

Josef CvaÄka

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4114995/publications.pdf>

Version: 2024-02-01

180
papers

4,340
citations

109321

35
h-index

175258

52
g-index

188
all docs

188
docs citations

188
times ranked

5672
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of Synthetic and Natural Derivatives of Flavonoids Using Suzuki–Miyaura Cross-Coupling Reaction. <i>Molecules</i> , 2022, 27, 967.	3.8	6
2	Utility of Atmospheric-Pressure Chemical Ionization and Photoionization Mass Spectrometry in Bottom-Up Proteomics. <i>Separations</i> , 2022, 9, 42.	2.4	3
3	MALDI Mass Spectrometry Imaging of Lipids on Brain Sections and Immunohistochemically Colocalized Markers of Neurodegeneration. <i>Methods in Molecular Biology</i> , 2022, 2437, 229-239.	0.9	1
4	Post-eclosion temperature effects on insect cuticular hydrocarbon profiles. <i>Ecology and Evolution</i> , 2021, 11, 352-364.	1.9	13
5	One-Pot Synthesis of 2,5-Dihydrosiloles and Their Silole-Annulated Analogs Starting from Alkynylsilanes with a Terminal Alkynyl Group. <i>Journal of Organic Chemistry</i> , 2021, 86, 3871-3881.	3.2	4
6	Sweet taste of heavy water. <i>Communications Biology</i> , 2021, 4, 440.	4.4	19
7	First Total Synthesis of Phytoprostanes with Prostaglandin-Like Configuration, Evidence for Their Formation in Edible Vegetable Oils and Orienting Study of Their Biological Activity. <i>Chemistry - A European Journal</i> , 2021, 27, 9556-9562.	3.3	3
8	Triazole fungicides in soil affect the yield of fruit, green biomass, and phenolics production of <i>Solanum lycopersicum</i> L.. <i>Food Chemistry</i> , 2021, 351, 129328.	8.2	18
9	Micellar electrokinetic chromatography in the determination of triazoles in fruit peel. <i>Journal of Chromatography A</i> , 2021, 1652, 462385.	3.7	13
10	Access to cationic polyhedral carboranes via dynamic cage surgery with N-heterocyclic carbenes. <i>Nature Communications</i> , 2021, 12, 4971.	12.8	8
11	Side effects of triazoles on treated crops. <i>Chemosphere</i> , 2021, 277, 130242.	8.2	10
12	Structural Characterization of Unusual Fatty Acid Methyl Esters with Double and Triple Bonds Using HPLC/APCI-MS2 with Acetonitrile In-Source Derivatization. <i>Molecules</i> , 2021, 26, 6468.	3.8	4
13	A simple and high-yield route to iridium, rhodium, osmium and ruthenium-nido-6-metalladecaborane compounds. <i>Dalton Transactions</i> , 2021, 50, 16751-16764.	3.3	3
14	Atmospheric pressure chemical ionization mass spectrometry at low flow rates: Importance of ion source housing. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8722.	1.5	6
15	Sulfated Metabolites of Luteolin, Myricetin, and Ampelopsin: Chemoenzymatic Preparation and Biophysical Properties. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 11197-11206.	5.2	12
16	How Site-Directed Mutagenesis Boosted Selectivity of a Promiscuous Enzyme. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 4138-4150.	4.3	8
17	Dual Substrate Specificity of the Rutinosidase from <i>Aspergillus niger</i> and the Role of Its Substrate Tunnel. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5671.	4.1	11
18	CB11H10 and Related Carborenes. <i>Inorganic Chemistry</i> , 2020, 59, 12453-12460.	4.0	4

