

Vladimr Setnicka

List of Publications by Citations

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42
papers

653
citations

15
h-index

24
g-index

42
ext. papers

715
ext. citations

3.1
avg, IF

3.63
L-index

#	Paper	IF	Citations
42	Measurements of concentration dependence and enantiomeric purity of terpene solutions as a test of a new commercial VCD spectrometer. <i>Chirality</i> , 2000 , 12, 199-203	2.1	73
41	Investigation of guanosine-quartet assemblies by vibrational and electronic circular dichroism spectroscopy, a novel approach for studying supramolecular entities. <i>Chemistry - A European Journal</i> , 2006 , 12, 8735-43	4.8	55
40	Vibrational circular dichroism of tetraphenylporphyrin in peptide complexes? A computational study. <i>Chirality</i> , 2000 , 12, 191-8	2.1	49
39	Noncovalent interactions of peptides with porphyrins in aqueous solution: conformational study using vibrational CD spectroscopy. <i>Biopolymers</i> , 2001 , 60, 307-16	2.2	44
38	Molecular structure of guanine-quartet supramolecular assemblies in a gel-state based on a DFT calculation of infrared and vibrational circular dichroism spectra. <i>Langmuir</i> , 2008 , 24, 7520-7	4	39
37	(3R,4S)-4-(4-Fluorophenyl)-3-hydroxymethyl-1-methylpiperidine: conformation and structure monitoring by vibrational circular dichroism. <i>Journal of Organic Chemistry</i> , 2002 , 67, 161-8	4.2	34
36	New chiral porphyrin/brucine gelator characterized by methods of circular dichroism. <i>Tetrahedron</i> , 2005 , 61, 5499-5506	2.4	25
35	Analysis of human blood plasma and hen egg white by chiroptical spectroscopic methods (ECD, VCD, ROA). <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 5441-53	4.4	20
34	Interactions of cyclodextrins with aromatic compounds studied by vibrational circular dichroism spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2002 , 58, 2983-9	4.4	20
33	Planar Chiral Flavinium Salts: Synthesis and Evaluation of the Effect of Substituents on the Catalytic Efficiency in Enantioselective Sulfoxidation Reactions. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 7724-7738	3.2	19
32	The minimizing of fluorescence background in Raman optical activity and Raman spectra of human blood plasma. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 1335-42	4.4	18
31	The potential of chiroptical and vibrational spectroscopy of blood plasma for the discrimination between colon cancer patients and the control group. <i>Analyst, The</i> , 2015 , 140, 2287-93	5	17
30	Conformational study of melectin and antapin antimicrobial peptides in model membrane environments. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 170, 247-55	4.4	16
29	Determination of molecular structure of bisphenylene homologues of BINOL-based phosphoramidites by chiroptical methods. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 10717-25	2.8	16
28	Product of alaptide synthesis: determination of the absolute configuration. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010 , 53, 958-61	3.5	16
27	Identification of spectral biomarkers for type 1 diabetes mellitus using the combination of chiroptical and vibrational spectroscopy. <i>Analyst, The</i> , 2015 , 140, 2266-72	5	15
26	The complexation of metal cations by D-galacturonic acid: a spectroscopic study. <i>Carbohydrate Research</i> , 2004 , 339, 2391-405	2.9	15

