

Leo Frkanec

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

45
papers

1,059
citations

18
h-index

31
g-index

50
ext. papers

1,167
ext. citations

4.2
avg. IF

4.02
L-index

#	Paper	IF	Citations
45	Bis(PheOH) maleic acid amide-fumaric acid amide photoisomerization induces microsphere-to-gel fiber morphological transition: the photoinduced gelation system. <i>Journal of the American Chemical Society</i> , 2002 , 124, 9716-7	16.4	160
44	Chiral bis(amino acid)- and bis(amino alcohol)-oxalamide gelators. Gelation properties, self-assembly motifs and chirality effects. <i>Chemical Communications</i> , 2010 , 46, 522-37	5.8	97
43	Biomedical potentials of crown ethers: prospective antitumor agents. <i>ChemMedChem</i> , 2008 , 3, 1478-92	3.7	79
42	Adamantane in Drug Delivery Systems and Surface Recognition. <i>Molecules</i> , 2017 , 22,	4.8	65
41	Calix. <i>Chemistry - A European Journal</i> , 2000 , 6, 442-53	4.8	60
40	Photoinduced gelation by stilbene oxalyl amide compounds. <i>Langmuir</i> , 2005 , 21, 2754-60	4	55
39	Gels with exceptional thermal stability formed by bis(amino acid) oxalamide gelators and solvents of low polarity. <i>Chemical Communications</i> , 2002 , 2238-9	5.8	49
38	Antitumor potential of crown ethers: structure-activity relationships, cell cycle disturbances, and cell death studies of a series of ionophores. <i>Journal of Medicinal Chemistry</i> , 2007 , 50, 1007-18	8.3	48
37	Positionally isomeric organic gelators: structure-gelation study, racemic versus enantiomeric gelators, and solvation effects. <i>Chemistry - A European Journal</i> , 2010 , 16, 3066-82	4.8	37
36	Gelation Ability of Novel Oxamide-Based Derivatives Bearing a Stilbene as a Photo-Responsive Unit. <i>European Journal of Organic Chemistry</i> , 2006 , 2006, 1323-1334	3.2	35
35	The enantioselective transport of Z-amino acid (Z = benzyloxycarbonyl) and dipeptide K ⁺ carboxylates by dipeptide derived lariat ethers. <i>Journal of the Chemical Society Chemical Communications</i> , 1990 , 1726-1728		30
34	Thermodynamic study of dihydrogen phosphate dimerisation and complexation with novel urea- and thiourea-based receptors. <i>Chemistry - A European Journal</i> , 2014 , 20, 15863-71	4.8	28
33	An Integrated approach (thermodynamic, structural, and computational) to the study of complexation of alkali-metal cations by a lower-rim calix[4]arene amide derivative in acetonitrile. <i>Inorganic Chemistry</i> , 2012 , 51, 6264-78	5.1	27
32	Lipophilic derivative of rhodamine 19: characterization and spectroscopic properties. <i>Analytica Chimica Acta</i> , 2002 , 468, 13-25	6.6	27
31	Surface modified liposomes by mannosylated conjugates anchored via the adamantyl moiety in the lipid bilayer. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012 , 1818, 2252-9	3.8	20
30	The effect of specific solvent-solute interactions on complexation of alkali-metal cations by a lower-rim calix[4]arene amide derivative. <i>Inorganic Chemistry</i> , 2013 , 52, 12702-12	5.1	19
29	Entrapment of peptidoglycans and adamantyltripeptides into liposomes: an HPLC assay for determination of encapsulation efficiency. <i>Journal of Liposome Research</i> , 2003 , 13, 279-94	6.1	19

