Leo Frkanec

List of Publications by Year in Descending Order

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	Supramolecular ionogels prepared with bis(amino alcohol)oxamides as gelators: ionic transport and mechanical properties.. *RSC Advances*, **2020**, 10, 17070-17078	3.7	1
44	Functional self-assembled nanovesicles based on Ecyclodextrin, liposomes and adamantyl guanidines as potential nonviral gene delivery vectors. *Organic and Biomolecular Chemistry*, **2019**, 17, 4640-4651	3.9	4
43	Syntheses of ester and amide derivatives of calix[6]arene and their complexation affinities towards La3+, Eu3+, and Yb3+. *Supramolecular Chemistry*, **2019**, 31, 723-731	1.8	0
42	Adamantyl ferrocene derivatives: Antioxidant abilities and effects on model lipid membranes. *Applied Organometallic Chemistry*, **2018**, 32, e4042	3.1	1
41	Neutral glycoconjugated amide-based calix[4]arenes: complexation of alkali metal cations in water. *Organic and Biomolecular Chemistry*, **2018**, 16, 904-912	3.9	3
40	The Metal Effect on Self-Assembling of Oxalamide Gelators Explored by Mass Spectrometry and DFT Calculations. *Journal of the American Society for Mass Spectrometry*, **2018**, 29, 103-113	3.5	0
39	Dehydroacetic Acid Derivatives Bearing Amide or Urea Moieties as Effective Anion Receptors. *Chemistry - A European Journal*, **2017**, 23, 10396-10406	4.8	6
38	A comprehensive study of the complexation of alkali metal cations by lower rim calix[4]arene amide derivatives. *Physical Chemistry Chemical Physics*, **2017**, 19, 24316-24329	3.6	8
37	Solvation Effect on Complexation of Alkali Metal Cations by a Calix[4]arene Ketone Derivative. *Journal of Physical Chemistry B*, **2017**, 121, 8539-8550	3.4	1
36	Adamantane in Drug Delivery Systems and Surface Recognition. *Molecules*, **2017**, 22,	4.8	65
35	Synthesis, characterization and in vitro biocompatibility assessment of a novel tripeptide hydrogelator, as a promising scaffold for tissue engineering applications. *Biomaterials Science*, **2016** , 4, 1412-6	7.4	5
34	Design and syntheses of mono and multivalent mannosyl-lipoconjugates for targeted liposomal drug delivery. *International Journal of Pharmaceutics*, **2016**, 511, 44-56	6.5	8
33	Complexation of fluoride anion and its ion pairs with alkali metal cations by tetra-substituted lower rim calix[4]arene tryptophan derivative. *Supramolecular Chemistry*, **2016**, 28, 608-615	1.8	9
32	Fluorescent phenanthridine-based calix[4]arene derivatives: synthesis and thermodynamic and computational studies of their complexation with alkali-metal cations. *RSC Advances*, **2015**, 5, 23900-23914	3.7	16
31	Antibody-based donor-acceptor spatial reconfiguration in decorated lanthanide-doped nanoparticle colloids for the quantification of okadaic acid biotoxin. *Colloids and Surfaces B: Biointerfaces*, **2015**, 135, 481-489	6	8
30	Extraction and complexation of alkali and alkaline earth metal cations by lower-rim calix[4]arene diethylene glycol amide derivatives. *New Journal of Chemistry*, **2015**, 39, 6099-6107	3.6	12
29	Application of functionalized lanthanide-based nanoparticles for the detection of okadaic acid-specific immunoglobulin G. *Journal of Physical Chemistry B*, **2015**, 119, 1259-64	3.4	4