#	ARTICLE	IF	CITATIONS
19	Mass spectrometry imaging of free-floating brain sections detects pathological lipid distribution in a mouse model of Alzheimer's-like pathology. <i>Analyst, The</i> , 2020, 145, 4595-4605.	3.5	12
20	A Reversible NO-Triggered Multiple Metallaborane Cluster Fusion by Ligand Expulsion/Addition from (PMe ₂ Ph) ₄ Pt ₂ B ₁₀ H ₁₀ to Afford (PMe ₂ Ph) ₈ Pt ₈ B ₄ O ₄ H ₄ and (PMe ₂ Ph) ₅ Pt ₄ B ₂ O ₂ H ₂ . <i>Inorganic Chemistry</i> , 2020, 59, 5030-5040.	4.0	1
21	Triazoles and aromatase: The impact of copper cocktails. <i>Environmental Pollution</i> , 2020, 266, 115201.	7.5	9
22	Dinucleoside polyphosphates act as 5' cap-RNA caps in bacteria. <i>Nature Communications</i> , 2020, 11, 1052.	12.8	41
23	Complexation and stability of the fungicide penconazole in the presence of zinc and copper ions. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8714.	1.5	8
24	Analysis of (O-acyl) alpha- and omega-hydroxy fatty acids in vernix caseosa by high-performance liquid chromatography-Orbitrap mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 2291-2302.	3.7	8
25	Temperature-programmed capillary high-performance liquid chromatography with atmospheric pressure chemical ionization mass spectrometry for analysis of fatty acid methyl esters. <i>Journal of Separation Science</i> , 2020, 43, 2579-2588.	2.5	4
26	Combining Charge-Switch Derivatization with Ozone-Induced Dissociation for Fatty Acid Analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2135-2143.	2.8	28
27	Determination of important azoles in soil solution using CE. <i>Monatshefte für Chemie</i> , 2019, 150, 1625-1631.	1.8	2
28	Inhibitory activity of <i>Scorzonera latifolia</i> and its components on enzymes connected with healing process. <i>Journal of Ethnopharmacology</i> , 2019, 245, 112168.	4.1	8
29	Cationic octahedral molybdenum cluster complexes functionalized with mitochondria-targeting ligands: photodynamic anticancer and antibacterial activities. <i>Biomaterials Science</i> , 2019, 7, 1386-1392.	5.4	62
30	LC/MS analysis and deep sequencing reveal the accurate RNA composition in the HIV-1 virion. <i>Scientific Reports</i> , 2019, 9, 8697.	3.3	21
31	Glycosidase-catalyzed Synthesis of Glycosyl Esters and Phenolic Glycosides of Aromatic Acids. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 2627-2637.	4.3	14
32	The use of 1,5-diaminonaphthalene for matrix-assisted laser desorption/ionization mass spectrometry imaging of brain in neurodegenerative disorders. <i>Talanta</i> , 2019, 201, 364-372.	5.5	20
33	The labral gland in termites: evolution and function. <i>Biological Journal of the Linnean Society</i> , 2019, 126, 587-597.	1.6	7
34	Selective ¹² N-acetylhexosaminidase from <i>Aspergillus versicolor</i> a tool for producing bioactive carbohydrates. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 1737-1753.	3.6	18
35	Helicenes Built from Silacyclopentadienes via Ring-by-Ring Knitting of the Helical Framework. <i>Angewandte Chemie</i> , 2019, 131, 1668-1672.	2.0	3
36	Chemical and vibratory signals used in alarm communication in the termite <i>Reticulitermes flavipes</i> (Rhinotermitidae). <i>Insectes Sociaux</i> , 2019, 66, 265-272.	1.2	11

