## VladimÃ-r SetniÄka

List of Publications by Year in descending order

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471371 580701 42 816 17 25 citations h-index g-index papers 42 42 42 891 all docs docs citations times ranked citing authors

#	Article	IF	CITATIONS
1	Structural spectroscopic study of enantiomerically pure synthetic cathinones and their major metabolites. New Journal of Chemistry, 2021, 45, 850-860.	1.4	10
2	Early Detection of Pancreatic Cancer in Type 2 Diabetes Mellitus Patients Based on $\langle \sup 1 / \sup H   NMR Metabolomics$ . Journal of Proteome Research, 2021, 20, 1744-1753.	1.8	14
3	Structural analysis of MDMA in solution by methods of chiroptical spectroscopy supported by DFT calculations. Vibrational Spectroscopy, 2021, 114, 103255.	1.2	2
4	Comparison of genuine, generic and counterfeit Cialis tablets using vibrational spectroscopy and statistical methods. Journal of Pharmaceutical and Biomedical Analysis, 2021, 206, 114383.	1.4	4
5	Ecstasy tablets: Rapid identification and determination of enantiomeric excess of MDMA. Forensic Chemistry, 2021, 26, 100381.	1.7	4
6	Complexation of cathinones by 4-tert-butylcalix[4] arene tetra-acetate as a possible technique for forensic analysis. Forensic Toxicology, 2020, 38, 70-78.	1.4	6
7	Structure of heroin in a solution revealed by chiroptical spectroscopy. Chirality, 2020, 32, 854-865.	1.3	7
8	Methylone and pentylone: structural analysis of new psychoactive substances. Forensic Toxicology, 2019, 37, 366-377.	1.4	19
9	Blood-based molecular signature of Alzheimer's disease via spectroscopy and metabolomics. Clinical Biochemistry, 2019, 72, 58-63.	0.8	20
10	Search for biomarkers of Alzheimerâ€s disease: Recent insights, current challenges and future prospects. Clinical Biochemistry, 2019, 72, 39-51.	0.8	17
11	Plasma amyloid beta levels and platelet mitochondrial respiration in patients with Alzheimer's disease. Clinical Biochemistry, 2019, 72, 71-80.	0.8	23
12	Chiroptical spectroscopy and metabolomics for bloodâ€based sensing of pancreatic cancer. Chirality, 2018, 30, 581-591.	1.3	19
13	Chiroptical and vibrational spectroscopic study of genuine and counterfeit medicines containing tadalafil. Chirality, 2018, 30, 560-567.	1.3	4
14	Electronic circular dichroism for the detection of microalbuminuria. Chirality, 2018, 30, 576-580.	1.3	2
15	Structure determination of butylone as a new psychoactive substance using chiroptical and vibrational spectroscopies. Chirality, 2018, 30, 548-559.	1.3	16
16	Synthesis, absolute configuration and <i>in vitro</i> cytotoxicity of deschloroketamine enantiomers: rediscovered and abused dissociative anaesthetic. New Journal of Chemistry, 2018, 42, 19360-19368.	1.4	14
17	Chiroptical Spectroscopy of Biofluids. , 2018, , 429-465.		4
18	Diagnosis of pancreatic cancer <i>via</i> <sup>1</sup> H NMR metabolomics of human plasma. Analyst, The, 2018, 143, 5974-5978.	1.7	23

