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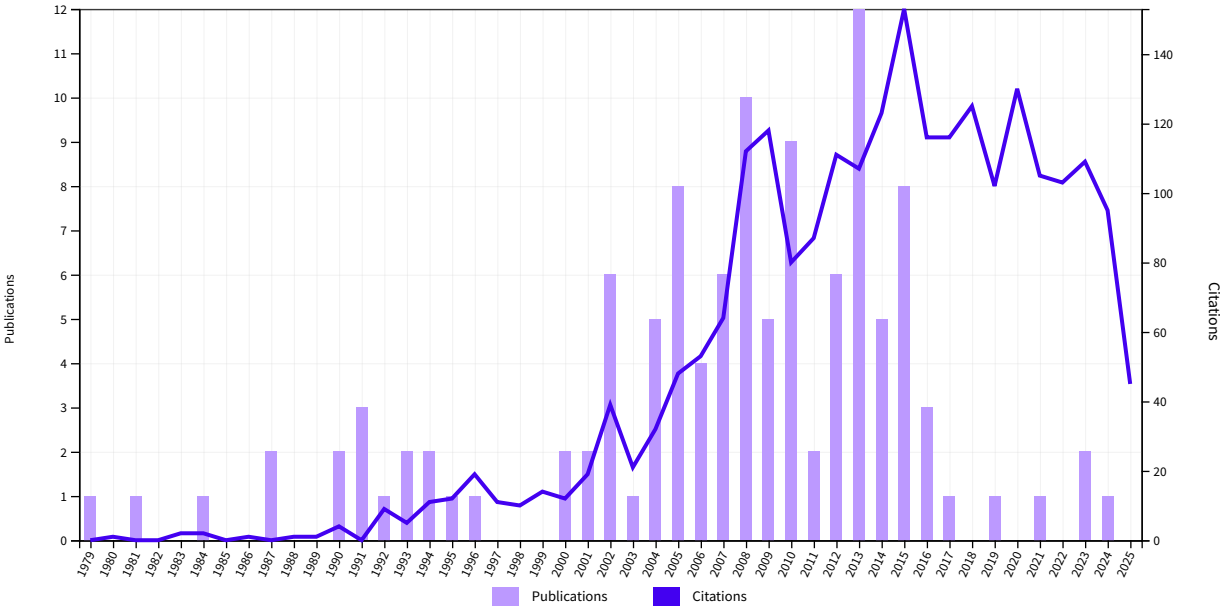
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Total	105	103	109	95	45	50.61	2,328
Determination of the absolute configurations of natural products via density functional theory calculations of	4	8	0	4	2	5.26	100