#	ARTICLE	IF	CITATIONS
37	Helicenes Built from Silacyclopentadienes via Ring-by-Ring Knitting of the Helical Framework. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1654-1658.	13.8	8
38	New diterpenoid glucoside and flavonoids from <i>Plectranthus scutellarioides</i> (L.) R. Br.. <i>South African Journal of Botany</i> , 2019, 120, 286-290.	2.5	15
39	Applicability of low-flow atmospheric pressure chemical ionization and photoionization mass spectrometry with a microfabricated nebulizer for neutral lipids. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 639-648.	1.5	12
40	Nuclear phosphatidylinositol 4,5-bisphosphate islets contribute to efficient RNA polymerase II-dependent transcription. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	35
41	Evaluation of an ion source with a tubular nebulizer for microflow atmospheric pressure chemical ionization. <i>Monatshefte für Chemie</i> , 2018, 149, 987-994.	1.8	5
42	Medium Fluorous Separation Using Hydrofluoroether and Weakly Polar Solvents for Environmentally Friendly Recycling of Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7026-7034.	6.7	12
43	Nickel and palladium complexes with fluorinated alkyl substituted β -diimine ligands for living/controlled olefin polymerization. <i>Polymer Chemistry</i> , 2018, 9, 1234-1248.	3.9	15
44	Application of matrix-assisted laser desorption/ionization mass spectrometry imaging in combination with LC-MS in pharmacokinetic study of metformin. <i>Bioanalysis</i> , 2018, 10, 71-81.	1.5	4
45	Does resveratrol retain its antioxidative properties in wine? Redox behaviour of resveratrol in the presence of Cu(II) and tebuconazole. <i>Food Chemistry</i> , 2018, 262, 221-225.	8.2	15
46	Electrochemical reduction of azidophenyl-deoxynucleoside conjugates at mercury surface. <i>Electrochimica Acta</i> , 2018, 259, 377-385.	5.2	3
47	Nonhydroxylated 1-O-acylceramides in vernix caseosa. <i>Journal of Lipid Research</i> , 2018, 59, 2164-2173.	4.2	4
48	The matrix-assisted laser desorption/ionisation in-source decay of peptides using ion mobility enabled quadrupole-ion-activated flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 2099-2105.	1.5	3
49	Sulfated Metabolites of Flavonolignans and 2,3-Dehydroflavonolignans: Preparation and Properties. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2349.	4.1	23
50	Comparison of two low flow interfaces for measurement of mobilities and stability constants by affinity capillary electrophoresis-mass spectrometry. <i>Journal of Chromatography A</i> , 2018, 1568, 197-204.	3.7	14
51	Anti-inflammatory Activity of Natural Geranylated Flavonoids: Cyclooxygenase and Lipoxygenase Inhibitory Properties and Proteomic Analysis. <i>Journal of Natural Products</i> , 2017, 80, 999-1006.	3.0	72
52	Glycan-decorated HPMA copolymers as high-affinity lectin ligands. <i>Polymer Chemistry</i> , 2017, 8, 2647-2658.	3.9	30
53	Ion Source with Laser Triangulation for Ambient Mass Spectrometry of Nonplanar Samples. <i>Analytical Chemistry</i> , 2017, 89, 11452-11459.	6.5	6
54	Cholesteryl esters of ω -(O-acyl)-hydroxy fatty acids in vernix caseosa. <i>Journal of Lipid Research</i> , 2017, 58, 1579-1590.	4.2	22

#	ARTICLE	IF	CITATIONS
55	Multimerization rules for G-quadruplexes. <i>Nucleic Acids Research</i> , 2017, 45, 8684-8696.	14.5	37
56	Adaptive dynamics of cuticular hydrocarbons in <i>Drosophila</i> . <i>Journal of Evolutionary Biology</i> , 2017, 30, 66-80.	1.7	87
57	Chemoenzymatic Preparation and Biophysical Properties of Sulfated Quercetin Metabolites. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2231.	4.1	20
58	Turkish Scorzonera Species Extracts Attenuate Cytokine Secretion via Inhibition of NF- κ B Activation, Showing Anti-Inflammatory Effect in Vitro. <i>Molecules</i> , 2016, 21, 43.	3.8	21
59	Assessment of Chemical Impact of Invasive Bryozoan <i>Pectinatella magnifica</i> on the Environment: Cytotoxicity and Antimicrobial Activity of <i>P. magnifica</i> Extracts. <i>Molecules</i> , 2016, 21, 1476.	3.8	4
60	Synthesis and catalytic activity of ruthenium complexes modified with chiral racemic per- and polyfluorooxaalkanoates. <i>Journal of Fluorine Chemistry</i> , 2016, 191, 14-22.	1.7	9
61	Silychristin: Skeletal Alterations and Biological Activities. <i>Journal of Natural Products</i> , 2016, 79, 3086-3092.	3.0	38
62	Thin-Layer Chromatography/Desorption Atmospheric Pressure Photoionization Orbitrap Mass Spectrometry of Lipids. <i>Analytical Chemistry</i> , 2016, 88, 12279-12286.	6.5	18
63	An electrochemical device generating metal ion adducts of organic compounds for electrospray mass spectrometry. <i>Electrochimica Acta</i> , 2016, 211, 787-793.	5.2	7
64	Effects of 2,3-Dehydrosilybin and Its Galloyl Ester and Methyl Ether Derivatives on Human Umbilical Vein Endothelial Cells. <i>Journal of Natural Products</i> , 2016, 79, 812-820.	3.0	13
65	Cyclopropanation reactions catalysed by dendrimers possessing one metalloporphyrin active site at the core: linear and sigmoidal kinetic behaviour for different dendrimer generations. <i>Tetrahedron</i> , 2016, 72, 1120-1131.	1.9	14
66	Experimental and theoretical study on cation- π interaction of Ag ⁺ with [6]helicene. <i>Structural Chemistry</i> , 2016, 27, 627-635.	2.0	7
67	Liquid Chromatography - Mass Spectrometry of Wax Esters. , 2016, , 1-9.		1
68	Effective Concentration of Elements in Root Zone of Norway Spruce Stand 16 Years After Fertilization Probed with DGT. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	2.4	4
69	Desorption atmospheric pressure photoionization high-resolution mass spectrometry: a complementary approach for the chemical analysis of atmospheric aerosols. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1233-1241.	1.5	8
70	Synthesis of Derivatized Chitoooligomers using Transglycosidases Engineered from the Fungal GH20 <i>N-Acetylhexosaminidase</i> . <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 1941-1950.	4.3	37
71	Cation- π interaction of Ag ⁺ with [6]helicene: An experimental and theoretical study. <i>Chemical Physics Letters</i> , 2015, 633, 105-108.	2.6	12
72	Analysis of 1,2-diol diesters in vernix caseosa by high-performance liquid chromatography - atmospheric pressure chemical ionization mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1378, 8-18.	3.7	10