#	Article	IF	CITATIONS
19	Reply to Comments by Pescitelli and Bruhn on "Cocaine Hydrochloride Structure in Solution Revealed by Three Chiroptical Methods― ChemPhysChem, 2017, 18, 2552-2552.	1.0	O
20	Cocaine Hydrochloride Structure in Solution Revealed by Three Chiroptical Methods. ChemPhysChem, 2017, 18, 2258-2265.	1.0	15
21	Conformational study of melectin and antapin antimicrobial peptides in model membrane environments. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 170, 247-255.	2.0	19
22	Vibrational and electronic circular dichroism as powerful tools for the conformational analysis of cationic antimicrobial peptides. Monatshefte FA¼r Chemie, 2016, 147, 1439-1445.	0.9	7
23	Identification of spectral biomarkers for type 1 diabetes mellitus using the combination of chiroptical and vibrational spectroscopy. Analyst, The, 2015, 140, 2266-2272.	1.7	21
24	The minimizing of fluorescence background in Raman optical activity and Raman spectra of human blood plasma. Analytical and Bioanalytical Chemistry, 2015, 407, 1335-1342.	1.9	26
25	The potential of chiroptical and vibrational spectroscopy of blood plasma for the discrimination between colon cancer patients and the control group. Analyst, The, 2015, 140, 2287-2293.	1.7	21
26	Analysis of human blood plasma and hen egg white by chiroptical spectroscopic methods (ECD, VCD,) Tj ETQq(	0 0 0 rgBT /	Overlock 10 T
27	Planar Chiral Flavinium Salts: Synthesis and Evaluation of the Effect of Substituents on the Catalytic Efficiency in Enantioselective Sulfoxidation Reactions. European Journal of Organic Chemistry, 2013, 2013, 7724-7738.	1.2	25
28	Can Chiroptical Spectroscopy be Used for the Analysis of Blood Plasma?. Chirality, 2012, 24, 951-955.	1.3	16
29	Product of alaptide synthesis: Determination of the absolute configuration. Journal of Pharmaceutical and Biomedical Analysis, 2010, 53, 958-961.	1.4	16
30	Cationic oligopeptides with the repeating sequence Lâ€lysylâ€Lâ€alanylâ€Lâ€alanine: conformational and thermal stability study using optical spectroscopic methods. Journal of Peptide Science, 2009, 15, 533-539.	0.8	7
31	Determination of Molecular Structure of Bisphenylene Homologues of BINOL-Based Phosphoramidites by Chiroptical Methods. Journal of Physical Chemistry A, 2009, 113, 10717-10725.	1.1	17
32	Oligopeptide-porphyrin interactions studied by circular dichroism spectroscopy: the effect of metalloporphyrin axial ligands on peptide matrix conformation. Journal of Porphyrins and Phthalocyanines, 2008, 12, 1270-1278.	0.4	4
33	Molecular Structure of Guanine-Quartet Supramolecular Assemblies in a Gel-State Based on a DFT Calculation of Infrared and Vibrational Circular Dichroism Spectra. Langmuir, 2008, 24, 7520-7527.	1.6	42
34	Investigation of Guanosine-Quartet Assemblies by Vibrational and Electronic Circular Dichroism Spectroscopy, a Novel Approach for Studying Supramolecular Entities. Chemistry - A European Journal, 2006, 12, 8735-8743.	1.7	60
35	New chiral porphyrin–brucine gelator characterized by methods of circular dichroism. Tetrahedron, 2005, 61, 5499-5506.	1.0	28
36	The complexation of metal cations by d-galacturonic acid: a spectroscopic study. Carbohydrate Research, 2004, 339, 2391-2405.	1.1	17

#	ARTICLE	lF	CITATION
37	Conformational Flexibility of Corey Lactone Derivatives Indicated by Absorption and Vibrational Circular Dichroism Spectra. Journal of Organic Chemistry, 2004, 69, 26-32.	1.7	9
38	(3R,4S)-4-(4-Fluorophenyl)-3-hydroxymethyl-1-methylpiperidine:Â Conformation and Structure Monitoring by Vibrational Circular Dichroism. Journal of Organic Chemistry, 2002, 67, 161-168.	1.7	35
39	Interactions of cyclodextrins with aromatic compounds studied by vibrational circular dichroism spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2002, 58, 2983-2989.	2.0	20
40	Noncovalent interactions of peptides with porphyrins in aqueous solution: Conformational study using vibrational CD spectroscopy. Biopolymers, 2001, 60, 307-316.	1.2	45
41	Vibrational circular dichroism of tetraphenylporphyrin in peptide complexes? A computational study. , 2000, 12, 191-198.		51
42	Measurements of concentration dependence and enantiomeric purity of terpene solutions as a test of a new commercial VCD spectrometer., 2000, 12, 199-203.		80