⊖ 1	vibrational circular dichroism, electronic circular dichroism and optical rotation:: The schizozygane alkaloid schizozygine Stephens, P.J ; Pan, J.J ; (...); Hájíček, J Mar 30 2007 JOURNAL OF ORGANIC CHEMISTRY ▼ 72 (7) , pp.2508-2524							
⊖ 2	Determination of molecular structure in solution using vibrational circular dichroism spectroscopy:: the supramolecular tetramer of S-2,2'-dimethyl-biphenyl-6,6'-dicarboxylic acid Urbanová, M ; Setnická, V ; (...); Stephens, P.J May 11 2005 JOURNAL OF THE AMERICAN CHEMICAL SOCIETY ▼ 127 (18) , pp.6700-6711	0	1	2	1	0	4.38	92
⊖ 3	Vibrational circular dichroism of 1,1'-binaphthyl derivatives: Experimental and theoretical study Setnická, V ; Urbanová, M ; (...); Volka, K Oct 4 2001 JOURNAL OF PHYSICAL CHEMISTRY A ▼ 105 (39) , pp.8931-8938	2	2	1	2	0	3.36	84
⊖ 4	Measurements of concentration dependence and enantiomeric purity of terpene solutions as a test of a new commercial VCD spectrometer Urbanová, M ; Setnická, V and Volka, K 7th International Conference on Circular Dichroism (CD 99) 2000 CHIRALITY ▼ 12 (4) , pp.199-203	3	1	6	0	0	3	78
⊖ 5	Antibacterial C-geranylflavonoids from <i>Paulownia tomentosa</i> fruits Smejkal, K ; Chudík, S ; (...); Dvorská, M Apr 2008 JOURNAL OF NATURAL PRODUCTS ▼ 71 (4) , pp.706-709	5	8	5	3	2	4.06	73
⊖ 6	COMPARISON OF AND LIMITS OF ACCURACY FOR STATISTICAL-ANALYSES OF VIBRATIONAL AND ELECTRONIC CIRCULAR-DICHROISM SPECTRA IN TERMS OF CORRELATIONS TO AND PREDICTIONS OF PROTEIN SECONDARY STRUCTURE PANCOSKA, P ; BITTO, E ; (...); KEIDERLING, T.A Jul 1995 PROTEIN SCIENCE ▼ 4 (7) , pp.1384-1401	0	1	0	1	0	2.29	71
⊖ 7	Determining the Absolute Configuration of Two Marine Compounds Using Vibrational Chiroptical Spectroscopy Hopmann, K.H ; Sebestík, J ; (...); Ruud, K Jan 20 2012 JOURNAL OF ORGANIC CHEMISTRY ▼ 77 (2) , pp.858-869	3	5	3	1	0	4.71	66

8	Determination of Absolute Configuration and Conformation of a Cyclic Dipeptide by NMR and Chiral Spectroscopic Methods Li, XJ; Hopmann, KH; (...); Ruud, K Feb 28 2013 JOURNAL OF PHYSICAL CHEMISTRY A ▼ 117 (8) , pp.1721-1736	4	11	2	3	0	4.69	61
9	Determination of the absolute configurations of natural products via density functional theory calculations of vibrational circular dichroism, electronic circular dichroism, and optical rotation:: The iso-schizozygane alkaloids isoschizogaline and isoschizogamine Stephens, PJ; Pan, JJ; (...); Hájíček, J Mar 2008 CHIRALITY ▼ 20 (3-4) , pp.454-470	0	1	0	1	0	3.33	60
10	The location of the high- and low-affinity bilirubin-binding sites on serum albumin: Ligand-competition analysis investigated by circular dichroism Goncharova, J; Orlov, S and Urbanová, M Oct-nov 2013 BIOPHYSICAL CHEMISTRY ▼ 180 , pp.55-65	3	1	9	3	0	4.46	58
11	Cytotoxic Activities of Several Geranyl-Substituted Flavanones Smejkal, K; Svacinová, J; (...); Dolezal, K Apr 2010 JOURNAL OF NATURAL PRODUCTS ▼ 73 (4) , pp.568-572	4	3	4	2	1	3.5	56
12	Investigation of guanosine-quartet assemblies by vibrational and electronic circular dichroism spectroscopy, a novel approach for studying supramolecular entities Setnicka, V; Urbanova, M; (...); Lehn, JM Nov 24 2006 CHEMISTRY-A EUROPEAN JOURNAL ▼ 12 (34) , pp.8735-8743	3	1	2	3	0	2.75	55
13	COMPARISON OF ALPHA-LACTALBUMIN AND LYSOZYME USING VIBRATIONAL CIRCULAR-DICHROISM - EVIDENCE FOR A DIFFERENCE IN CRYSTAL AND SOLUTION STRUCTURES URBANOVA, M; DUKOR, RK; (...); KEIDERLING, TA Oct 29 1991 BIOCHEMISTRY ▼ 30 (43) , pp.10479-10485	1	1	0	1	0	1.43	50
14	Minor C-geranylated flavanones from <i>Paulownia tomentosa</i> fruits with MRSA antibacterial activity Navrátilová, A; Schneiderová, K; (...); Smejkal, K May 2013 PHYTOCHEMISTRY ▼ 89 , pp.104-113	4	4	5	2	3	3.69	48