#	ARTICLE	IF	CITATIONS
73	Binding abilities of copper to phospholipids and transport of oxalate. Monatshefte für Chemie, 2015, 146, 831-837.	1.8	5
74	Localization of double bonds in triacylglycerols using high-performance liquid chromatography/atmospheric pressure chemical ionization ion-trap mass spectrometry. Analytical and Bioanalytical Chemistry, 2015, 407, 5175-5188.	3.7	17
75	The detection and mapping of the spatial distribution of insect defense compounds by desorption atmospheric pressure photoionization Orbitrap mass spectrometry. Analytica Chimica Acta, 2015, 886, 91-97.	5.4	16
76	Determination of acid dissociation constants of triazole fungicides by pressure assisted capillary electrophoresis. Journal of Chromatography A, 2015, 1408, 243-249.	3.7	38
77	Synthesis of Heavy Fluorous Ruthenium Metathesis Catalysts Using the Stereoselective Addition of Polyfluoroalkyllithium to Sterically Hindered Diimines. Organometallics, 2015, 34, 3327-3334.	2.3	20
78	Feasibility of desorption atmospheric pressure photoionization and desorption electrospray ionization mass spectrometry to monitor urinary steroid metabolites during pregnancy. Analytica Chimica Acta, 2015, 880, 84-92.	5.4	12
79	Complex alarm strategy in the most basal termite species. Behavioral Ecology and Sociobiology, 2015, 69, 1945-1955.	1.4	24
80	Transition metal complexes bearing NHC ligands substituted with secondary polyfluoroalkyl groups. Dalton Transactions, 2015, 44, 19663-19673.	3.3	11
81	Prokaryotic and Eukaryotic Aryl Sulfotransferases: Sulfation of Quercetin and Its Derivatives. ChemCatChem, 2015, 7, 3152-3162.	3.7	22
82	Newborn Boys and Girls Differ in the Lipid Composition of Vernix Caseosa. PLoS ONE, 2014, 9, e99173.	2.5	28
83	Fatty Acids from Pool Lipids as Possible Precursors of the Male Marking Pheromone in Bumblebees. Molecules, 2014, 19, 2330-2343.	3.8	4
84	Inhibition of GlcNAc-Processing Glycosidases by C-6-Azido-NAG-Thiazoline and Its Derivatives. Molecules, 2014, 19, 3471-3488.	3.8	13
85	Heavy fluororous phosphine-free ruthenium catalysts for alkene metathesis. Journal of Fluorine Chemistry, 2014, 161, 66-75.	1.7	18
86	Mass spectrometry imaging of surface lipids on intact <i>Drosophila melanogaster</i> flies. Journal of Mass Spectrometry, 2014, 49, 223-232.	1.6	30
87	New MALDI matrices based on lithium salts for the analysis of hydrocarbons and wax esters. Journal of Mass Spectrometry, 2014, 49, 628-638.	1.6	14
88	The Long-Term Effect of Slowly Dissolved Crushed Basic Rocks Amelioration on Metals Bioavailability in Soil. Water, Air, and Soil Pollution, 2014, 225, 1.	2.4	3
89	Theoretical insight into the stabilization of triazole fungicides via their interactions with dications. International Journal of Mass Spectrometry, 2014, 359, 38-43.	1.5	12
90	Evaluation of Anti-Inflammatory Activity of Prenylated Substances Isolated from <i>Morus alba</i> and <i>Morus nigra</i> . Journal of Natural Products, 2014, 77, 1297-1303.	3.0	72