25	Methylone and pentylone: structural analysis of new psychoactive substances. <i>Forensic Toxicology</i> , 2019 , 37, 366-377	2.6	14
24	Search for biomarkers of Alzheimer's disease: Recent insights, current challenges and future prospects. <i>Clinical Biochemistry</i> , 2019 , 72, 39-51	3.5	13
23	Plasma amyloid beta levels and platelet mitochondrial respiration in patients with Alzheimer's disease. <i>Clinical Biochemistry</i> , 2019 , 72, 71-80	3.5	13
22	Structure determination of butylone as a new psychoactive substance using chiroptical and vibrational spectroscopies. <i>Chirality</i> , 2018 , 30, 548-559	2.1	13
21	Can chiroptical spectroscopy be used for the analysis of blood plasma?. <i>Chirality</i> , 2012 , 24, 951-5	2.1	13
20	Diagnosis of pancreatic cancer via H NMR metabolomics of human plasma. <i>Analyst, The</i> , 2018 , 143, 5974-5978	1.1	
19	Chiroptical spectroscopy and metabolomics for blood-based sensing of pancreatic cancer. <i>Chirality</i> , 2018 , 30, 581-591	2.1	10
18	Cocaine Hydrochloride Structure in Solution Revealed by Three Chiroptical Methods. <i>ChemPhysChem</i> , 2017 , 18, 2258-2265	3.2	10
17	Blood-based molecular signature of Alzheimer's disease via spectroscopy and metabolomics. <i>Clinical Biochemistry</i> , 2019 , 72, 58-63	3.5	8
16	Conformational flexibility of Corey lactone derivatives indicated by absorption and vibrational circular dichroism spectra. <i>Journal of Organic Chemistry</i> , 2004 , 69, 26-32	4.2	8
15	Synthesis, absolute configuration and in vitro cytotoxicity of deschloroketamine enantiomers: rediscovered and abused dissociative anaesthetic. <i>New Journal of Chemistry</i> , 2018 , 42, 19360-19368	3.6	8
14	Cationic oligopeptides with the repeating sequence L-lysyl-L-alanyl-L-alanine: conformational and thermal stability study using optical spectroscopic methods. <i>Journal of Peptide Science</i> , 2009 , 15, 533-9	2.1	7
13	Vibrational and electronic circular dichroism as powerful tools for the conformational analysis of cationic antimicrobial peptides. <i>Monatshefte Für Chemie</i> , 2016 , 147, 1439-1445	1.4	6
12	Structure of heroin in a solution revealed by chiroptical spectroscopy. <i>Chirality</i> , 2020 , 32, 854-865	2.1	5
11	Chiroptical and vibrational spectroscopic study of genuine and counterfeit medicines containing tadalafil. <i>Chirality</i> , 2018 , 30, 560-567	2.1	4
10	Oligopeptide-porphyrin interactions studied by circular dichroism spectroscopy: the effect of metalloporphyrin axial ligands on peptide matrix conformation. <i>Journal of Porphyrins and Phthalocyanines</i> , 2008 , 12, 1270-1278	1.8	4
9	Structural spectroscopic study of enantiomerically pure synthetic cathinones and their major metabolites. <i>New Journal of Chemistry</i> , 2021 , 45, 850-860	3.6	4
8	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	2.6	3

7	Early Detection of Pancreatic Cancer in Type 2 Diabetes Mellitus Patients Based on H NMR Metabolomics. <i>Journal of Proteome Research</i> , 2021 , 20, 1744-1753	5.6	3
6	Electronic circular dichroism for the detection of microalbuminuria. <i>Chirality</i> , 2018 , 30, 576-580	2.1	2
5	Structural analysis of MDMA in solution by methods of chiroptical spectroscopy supported by DFT calculations. <i>Vibrational Spectroscopy</i> , 2021 , 114, 103255	2.1	2
4	Comparison of genuine, generic and counterfeit Cialis tablets using vibrational spectroscopy and statistical methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 206, 114383	3.5	1
3	Chiroptical Spectroscopy of Biofluids 2018 , 429-465		0
2	Ecstasy tablets: Rapid identification and determination of enantiomeric excess of MDMA. <i>Forensic Chemistry</i> , 2021 , 26, 100381	2.8	0
1	Reply to Comments by Pescitelli and Bruhn on "Cocaine Hydrochloride Structure in Solution Revealed by Three Chiroptical Methods". <i>ChemPhysChem</i> , 2017 , 18, 2552	3.2	