15	Functional helquats: helical cationic dyes with marked, switchable chiroptical properties in the visible region Reyes-Gutiérrez, PE; Jirásek, M; (...); Teply, F 2015 CHEMICAL COMMUNICATIONS ▼ 51 (9) , pp.1583-1586	2	3	4	3	1	4.18	46
16	Vibrational circular dichroism of tetraphenylporphyrin in peptide complexes? A computational study Bour, P; Záruba, K; (...); Volka, K 7th International Conference on Circular Dichroism (CD 99) 2000 CHIRALITY ▼ 12 (4) , pp.191-198	0	1	0	1	0	1.77	46
17	Noncovalent interactions of peptides with porphyrins in aqueous solution:: Conformational study using vibrational CD spectroscopy Urbanová, M; Setnicka, V; (...); Volka, K 2001 BIOPOLYMERS ▼ 60 (4) , pp.307-316	2	0	0	1	0	1.76	44
18	Molecular structure of guanine-quartet supramolecular assemblies in a gel-state based on a DFT calculation of infrared and vibrational circular dichroism spectra Setnicka, V; Novy, J; (...); Volka, K Jul 15 2008 LANGMUIR ▼ 24 (14) , pp.7520-7527	2	0	1	0	0	2.11	38
19	Evaluation of Cytotoxic Activity of <i>Schisandra chinensis</i> Lignans Smejkal, K; Slapetová, T; (...); Urbanová, M Oct 2010 PLANTA MEDICA ▼ 76 (15) , pp.1672-1677	1	1	2	3	3	2.13	34
20	Resolution of a configurationally stable [5]helquat: enantiocomposition analysis of a helicene congener by capillary electrophoresis Severa, I; Koval, D; (...); Teply, F 2010 NEW JOURNAL OF CHEMISTRY ▼ 34 (6) , pp.1063-1067	1	1	1	0	0	2.13	34
21	Bioinspired Interactions Studied by Vibrational Circular Dichroism Urbanová, M 2009 CHIRALITY ▼ 21 (1E) , pp.E215-E230	0	4	4	1	1	2	34
		5	4	4	2	1	2.75	33

⊖ 22	Insight into the Structural and Biological Relevance of the T/R Transition of the N-Terminus of the B-Chain in Human Insulin Kosinová, L; Veverka, V; (...); Záková, L Jun 3 2014 BIOCHEMISTRY ▼ 53 (21) , pp.3392-3402							
⊖ 23	[6]Saddlequat: a [6]helquat captured on its racemization pathway Adriaenssens, L; Severa, L; (...); Teply, F 2011 CHEMICAL SCIENCE ▼ 2 (12) , pp.2314-2320	1	1	0	0	0	2.2	33
⊖ 24	SPECTROSCOPIC STUDY OF THE TEMPERATURE-DEPENDENT CONFORMATION OF GLUCOAMYLASE URBANOVA, M; PANCOSKA, P and KEIDERLING, TA Dec 8 1993 BIOCHIMICA ET BIOPHYSICA ACTA ▼ 1203 (2) , pp.290-294	0	0	1	0	0	1	33
⊖ 25	Isoquinoline Alkaloids from <i>Fumaria officinalis</i> L. and Their Biological Activities Related to <i>Alzheimer's</i> Disease Chlebek, J; Novák, Z; (...); Cahliková, L Jan 2016 CHEMISTRY & BIODIVERSITY ▼ 13 (1) , pp.91-99	3	6	1	3	2	3.1	31
⊖ 26	CH Stretching Region: Computational Modeling of Vibrational Optical Activity Hudecová, J; Profant, V; (...); Bour, P Jul 2013 JOURNAL OF CHEMICAL THEORY AND COMPUTATION ▼ 9 (7) , pp.3096-3108	3	3	2	3	1	2.38	31
⊖ 27	(3<i>R</i>,4<i>S</i>)-4-(4-fluorophenyl)-3-hydroxymethyl-1-methylpiperidine: Conformation and structure monitoring by vibrational circular dichroism Bour, P; Navrátilová, H; (...); Volka, K Jan 11 2002 JOURNAL OF ORGANIC CHEMISTRY ▼ 67 (1) , pp.161-168	0	0	0	0	0	1.29	31
⊖ 28	EMPIRICAL-STUDIES OF PROTEIN SECONDARY STRUCTURE BY VIBRATIONAL CIRCULAR-DICHOISM AND RELATED TECHNIQUES - ALPHA-LACTALBUMIN AND LYSOZYME AS EXAMPLES KEIDERLING, TA; WANG, BL; (...); DUKOR, RK Discussion Meeting on Vibration Optical Activity - From Fundamentals to Biological Applications 1994 FARADAY DISCUSSIONS ▼ 99 , pp.263-285	0	0	0	0	0	0.94	30