#	ARTICLE	IF	CITATIONS
91	Experimental and theoretical study of Hoveyda's Grubbs catalysts modified by perfluorohexyl ponytail in the alkoxybenzylidene ligand. <i>Journal of Fluorine Chemistry</i> , 2013, 153, 12-25.	1.7	20
92	Delineating species boundaries using an iterative taxonomic approach: The case of soldierless termites (Isoptera, Termitidae, Apicotermitinae). <i>Molecular Phylogenetics and Evolution</i> , 2013, 69, 694-703.	2.7	19
93	In situ generation of copper cations and complexation with tebuconazole in a hyphenation of electrochemistry with mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2013, 338, 45-49.	1.5	9
94	Sulfo-N-succinimidyl Oleate (SSO) Inhibits Fatty Acid Uptake and Signaling for Intracellular Calcium via Binding CD36 Lysine 164. <i>Journal of Biological Chemistry</i> , 2013, 288, 15547-15555.	3.4	145
95	Total Synthesis, Proof of Absolute Configuration, and Biosynthetic Origin of Stylopsal, the First Isolated Sex Pheromone of <i>Strepsiptera</i> . <i>Chemistry - A European Journal</i> , 2013, 19, 8515-8524.	3.3	21
96	Preparation of silybin and isosilybin sulfates by sulfotransferase from <i>Desulfitobacterium hafniense</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 89, 24-27.	1.8	21
97	Analysis of wax esters by silver-ion high-performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1302, 105-110.	3.7	8
98	Minor C-geranylated flavanones from <i>Paulownia tomentosa</i> fruits with MRSA antibacterial activity. <i>Phytochemistry</i> , 2013, 89, 104-113.	2.9	46
99	Tomentomimulol and mimulone B: Two new C-geranylated flavonoids from <i>Paulownia tomentosa</i> fruits. <i>Natural Product Research</i> , 2013, 27, 613-618.	1.8	22
100	Studies of long chain lipids in insects by high temperature gas chromatography and high temperature gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1297, 236-240.	3.7	27
101	Identification of the double-bond position in fatty acid methyl esters by liquid chromatography/atmospheric pressure chemical ionisation mass spectrometry. <i>Journal of Chromatography A</i> , 2012, 1259, 244-250.	3.7	27
102	Stylopsal: The First Identified Female-produced Sex Pheromone of <i>Strepsiptera</i> . <i>Journal of Chemical Ecology</i> , 2012, 38, 1483-1491.	1.8	24
103	Structural characterization of wax esters by electron ionization mass spectrometry. <i>Journal of Lipid Research</i> , 2012, 53, 204-213.	4.2	35
104	Ag Complexes of NHC Ligands Bearing Polyfluoroalkyl and/or Polyfluoropolyalkoxy Ponytails. Why Are Polyethers More Fluorous Than Alkyls?. <i>Organometallics</i> , 2012, 31, 1524-1532.	2.3	27
105	Complexation of malic acid with cadmium(II) probed by electrospray ionization mass spectrometry. <i>Talanta</i> , 2012, 90, 63-68.	5.5	6
106	A new triterpene from <i>Scorzonera latifolia</i> (Fisch. and Mey.) DC.. <i>Natural Product Research</i> , 2012, 26, 1892-1897.	1.8	13
107	Analysis of plant galactolipids by reversed-phase high-performance liquid chromatography/mass spectrometry with accurate mass measurement. <i>Chemistry and Physics of Lipids</i> , 2012, 165, 601-607.	3.2	14
108	Polyamine conjugates of stigmaterol. <i>Steroids</i> , 2012, 77, 1212-1218.	1.8	21