28	Thermodynamic study of dihydrogen phosphate dimerisation and complexation with novel urea- and thiourea-based receptors. *Chemistry - A European Journal*, **2014**, 20, 15863-71	4.8	28
27	The effect of specific solvent-solute interactions on complexation of alkali-metal cations by a lower-rim calix[4]arene amide derivative. *Inorganic Chemistry*, **2013**, 52, 12702-12	5.1	19
26	Voltammetric investigation of iron(III) complexes with siderophore chrysobactin in aqueous solution. *Electrochimica Acta*, **2012**, 59, 479-484	6.7	12
25	Surface modified liposomes by mannosylated conjugates anchored via the adamantyl moiety in the lipid bilayer. *Biochimica Et Biophysica Acta - Biomembranes*, **2012**, 1818, 2252-9	3.8	20
24	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. *Inorganic Chemistry*, **2012**, 51, 6264-78	5.1	27
23	ESI MS/MS Study of Calix[4]arene Derivatives and their Metal Complexes. *Croatica Chemica Acta*, **2012**, 85, 469-477	0.8	5
22	Complexation of Oxonium and Ammonium Ions by Lower-rim Calix[4]arene Amino Acid Derivatives. *Croatica Chemica Acta*, **2012**, 85, 541-552	0.8	8
21	Synthesis and cation binding properties of fluorescent calix[4]arene derivatives bearing tryptophan units at the lower rim. *Supramolecular Chemistry*, **2011**, 23, 389-397	1.8	13
20	Oxalyl retro-peptide gelators. Synthesis, gelation properties and stereochemical effects. *Beilstein Journal of Organic Chemistry*, **2010**, 6, 945-59	2.5	10
19	(R,S)-3-Carb-oxy-2-(isoquinolinium-2-yl)propanoate monohydrate. *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 66, o1427		
18	Chiral bis(amino acid)- and bis(amino alcohol)-oxalamide gelators. Gelation properties, self-assembly motifs and chirality effects. *Chemical Communications*, **2010**, 46, 522-37	5.8	97
17	Thermodynamics of Complexation of Alkali Metal Cations by a Lower-Rim Calix[4]arene Amino Acid Derivative. *Journal of Solution Chemistry*, **2010**, 39, 835-848	1.8	10
16	Positionally isomeric organic gelators: structure-gelation study, racemic versus enantiomeric gelators, and solvation effects. *Chemistry - A European Journal*, **2010**, 16, 3066-82	4.8	37
15	Surface-enhanced Raman scattering on colloid gels originated from low molecular weight gelator. *Journal of Raman Spectroscopy*, **2008**, 39, 1799-1804	2.3	9
14	Biomedical potentials of crown ethers: prospective antitumor agents. *ChemMedChem*, **2008**, 3, 1478-92	3.7	79
13	Antitumor potential of crown ethers: structure-activity relationships, cell cycle disturbances, and cell death studies of a series of ionophores. *Journal of Medicinal Chemistry*, **2007**, 50, 1007-18	8.3	48
12	Gelation Ability of Novel Oxamide-Based Derivatives Bearing a Stilbene as a Photo-Responsive Unit. *European Journal of Organic Chemistry*, **2006**, 2006, 1323-1334	3.2	35
11	Surface-enhanced Raman scattering on molecular self-assembly in nanoparticle-hydrogel composite. *Langmuir*, **2006**, 22, 9079-81	4	15

10	Photoinduced gelation by stilbene oxalyl amide compounds. *Langmuir*, **2005**, 21, 2754-60	4	55
9	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. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2005**, 53, 263-268		19
8	Entrapment of peptidoglycans and adamantyltripeptides into liposomes: an HPLC assay for determination of encapsulation efficiency. *Journal of Liposome Research*, **2003**, 13, 279-94	6.1	19
7	Lipophilic derivative of rhodamine 19: characterization and spectroscopic properties. *Analytica Chimica Acta*, **2002**, 468, 13-25	6.6	27
6	Nitrile Cluster Compounds [(M6X12)X2(RCN)4] (M=Nb, Ta; X=Cl, Br; R=Et, n-Pr, n-Bu). *Journal of Cluster Science*, **2002**, 13, 215-222	3	6
5	Bis(PheOH) maleic acid amide-fumaric acid amide photoizomerization induces microsphere-to-gel fiber morphological transition: the photoinduced gelation system. *Journal of the American Chemical Society*, **2002**, 124, 9716-7	16.4	160
4	Gels with exceptional thermal stability formed by bis(amino acid) oxalamide gelators and solvents of low polarity. *Chemical Communications*, **2002**, 2238-9	5.8	49
3	Calix. *Chemistry - A European Journal*, **2000**, 6, 442-53	4.8	60
2	Dipeptide-derived lariat ethers as enantioselective carriers of Z-amino acid and dipeptide carboxylates. *Supramolecular Chemistry*, **1992**, 1, 47-58	1.8	10
1	The enantioselective transport of Z-amino acid (Z = benzyloxycarbonyl) and dipeptide K+ carboxylates by dipeptide derived lariat ethers. *Journal of the Chemical Society Chemical Communications*, **1990**, 1726-1728		30