

# Petra CuÅÃ-novÃ;

## List of Publications by Year in descending order

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60  
papers

817  
citations

623188

14  
h-index

610482

24  
g-index

61  
all docs

61  
docs citations

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times ranked

875  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel anion receptors based on thiacalix[4]arene derivatives. <i>Tetrahedron</i> , 2004, 60, 11383-11390.	1.0	73
2	Chiral Recognition of Anions. <i>Topics in Current Chemistry</i> , 0, , 31-63.	4.0	70
3	Various Extraction Methods for Obtaining Stilbenes from Grape Cane of <i>Vitis vinifera</i> L.. <i>Molecules</i> , 2015, 20, 6093-6112.	1.7	54
4	Synthesis and <sup>1</sup> H NMR Complexation Study of Thiacalix[4]arene Tetraacetates. <i>Collection of Czechoslovak Chemical Communications</i> , 2000, 65, 757-771.	1.0	50
5	Unusual stoichiometry of urea-derivatized calix[4]arenes induced by anion complexation. <i>Tetrahedron Letters</i> , 2005, 46, 4469-4472.	0.7	46
6	Separation of racemic compound by nanofibrous composite membranes with chiral selector. <i>Journal of Membrane Science</i> , 2020, 596, 117728.	4.1	30
7	Systematic approach to new ligands for anion recognition based on ureido-calix[4]arenes. <i>New Journal of Chemistry</i> , 2008, 32, 1597.	1.4	29
8	Anion recognition by diureido-calix[4]arenes in the 1,3-alternate conformation. <i>New Journal of Chemistry</i> , 2009, 33, 612.	1.4	25
9	Multivalent Bifunctional Carbosilane Dendrimer-Supported Ammonium and Phosphonium Organocatalysts for the Coupling of CO <sub>2</sub> and Epoxides. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11692-11703.	3.2	23
10	Stability testing of resveratrol and viniferin obtained from <i>Vitis vinifera</i> L. by various extraction methods considering the industrial viewpoint. <i>Scientific Reports</i> , 2020, 10, 5564.	1.6	21
11	Regioselective upper rim substitution of calix[4]arenes. <i>Tetrahedron</i> , 2011, 67, 5213-5218.	1.0	20
12	Synthesis and in vitro cytotoxicity of acetylated 3-fluoro, 4-fluoro and 3,4-difluoro analogs of D-glucosamine and D-galactosamine. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 750-759.	1.3	20
13	Phosphonium carbosilane dendrimers for biomedical applications – synthesis, characterization and cytotoxicity evaluation. <i>RSC Advances</i> , 2017, 7, 18724-18744.	1.7	20
14	Preparation of PSEBS membranes bearing (S)-(âˆ“)-methylbenzylamine as chiral selector. <i>European Polymer Journal</i> , 2020, 122, 109381.	2.6	17
15	Anion binding by meta ureido-substituted thiacalix[4]arenes. <i>Tetrahedron</i> , 2011, 67, 8367-8372.	1.0	16
16	Evaluation of toxicological and teratogenic effects of carbosilane glucose glycodendrimers in zebrafish embryos and model rodent cell lines. <i>Nanotoxicology</i> , 2018, 12, 797-818.	1.6	15
17	Oxidative Photocyclization of Aromatic Schiff Bases in Synthesis of Phenanthridines and Other Aza-PAHs. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5868.	1.8	15
18	Unexpected behaviour of monospirothiacalix[4]arene under acidic conditions. <i>Tetrahedron Letters</i> , 2009, 50, 6347-6350.	0.7	13