29	New insight into the role of a base in the mechanism of imine transfer hydrogenation on a Ru(II) half-sandwich complex Kuzma, M; Václavík, J; (...); Kacer, P 2013 DALTON TRANSACTIONS ▼ 42 (14) , pp.5174-5182	1	0	1	0	0	2.23	29
30	Vibrational and electronic circular dichroism study of bile pigments: Complexes of bilirubin and biliverdin with metals Goncharova, I and Urbanová, M Sep 1 2009 ANALYTICAL BIOCHEMISTRY ▼ 392 (1) , pp.28-36	3	2	2	1	0	1.71	29
31	Troger's base scaffold in racemic and chiral fashion as a spacer for bisdistamycin formation. Synthesis and DNA binding study Valík, M; Malina, J; (...); Kral, V Sep 4 2006 TETRAHEDRON ▼ 62 (36) , pp.8591-8600	0	0	0	1	0	1.45	29
32	The Biological Effects of Bilirubin Photoisomers Jasprova, J; Dal Ben, M; (...); Vitek, L Feb 1 2016 PLOS ONE ▼ 11 (2)	6	3	2	3	0	2.7	27
33	New chiral porphyrin-brucine gelator characterized by methods of circular dichroism Kráš, V; Pataridis, S; (...); Volka, K Jun 6 2005 TETRAHEDRON ▼ 61 (23) , pp.5499-5506	0	0	1	0	0	1.29	27
34	Stereoselective bile pigment binding to polypeptides and albumins: a circular dichroism study Goncharova, I and Urbanová, M Dec 2008 ANALYTICAL AND BIOANALYTICAL CHEMISTRY ▼ 392 (7-8) , pp.1355-1365	1	0	3	1	0	1.44	26
35	Absolute Configuration of a Cyclic Dipeptide Reflected in Vibrational Optical Activity: Ab Initio and Experimental Investigation Li, XJ; Hopmann, KH; (...); Ruud, K Mar 15 2012 JOURNAL OF PHYSICAL CHEMISTRY A ▼ 116 (10) , pp.2554-2563	2	2	2	0	0	1.79	25
		3	1	1	2	2	1.14	25

