
142	Photophysical and electrochemical properties of the outer-sphere associate of [Ru(bipy)3]2+ with p-sulfonatothiacalix[4]arene. Russian Chemical Bulletin, 2008, 57, 1897-1904.	1.5	8
143	Thiacalix[4] arenes with terminal thiol groups at the lower rim: synthesis and structure. Russian Chemical Bulletin, 2009, 58, 145-151.	1.5	8
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