#	ARTICLE	IF	CITATIONS
109	Nonadecadienone, a New Termite Trail-Following Pheromone Identified in <i>Glossotermes oculatus</i> (Serritermitidae). <i>Chemical Senses</i> , 2012, 37, 55-63.	2.0	16
110	Comparative Study of the Labial Gland Secretion in Termites (Isoptera). <i>PLoS ONE</i> , 2012, 7, e46431.	2.5	31
111	Explosive Backpacks in Old Termite Workers. <i>Science</i> , 2012, 337, 436-436.	12.6	61
112	Formation of Tebuconazole Complexes with Cadmium(II) Investigated by Electrospray Ionization Mass Spectrometry. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 2633-2640.	2.4	18
113	Localization of Double Bonds in Wax Esters by High-Performance Liquid Chromatography/Atmospheric Pressure Chemical Ionization Mass Spectrometry Utilizing the Fragmentation of Acetonitrile-Related Adducts. <i>Analytical Chemistry</i> , 2011, 83, 2978-2986.	6.5	34
114	Spirostanol saponins from the bulbs of <i>Lilium candidum</i> . <i>Chemistry of Natural Compounds</i> , 2011, 46, 1004-1005.	0.8	0
115	Changes in the Composition of Triacylglycerols in the Fat Bodies of Bumblebee Males During Their Lifetime. <i>Lipids</i> , 2011, 46, 863-871.	1.7	6
116	Complexation between the fungicide tebuconazole and copper(II) probed by electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1037-1042.	1.5	35
117	Scanning electron microscopic imaging of surface effects in desorption and nano-desorption electrospray ionization. <i>Journal of Mass Spectrometry</i> , 2011, 46, 256-261.	1.6	9
118	Transition-Metal-Complexed Cyclic [3]- and [4]Pseudorotaxanes Containing Rigid Ring and Filament Conjugates: Synthesis and Solution Studies. <i>Chemistry - A European Journal</i> , 2011, 17, 5404-5414.	3.3	31
119	Polyfluoroalkylated tripyrazolylmethane ligands: Synthesis and complexes. <i>Journal of Fluorine Chemistry</i> , 2011, 132, 434-440.	1.7	5
120	A novel defensin from the mucus of the wood wasp <i>Xiphydria camelus</i> . , 2011, , .		0
121	Novel antimicrobial peptides from the venom of the eusocial bee <i>Halictus sexcinctus</i> (Hymenoptera): Tj ETQq1 1 0.784314 rgBT /Ove	2.7	56
122	Oligomerization of adenosine 5'-methylphosphonate, an isopolar AMP analogue: Evaluation of the route to short oligoadenylates. <i>Biopolymers</i> , 2010, 93, 277-289.	2.4	1
123	Development of a fast LC-MS/MS method for quantification of rilmenidine in human serum: elucidation of fragmentation pathways by HRMS. <i>Journal of Mass Spectrometry</i> , 2010, 45, 1179-1185.	1.6	7
124	MALDI imaging of neutral cuticular lipids in insects and plants. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 220-231.	2.8	98
125	Determination of doxazosin and verapamil in human serum by fast LC-MS/MS: Application to document non-compliance of patients. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 3167-3173.	2.3	26
126	Synthesis of 2-(perfluoroalkyl)ethyl potassium sulfates based on perfluorinated Grignard reagents. <i>Journal of Fluorine Chemistry</i> , 2010, 131, 1338-1343.	1.7	8

#	ARTICLE	IF	CITATIONS
127	Analysis of wax ester molecular species by high performance liquid chromatography/atmospheric pressure chemical ionisation mass spectrometry. <i>Journal of Chromatography A</i> , 2010, 1217, 4184-4194.	3.7	46
128	Regioisomeric analysis of triacylglycerols using silver-ion liquid chromatography-“atmospheric pressure chemical ionization mass spectrometry: Comparison of five different mass analyzers. <i>Journal of Chromatography A</i> , 2010, 1217, 8186-8194.	3.7	95
129	Acetylcholinesterase and Butyrylcholinesterase Inhibitory Compounds from <i>Eschscholzia californica</i> (Papaveraceae). <i>Natural Product Communications</i> , 2010, 5, 1934578X1000500.	0.5	7
130	Beyond cuticular hydrocarbons: evidence of proteinaceous secretion specific to termite kings and queens. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 995-1002.	2.6	42
131	Search for the form of fullerene C60 in aqueous medium. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 14095.	2.8	31
132	Analgesic compounds from <i>Scorzonera latifolia</i> (Fisch. and Mey.) DC.. <i>Journal of Ethnopharmacology</i> , 2010, 131, 83-87.	4.1	27
133	Correction for Sehnal et al., An organometallic route to long helicenes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 17605-17605.	7.1	0
134	An organometallic route to long helicenes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 13169-13174.	7.1	126
135	Identification by GC-EAD of the two-component trail-following pheromone of <i>Prorhinotermes simplex</i> (Isoptera, Rhinotermitidae, Prorhinotermitinae). <i>Journal of Insect Physiology</i> , 2009, 55, 751-757.	2.0	35
136	Lasioglossins: Three Novel Antimicrobial Peptides from the Venom of the Eusocial Bee <i>Lasioglossum laticeps</i> (Hymenoptera: Halictidae). <i>ChemBioChem</i> , 2009, 10, 2089-2099.	2.6	81
137	Analysis of insect triacylglycerols using liquid chromatography-atmospheric pressure chemical ionization-mass spectrometry. <i>European Journal of Lipid Science and Technology</i> , 2009, 111, 519-525.	1.5	16
138	Characterization of natural wax esters by MALDI-TOF mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2009, 44, 101-110.	1.6	38
139	Juvenile hormone-stimulated synthesis of acyl-glycerols and vitamin E in female accessory sexual glands of the fire bug, <i>Pyrrhocoris apterus</i> L. <i>Archives of Insect Biochemistry and Physiology</i> , 2009, 72, 48-59.	1.5	8
140	Fluorous imidazolium room-temperature ionic liquids based on HFPO trimer. <i>Journal of Fluorine Chemistry</i> , 2009, 130, 629-639.	1.7	30
141	Synthesis of bis(polyfluoroalkylated)imidazolium salts as key intermediates for fluorous NHC ligands. <i>Journal of Fluorine Chemistry</i> , 2009, 130, 966-973.	1.7	43
142	A comparison of HPLC/APCI-MS and MALDI-MS for characterising triacylglycerols in insects: Species-specific composition of lipids in the fat bodies of bumblebee males. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 3878-3884.	2.3	23
143	Mechanism of Formation of (Deoxy)guanosine Adducts Derived from Peroxidase-Catalyzed Oxidation of the Carcinogenic Nonaminoazo Dye 1-Phenylazo-2-hydroxynaphthalene (Sudan I). <i>Chemical Research in Toxicology</i> , 2009, 22, 1765-1773.	3.3	11
144	Phyllocladane in brown coal from Handlová, Slovakia: Isolation and structural characterization. <i>Organic Geochemistry</i> , 2009, 40, 126-134.	1.8	14