36	The complexation of metal cations by D-galacturonic acid:: a spectroscopic study Synytsya, A; Urbanová, M; (...); Volka, K Oct 4 2004 CARBOHYDRATE RESEARCH ▼ 339 (14) , pp.2391-2405							
37	MODELS OF PIGMENT PROTEIN INTERACTIONS IN PHOTOSYNTHETIC SYSTEMS - TETRAPHENYLPORPHYRIN COMPLEXES WITH POLYCATIONIC SEQUENTIAL POLYPEPTIDES - ABSORPTION, CIRCULAR-DICHROISM AND FLUORESCENCE PROPERTIES PANCOSKA, P; URBANOVA, M; (...); KRÁL, M Nov 1 1990 CHEMICAL PHYSICS ▼ 147 (2-3) , pp.401-413	0	0	0	0	0	0.67	24
38	Synthesis and chiroptical properties of enantiopure tricyclo[4.3.0.0^{3,8}]nonane-4,5-dione (twistbrendanedione) Butkus, E; Zilinskas, A; (...); Volka, K Apr 19 2002 TETRAHEDRON-ASYMMETRY ▼ 13 (6) , pp.633-638	1	0	1	0	1	0.96	23
39	Plasmon-Assisted Chemistry Using Chiral Gold Helicoids: Toward Asymmetric Organic Catalysis Bainova, P; Joly, JP; (...); Lyutakov, O Sep 19 2023 ACS CATALYSIS ▼ 13 (19) , pp.12859-12867	0	0	1	13	8	7.33	22
40	Chiral recognition of bilirubin and biliverdin in liposomes and micelles Novotná, P; Králík, F and Urbanová, M Oct 2015 BIOPHYSICAL CHEMISTRY ▼ 205 , pp.41-50	5	1	3	3	0	2	22
41	Sol-gel phase transition of brucine-appended porphyrin gelator:: a study by vibrational circular dichroism spectroscopy Setnicka, V; Urbanová, M; (...); Volka, K Dec 9 2002 TETRAHEDRON-ASYMMETRY ▼ 13 (24) , pp.2661-2666	0	0	1	0	0	0.88	21
42	Conformational study of melectin and antapin antimicrobial peptides in model membrane environments Kocourková, L; Novotná, P; (...); Setnicka, V Jan 5 2017 SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY ▼ 170 , pp.247-255	1	4	1	1	1	2.22	20

43	Tomentomimulol and mimulone B: Two new C-geranylated flavonoids from Paulownia tomentosa fruits Schneiderová, K; Slapetová, T; (...); Smejkal, K Apr 1 2013 NATURAL PRODUCT RESEARCH ▼ 27 (7) , pp.613-618	2	2	2	0	0	1.54	20
44	Formation and temperature stability of G-quadruplex structures studied by electronic and vibrational circular dichroism spectroscopy combined with ab initio calculations Nový, J; Böhm, S; (...); Urbanová, M Feb 2008 BIOPOLYMERS ▼ 89 (2) , pp.144-152	2	1	0	0	0	1.11	20
45	Vibrational circular dichroism study of polypeptide model-membrane systems Novotná, P and Urbanová, M Aug 15 2012 ANALYTICAL BIOCHEMISTRY ▼ 427 (2) , pp.211-218	1	1	1	0	0	1.36	19
46	Comparison of the Electronic and Vibrational Optical Activity of a Europium(III) Complex Wu, T; Hudecová, J; (...); Bour, P Apr 7 2015 CHEMISTRY-A EUROPEAN JOURNAL ▼ 21 (15) , pp.5807-5813	1	1	4	1	1	1.64	18
47	Vibrational and electronic circular dichroism and absorption spectral study of the DNA-5,10,15,20-tetrakis(1-methylpyridinium-4-yl)porphyrin interaction Nový, J; Urbanová, M and Volka, K Jun 30 2005 JOURNAL OF MOLECULAR STRUCTURE ▼ 748 (1-3) , pp.17-25	0	0	0	0	0	0.86	18
48	Interactions of cyclodextrins with aromatic compounds studied by vibrational circular dichroism spectroscopy Setnická, V; Urbanová, M; (...); Volka, K Nov 2002 SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY ▼ 58 (13) , pp.2983-2989	0	0	0	0	0	0.75	18
49	Circular dichroism study of the interaction between mutagens and bilirubin bound to different binding sites of serum albumins Orlov, S; Goncharova, I and Urbanová, M	0	0	2	1	0	1.42	17

May 21 2014 SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY ▾ 126 , pp.68-75							

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