28	Hydrogen Bonding and Solvent Effects on Complexation of Alkali Metal Cations by Lower Rim Calix[4]arene Tetra(O-[N-acetyl-D-phenylglycine methyl ester]) Derivative. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2005 , 53, 263-268		19
27	Fluorescent phenanthridine-based calix[4]arene derivatives: synthesis and thermodynamic and computational studies of their complexation with alkali-metal cations. <i>RSC Advances</i> , 2015 , 5, 23900-23914	3.7	16
26	Surface-enhanced Raman scattering on molecular self-assembly in nanoparticle-hydrogel composite. <i>Langmuir</i> , 2006 , 22, 9079-81	4	15
25	Synthesis and cation binding properties of fluorescent calix[4]arene derivatives bearing tryptophan units at the lower rim. <i>Supramolecular Chemistry</i> , 2011 , 23, 389-397	1.8	13
24	Voltammetric investigation of iron(III) complexes with siderophore chrysobactin in aqueous solution. <i>Electrochimica Acta</i> , 2012 , 59, 479-484	6.7	12
23	Extraction and complexation of alkali and alkaline earth metal cations by lower-rim calix[4]arene diethylene glycol amide derivatives. <i>New Journal of Chemistry</i> , 2015 , 39, 6099-6107	3.6	12
22	Oxalyl retro-peptide gelators. Synthesis, gelation properties and stereochemical effects. <i>Beilstein Journal of Organic Chemistry</i> , 2010 , 6, 945-59	2.5	10
21	Thermodynamics of Complexation of Alkali Metal Cations by a Lower-Rim Calix[4]arene Amino Acid Derivative. <i>Journal of Solution Chemistry</i> , 2010 , 39, 835-848	1.8	10
20	Dipeptide-derived lariat ethers as enantioselective carriers of Z-amino acid and dipeptide carboxylates. <i>Supramolecular Chemistry</i> , 1992 , 1, 47-58	1.8	10
19	Complexation of fluoride anion and its ion pairs with alkali metal cations by tetra-substituted lower rim calix[4]arene tryptophan derivative. <i>Supramolecular Chemistry</i> , 2016 , 28, 608-615	1.8	9
18	Surface-enhanced Raman scattering on colloid gels originated from low molecular weight gelator. <i>Journal of Raman Spectroscopy</i> , 2008 , 39, 1799-1804	2.3	9
17	Antibody-based donor-acceptor spatial reconfiguration in decorated lanthanide-doped nanoparticle colloids for the quantification of okadaic acid biotoxin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 135, 481-489	6	8
16	Design and syntheses of mono and multivalent mannosyl-lipoconjugates for targeted liposomal drug delivery. <i>International Journal of Pharmaceutics</i> , 2016 , 511, 44-56	6.5	8
15	A comprehensive study of the complexation of alkali metal cations by lower rim calix[4]arene amide derivatives. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 24316-24329	3.6	8
14	Complexation of Oxonium and Ammonium Ions by Lower-rim Calix[4]arene Amino Acid Derivatives. <i>Croatica Chemica Acta</i> , 2012 , 85, 541-552	0.8	8
13	Dehydroacetic Acid Derivatives Bearing Amide or Urea Moieties as Effective Anion Receptors. <i>Chemistry - A European Journal</i> , 2017 , 23, 10396-10406	4.8	6
12	Nitrile Cluster Compounds [(M ₆ X ₁₂)X ₂ (RCN) ₄] (M=Nb, Ta; X=Cl, Br; R=Et, n-Pr, n-Bu). <i>Journal of Cluster Science</i> , 2002 , 13, 215-222	3	6
11	Synthesis, characterization and in vitro biocompatibility assessment of a novel tripeptide hydrogelator, as a promising scaffold for tissue engineering applications. <i>Biomaterials Science</i> , 2016 , 4, 1412-6	7.4	5

10	ESI MS/MS Study of Calix[4]arene Derivatives and their Metal Complexes. <i>Croatica Chemica Acta</i> , 2012 , 85, 469-477	0.8	5
9	Functional self-assembled nanovesicles based on β -cyclodextrin, liposomes and adamantyl guanidines as potential nonviral gene delivery vectors. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 4640-4651	3.9	4
8	Application of functionalized lanthanide-based nanoparticles for the detection of okadaic acid-specific immunoglobulin G. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 1259-64	3.4	4
7	Neutral glycoconjugated amide-based calix[4]arenes: complexation of alkali metal cations in water. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 904-912	3.9	3
6	Supramolecular ionogels prepared with bis(amino alcohol)oxamides as gelators: ionic transport and mechanical properties.. <i>RSC Advances</i> , 2020 , 10, 17070-17078	3.7	1
5	Adamantyl ferrocene derivatives: Antioxidant abilities and effects on model lipid membranes. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4042	3.1	1
4	Solvation Effect on Complexation of Alkali Metal Cations by a Calix[4]arene Ketone Derivative. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 8539-8550	3.4	1
3	Syntheses of ester and amide derivatives of calix[6]arene and their complexation affinities towards La ³⁺ , Eu ³⁺ , and Yb ³⁺ . <i>Supramolecular Chemistry</i> , 2019 , 31, 723-731	1.8	0
2	The Metal Effect on Self-Assembling of Oxalamide Gelators Explored by Mass Spectrometry and DFT Calculations. <i>Journal of the American Society for Mass Spectrometry</i> , 2018 , 29, 103-113	3.5	0
1	(R,S)-3-Carb-oxy-2-(isoquinolinium-2-yl)propanoate monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, o1427		