#	ARTICLE	IF	CITATIONS
145	The quest for alternative routes to racemic and nonracemic azahelicene derivatives. Collection of Czechoslovak Chemical Communications, 2009, 74, 189-215.	1.0	17
146	Oxidation of the carcinogenic non-aminoazo dye 1-phenylazo-2-hydroxy-naphthalene (Sudan I) by cytochromes P450 and peroxidases: a comparative study. Interdisciplinary Toxicology, 2009, 2, 195-200.	1.0	10
147	Computer-Assisted Interpretation of Triacylglycerols Mass Spectra. , 2009, 580, 295-316.		0
148	(E,E)- β -Farnesene, an Alarm Pheromone of the Termite <i>Prorhinotermes canalifrons</i> . Journal of Chemical Ecology, 2008, 34, 478-486.	1.8	73
149	Unusual Fatty Acids in the Fat Body of the Early Nesting Bumblebee, <i>Bombus pratorum</i> . Lipids, 2008, 43, 441-450.	1.7	16
150	Mapping the peptide and protein immune response in the larvae of the fleshfly <i>Sarcophaga bullata</i> . Journal of Peptide Science, 2008, 14, 670-682.	1.4	15
151	Melectin: A Novel Antimicrobial Peptide from the Venom of the Cleptoparasitic Bee <i>Melecta albifrons</i> . ChemBioChem, 2008, 9, 2815-2821.	2.6	55
152	The reaction of (Sp)-2-(diphenylphosphino)ferrocenecarboxylic acid with carbodiimide reagents: Characterisation of the acid anhydride and urea products. Journal of Organometallic Chemistry, 2008, 693, 3430-3434.	1.8	10
153	Antibacterial <i>C</i> -Geranylflavonoids from <i>Paulownia tomentosa</i> Fruits. Journal of Natural Products, 2008, 71, 706-709.	3.0	68
154	Additional minor ecdysteroid components of <i>Leuzea carthamoides</i> . Steroids, 2008, 73, 502-514.	1.8	49
155	Synthesis of 8-bromo-, 8-methyl- and 8-phenyl-dATP and their polymerase incorporation into DNA. Organic and Biomolecular Chemistry, 2008, 6, 3657.	2.8	43
156	Cytotoxic Activity of <i>C</i> -Geranyl Compounds from <i>Paulownia tomentosa</i> Fruits. Planta Medica, 2008, 74, 1488-1491.	1.3	32
157	HFPO Trimer-Based Alkyl Triflate, a Novel Building Block for Fluorous Chemistry. Preparation, Reactions and 19F gCOSY Analysis. Collection of Czechoslovak Chemical Communications, 2008, 73, 1799-1813.	1.0	23
158	Synthesis of Methoxy Substituted Centrally Chiral Triynes as Precursors of Functionalised Nonracemic Helicene-Like Compounds. Collection of Czechoslovak Chemical Communications, 2007, 72, 1499-1522.	1.0	7
159	Thiacalix[4]arene porphyrin conjugates with high selectivity towards fullerene C70. Tetrahedron Letters, 2007, 48, 6620-6623.	1.4	19
160	Nitroalkenes and Sesquiterpene Hydrocarbons from the Frontal Gland of Three <i>Prorhinotermes</i> Termite Species. Journal of Chemical Ecology, 2007, 33, 1787-1794.	1.8	40
161	Structural Identification of an Anthrasteroid Hydrocarbon from the Sheep Tick <i>Ixodes ricinus</i> . Journal of Natural Products, 2006, 69, 1203-1205.	3.0	5
162	Computer-assisted interpretation of atmospheric pressure chemical ionization mass spectra of triacylglycerols. Rapid Communications in Mass Spectrometry, 2006, 20, 3586-3594.	1.5	26