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19	Binding of neutral molecules by p-nitrophenylureido substituted calix[4]arenes. Tetrahedron, 2010, 66, 8047-8050.	1.0	13
20	Chiral anion recognition by a ureido-thiacalix[4]arene ligand immobilized in the 1,3-alternate conformation. New Journal of Chemistry, 2015, 39, 1382-1389.	1.4	12
21	Calix[4]arenes containing a ureido functionality on the lower rim as highly efficient receptors for anion recognition. New Journal of Chemistry, 2016, 40, 7935-7942.	1.4	11
22	Improving cytotoxic properties of ferrocenes by incorporation of saturated N-heterocycles. Journal of Organometallic Chemistry, 2017, 846, 141-151.	0.8	11
23	Anion receptors based on intramolecularly bridged calix[4]arenes bearing ureido functions. Tetrahedron, 2017, 73, 742-749.	1.0	10
24	Stereoselectivity in Glycosylation with Deoxofluorinated Glucosazide and Galactosazide Thiodonors. Journal of Organic Chemistry, 2019, 84, 6405-6431.	1.7	10
25	Method for determination of optical purity of 2-aryloxypropanoic acids using urea derivatives based on a 1,1'-binaphthalene skeleton as chiral NMR solvating agents: Advantages and limitations thereof. Chirality, 2019, 31, 410-417.	1.3	10
26	Synthesis and fluxional behaviour of new heavy fluorinated cyclopentadienes. Journal of Organometallic Chemistry, 2010, 695, 537-545.	0.8	9
27	Characterization of polyphenols from plant materials through their silylation and <sup>29</sup> Si NMR spectroscopy—line assignment through <sup>29</sup> Si, <sup>13</sup> C spin-spin couplings. Magnetic Resonance in Chemistry, 2005, 43, 829-834.	1.1	8
28	Anion receptors based on ureidocalix[4]arenes immobilised in the partial cone conformation. New Journal of Chemistry, 2013, 37, 220-227.	1.4	8
29	Self-assembly of 5,11,17,23-tetranitro-25,26,27,28-tetramethoxythiacalix[4]arene with neutral molecules and its use for anion recognition. Tetrahedron, 2013, 69, 1397-1402.	1.0	8
30	Direct C-H azidation of calix[4]arene as a novel method to access meta substituted derivatives. Tetrahedron Letters, 2015, 56, 5357-5361.	0.7	8
31	C,N-Chelated organotin azides: synthesis, structure and use within click chemistry. New Journal of Chemistry, 2016, 40, 5808-5817.	1.4	8
32	Use of remote acyl groups for stereoselective 1,2-cis-glycosylation with fluorinated glucosazide thiodonors. Organic and Biomolecular Chemistry, 2020, 18, 5427-5434.	1.5	8
33	Selectively Deoxyfluorinated N-Acetylglucosamine Analogues as <sup>19</sup> F NMR Probes to Study Carbohydrate-Galectin Interactions. Chemistry - A European Journal, 2021, 27, 13040-13051.	1.7	8
34	Infrared laser radiation-produced TiO-doped Si/SiOx/SiO <sub>2</sub> nanocomposite—Entry to TiO-containing materials. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 332, 376-383.	2.0	7
35	Enantioselective complexation of 1-phenylethanol with chiral compounds bearing urea moiety. Chirality, 2018, 30, 798-806.	1.3	7
36	Imidazolium Based Fluorous N-Heterocyclic Carbenes as Effective and Recyclable Organocatalysts for Redox Esterification. European Journal of Organic Chemistry, 2020, 2020, 3591-3598.	1.2	7

