

# Vladimr Setnicka

## List of Publications by Year in Descending Order

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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.

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	Structural analysis of MDMA in solution by methods of chiroptical spectroscopy supported by DFT calculations. <i>Vibrational Spectroscopy</i> , <b>2021</b> , 114, 103255	2.1	2
41	Structural spectroscopic study of enantiomerically pure synthetic cathinones and their major metabolites. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 850-860	3.6	4
40	Early Detection of Pancreatic Cancer in Type 2 Diabetes Mellitus Patients Based on H NMR Metabolomics. <i>Journal of Proteome Research</i> , <b>2021</b> , 20, 1744-1753	5.6	3
39	Comparison of genuine, generic and counterfeit Cialis tablets using vibrational spectroscopy and statistical methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2021</b> , 206, 114383	3.5	1
38	Ecstasy tablets: Rapid identification and determination of enantiomeric excess of MDMA. <i>Forensic Chemistry</i> , <b>2021</b> , 26, 100381	2.8	0
37	Structure of heroin in a solution revealed by chiroptical spectroscopy. <i>Chirality</i> , <b>2020</b> , 32, 854-865	2.1	5
36	Complexation of cathinones by 4-tert-butylcalix[4]arene tetra-acetate as a possible technique for forensic analysis. <i>Forensic Toxicology</i> , <b>2020</b> , 38, 70-78	2.6	3
35	Methylone and pentylone: structural analysis of new psychoactive substances. <i>Forensic Toxicology</i> , <b>2019</b> , 37, 366-377	2.6	14
34	Blood-based molecular signature of Alzheimer's disease via spectroscopy and metabolomics. <i>Clinical Biochemistry</i> , <b>2019</b> , 72, 58-63	3.5	8
33	Search for biomarkers of Alzheimer's disease: Recent insights, current challenges and future prospects. <i>Clinical Biochemistry</i> , <b>2019</b> , 72, 39-51	3.5	13
32	Plasma amyloid beta levels and platelet mitochondrial respiration in patients with Alzheimer's disease. <i>Clinical Biochemistry</i> , <b>2019</b> , 72, 71-80	3.5	13
31	Chiroptical spectroscopy and metabolomics for blood-based sensing of pancreatic cancer. <i>Chirality</i> , <b>2018</b> , 30, 581-591	2.1	10
30	Chiroptical and vibrational spectroscopic study of genuine and counterfeit medicines containing tadalafil. <i>Chirality</i> , <b>2018</b> , 30, 560-567	2.1	4
29	Electronic circular dichroism for the detection of microalbuminuria. <i>Chirality</i> , <b>2018</b> , 30, 576-580	2.1	2
28	Structure determination of butylone as a new psychoactive substance using chiroptical and vibrational spectroscopies. <i>Chirality</i> , <b>2018</b> , 30, 548-559	2.1	13
27	Synthesis, absolute configuration and in vitro cytotoxicity of deschloroketamine enantiomers: rediscovered and abused dissociative anaesthetic. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 19360-19368	3.6	8
26	Chiroptical Spectroscopy of Biofluids <b>2018</b> , 429-465		0

25	Diagnosis of pancreatic cancer viaH NMR metabolomics of human plasma. <i>Analyst, The</i> , <b>2018</b> , 143, 5974-5978	11
24	Reply to Comments by Pescitelli and Bruhn on "Cocaine Hydrochloride Structure in Solution Revealed by Three Chiroptical Methods". <i>ChemPhysChem</i> , <b>2017</b> , 18, 2552	3.2
23	Cocaine Hydrochloride Structure in Solution Revealed by Three Chiroptical Methods. <i>ChemPhysChem</i> , <b>2017</b> , 18, 2258-2265	3.2 10
22	Conformational study of melectin and antapin antimicrobial peptides in model membrane environments. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 170, 247-55	4.4 16
21	Vibrational and electronic circular dichroism as powerful tools for the conformational analysis of cationic antimicrobial peptides. <i>Monatshefte Für Chemie</i> , <b>2016</b> , 147, 1439-1445	1.4 6
20	Identification of spectral biomarkers for type 1 diabetes mellitus using the combination of chiroptical and vibrational spectroscopy. <i>Analyst, The</i> , <b>2015</b> , 140, 2266-72	5 15
19	The minimizing of fluorescence background in Raman optical activity and Raman spectra of human blood plasma. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 1335-42	4.4 18
18	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> , <b>2015</b> , 140, 2287-93	5 17
17	Analysis of human blood plasma and hen egg white by chiroptical spectroscopic methods (ECD, VCD, ROA). <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 5441-53	4.4 20
16	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> , <b>2013</b> , 2013, 7724-7738	3.2 19
15	Can chiroptical spectroscopy be used for the analysis of blood plasma?. <i>Chirality</i> , <b>2012</b> , 24, 951-5	2.1 13
14	Product of alaptide synthesis: determination of the absolute configuration. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2010</b> , 53, 958-61	3.5 16
13	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> , <b>2009</b> , 15, 533-9	2.1 7
12	Determination of molecular structure of bisphenylene homologues of BINOL-based phosphoramidites by chiroptical methods. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 10717-25	2.8 16
11	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> , <b>2008</b> , 12, 1270-1278	1.8 4
10	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> , <b>2008</b> , 24, 7520-7	4 39
9	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> , <b>2006</b> , 12, 8735-43	4.8 55
8	New chiral porphyrinBrucine gelator characterized by methods of circular dichroism. <i>Tetrahedron</i> , <b>2005</b> , 61, 5499-5506	2.4 25

7	The complexation of metal cations by D-galacturonic acid: a spectroscopic study. <i>Carbohydrate Research</i> , <b>2004</b> , 339, 2391-405	2.9	15
6	Conformational flexibility of Corey lactone derivatives indicated by absorption and vibrational circular dichroism spectra. <i>Journal of Organic Chemistry</i> , <b>2004</b> , 69, 26-32	4.2	8
5	Interactions of cyclodextrins with aromatic compounds studied by vibrational circular dichroism spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2002</b> , 58, 2983-9	4.4	20
4	(3R,4S)-4-(4-Fluorophenyl)-3-hydroxymethyl-1-methylpiperidine: conformation and structure monitoring by vibrational circular dichroism. <i>Journal of Organic Chemistry</i> , <b>2002</b> , 67, 161-8	4.2	34
3	Noncovalent interactions of peptides with porphyrins in aqueous solution: conformational study using vibrational CD spectroscopy. <i>Biopolymers</i> , <b>2001</b> , 60, 307-16	2.2	44
2	Vibrational circular dichroism of tetraphenylporphyrin in peptide complexes? A computational study. <i>Chirality</i> , <b>2000</b> , 12, 191-8	2.1	49
1	Measurements of concentration dependence and enantiomeric purity of terpene solutions as a test of a new commercial VCD spectrometer. <i>Chirality</i> , <b>2000</b> , 12, 199-203	2.1	73