#	ARTICLE	IF	CITATIONS
163	Residues of diflubenzuron on horse chestnut (<i>Aesculus hippocastanum</i>) leaves and their efficacy against the horse chestnut leafminer, <i>Cameraria ohridella</i> . <i>Pest Management Science</i> , 2006, 62, 274-278.	3.4	9
164	Analysis of triacylglycerols in fat body of bumblebees by chromatographic methods. <i>Journal of Chromatography A</i> , 2006, 1101, 226-237.	3.7	52
165	Fat body of <i>Prorhinotermes simplex</i> (Isoptera: Rhinotermitidae): Ultrastructure, inter-caste differences and lipid composition. <i>Micron</i> , 2006, 37, 648-656.	2.2	32
166	Analysis of Insect Cuticular Hydrocarbons Using Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>Journal of Chemical Ecology</i> , 2006, 32, 409-434.	1.8	69
167	Copper(I)-Directed Formation of a Cyclic Pseudorotaxane Tetramer and Its Trimeric Homologue. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 258-261.	13.8	84
168	Determining the vapour pressures of plant volatiles from gas chromatographic retention data. <i>Journal of Chromatography A</i> , 2005, 1083, 161-172.	3.7	73
169	Asymmetric Synthesis of [7]Helicene-Like Molecules. <i>Organic Letters</i> , 2005, 7, 2547-2550.	4.6	83
170	Amino acid formation induced by high-power laser in CO ₂ /CO ₂ -N ₂ -H ₂ O gas mixtures. <i>Chemical Physics Letters</i> , 2004, 386, 169-173.	2.6	41
171	Matrix-assisted laser desorption/ionization analysis of lipids and high molecular weight hydrocarbons with lithium 2,5-dihydroxybenzoate matrix. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 2203-2207.	1.5	63
172	Boron-Doped Diamond Microelectrodes for Use in Capillary Electrophoresis with Electrochemical Detection. <i>Analytical Chemistry</i> , 2003, 75, 2678-2687.	6.5	100
173	Photodegradation of 1-nitropyrene in solution and in the adsorbed state. <i>Journal of Hazardous Materials</i> , 2002, 95, 175-184.	12.4	8
174	Polarographic and Voltammetric Determination of Carcinogenic Nitro and Amino Derivatives of Polycyclic Aromatic Hydrocarbons. <i>Electroanalysis</i> , 2001, 13, 799-803.	2.9	27
175	Comparison of methods employing gas chromatography retention data to determine vapour pressures at 298 K. <i>Journal of Chromatography A</i> , 2001, 923, 137-152.	3.7	30
176	An Amperometric Detector with a Platinum Tubular Electrode for High Performance Liquid Chromatography. <i>Electroanalysis</i> , 2000, 12, 39-43.	2.9	20
177	DETERMINATION OF NITRATED POLYCYCLE AROMATIC HYDROCARBONS AS A NEW CLASS OF ENVIRONMENTAL CARCINOGENS. <i>Critical Reviews in Analytical Chemistry</i> , 1999, 29, 269-271.	3.5	1
178	Chemical degradation of wastes of antineoplastic agents amsacrine, azathioprine, asparaginase and thiotepa. <i>Annals of Occupational Hygiene</i> , 1998, 42, 259-266.	1.9	19
179	Critical Review High-performance liquid chromatography of nitrated polycyclic aromatic hydrocarbons. <i>Analyt. Chem.</i> , 1998, 70, 9-18.	3.5	46
180	A study of HPLC separation and spectrophotometric and voltammetric detection of 4-substituted derivatives of 3-carboxy-4-hydroxy-6-acetylaminoazobenzene. <i>Fresenius' Journal of Analytical Chemistry</i> , 1997, 358, 493-499.	1.5	1