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37	Stereoselective synthesis of optical isomers of ethyl 4-chloro-3-hydroxybutyrate in a microfluidic chip reactor. <i>Journal of Flow Chemistry</i> , 2019, 9, 221-230.	1.2	6
38	Complexation of cathinones by 4-tert-butylcalix[4]arene tetra-acetate as a possible technique for forensic analysis. <i>Forensic Toxicology</i> , 2020, 38, 70-78.	1.4	6
39	Sulphonamidic Groups as Electron-Withdrawing Units in Ureido-Based Anion Receptors: Enhanced Anion Complexation versus Deprotonation. <i>ChemPlusChem</i> , 2020, 85, 1401-1411.	1.3	6
40	Development of $\beta$ -Selective Glycosylation for the Synthesis of Deoxyfluorinated T <sub>N</sub> Antigen Analogues. <i>Journal of Organic Chemistry</i> , 2021, 86, 5073-5090.	1.7	6
41	Carbosilane Glycodendrimers for Anticancer Drug Delivery: Synthetic Route, Characterization, and Biological Effect of Glycodendrimer-Doxorubicin Complexes. <i>Biomacromolecules</i> , 2022, 23, 276-290.	2.6	6
42	Synthesis and fluorophilicity of compounds with tris(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silyl substituent. <i>Journal of Fluorine Chemistry</i> , 2015, 178, 23-29.	0.9	5
43	Thermal reactions in mixtures of micron-sized silicon monoxide and titanium monoxide: redox paths overcoming passivation shells. <i>Research on Chemical Intermediates</i> , 2018, 44, 503-516.	1.3	5
44	Thermal properties of novel oligoether-substituted ionic liquids and the influence of alkyl-substituent isomery. <i>Fluid Phase Equilibria</i> , 2020, 514, 112561.	1.4	5
45	Calcium Hydroxide Effect in Degradation of Aqueous Naphthalene: Nucleophilic Substitution of Hydrogen at the C(sp <sup>2</sup> )-H Bond. <i>Polycyclic Aromatic Compounds</i> , 2021, 41, 841-850.	1.4	5
46	Synthesis of multiply fluorinated <i>N</i> -acetyl-D-glucosamine and D-galactosamine analogs via the corresponding deoxyfluorinated glucosazide and galactosazide phenyl thioglycosides. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 1086-1095.	1.3	5
47	ESI-TOF mass spectrometry of cationic carbosilane dendrimers: A potent tool for characterization of structural defects. <i>Journal of Mass Spectrometry</i> , 2018, 53, 986-996.	0.7	4
48	Transport of Anions across the Dialytic Membrane Induced by Complexation toward Dendritic Receptors. <i>ACS Omega</i> , 2021, 6, 15514-15522.	1.6	4
49	The effect of deoxyfluorination and <i>O</i> -acylation on the cytotoxicity of <i>N</i> -acetyl- <i>D</i> -gluco- and <i>D</i> -galactosamine hemiacetals. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 4497-4506.	1.5	4
50	Nitro group as a redox switch in urea-based receptors of anions. <i>Journal of Electroanalytical Chemistry</i> , 2021, 902, 115816.	1.9	4
51	Poly(imidazolium) Carbosilane Dendrimers: Synthesis, Catalytic Activity in Redox Esterification of $\beta$ , $\beta$ -Unsaturated Aldehydes and Recycling via Organic Solvent Nanofiltration. <i>Catalysts</i> , 2021, 11, 1317.	1.6	4
52	Unexpected formation of disulfide-based biscalix[4]arenes. <i>Tetrahedron</i> , 2016, 72, 760-766.	1.0	3
53	CW-Laser-Induced Solid-State Reactions in Mixed Micron-Sized Particles of Silicon Monoxide and Titanium Monoxide: Nano-Structured Composite with Visible Light Absorption. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017, 27, 1640-1648.	1.9	3
54	Chiral Nafion membranes prepared by strong electrostatic binding of multiply positively charged $\beta$ -cyclodextrin derivatives for tryptophan racemic mixtures separation. <i>Materials Today Communications</i> , 2021, 27, 102234.	0.9	3

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55	Controlled Anchoring of (Phenylureido)sulfonamide-Based Receptor Moieties: An Impact of Binding Site Multiplication on Complexation Properties. <i>Molecules</i> , 2021, 26, 5670.	1.7	3
56	Chiral anion recognition using calix[4]arene-based ureido receptors in a <i>1,3-alternate</i> conformation. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 2999-3007.	1.3	3
57	A Novel Calix[4]arene-Dipyrrole Conjugate Designed for Complexation of Ion Pairs. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2007, 62, 439-446.	0.3	2
58	Adaptive Synthesis of Functional Amphiphilic Dendrons as a Novel Approach to Artificial Supramolecular Objects. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2114.	1.8	2
59	Structurally Forced Ion Binding Affinity: Tetraureaâ€Based Macrocyclic Receptor forÂlon Pair. <i>European Journal of Organic Chemistry</i> , 0, , .	1.2	2
60	Design and Electrochemical Investigation of Ureido-Sulfonamidic Receptors for Phosphates. <i>ECS Meeting Abstracts</i> , 2021, MA2021-01, 1707-1707.	0.0	0