

Michael Appell

List of Publications by Year in descending order

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58
papers

918
citations

430874

18
h-index

477307

29
g-index

60
all docs

60
docs citations

60
times ranked

1243
citing authors

#	ARTICLE	IF	CITATIONS
1	Raman spectral analysis for rapid determination of zearalenone and alpha-zearalanol. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 270, 120842.	3.9	6
2	Macromolecular Chemistry: The Second Century. An Introduction to the Agricultural and Food Chemistry Technical Program at the 261st American Chemical Society Spring Virtual Meeting & Expo. <i>ACS Food Science & Technology</i> , 2022, 2, 378-381.	2.7	0
3	Synthesis and analysis of lactose polyurethanes and their semi-interpenetrating polymer networks. <i>International Journal of Polymer Analysis and Characterization</i> , 2022, 27, 266-276.	1.9	1
4	Predictive Quantitative Structure-Activity Relationship Modeling of the Antifungal and Antibiotic Properties of Triazolothiadiazine Compounds. <i>Methods and Protocols</i> , 2021, 4, 2.	2.0	2
5	Rapid Raman spectroscopic determination of 1-feruloyl-sn-glycerol and 1,3-diferuloyl-sn-glycerol. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 229, 118020.	3.9	2
6	Pseudoflowers produced by <i>Fusarium xyrophilum</i> on yellow-eyed grass (<i>Xyris</i> spp.) in Guyana: A novel floral mimicry system?. <i>Fungal Genetics and Biology</i> , 2020, 144, 103466.	2.1	10
7	Development and Physical Characterization of β -Glucan Nanoparticles. <i>Molecules</i> , 2020, 25, 3807.	3.8	4
8	Quantitative structure-activity relationship study for prediction of antifungal properties of phenolic compounds. <i>Structural Chemistry</i> , 2020, 31, 1621-1630.	2.0	5
9	Enzymatic Synthesis and Flash Chromatography Separation of 1,3-Diferuloyl-sn-Glycerol and 1-Feruloyl-sn-Glycerol. <i>Methods and Protocols</i> , 2020, 3, 8.	2.0	2
10	Changing the Landscape: An Introduction to the Agricultural and Food Chemistry Technical Program at the 258th American Chemical Society National Meeting in San Diego. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 12769-12772.	5.2	0
11	Protection of Antioxidants, Vitamins E and C, from Ultraviolet Degradation using Feruloylated Vegetable Oil. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2019, 96, 999-1009.	1.9	9
12	Charged phospholipid effects on AAPH oxidation assay as determined using liposomes. <i>Chemistry and Physics of Lipids</i> , 2019, 220, 49-56.	3.2	1
13	Quantum chemical investigation of the detection properties of alternariol and alternariol monomethyl ether. <i>Structural Chemistry</i> , 2019, 30, 1749-1759.	2.0	7
14	Preparation of sorbitol-based polyurethanes and their semiinterpenetrating polymer networks. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47602.	2.6	6
15	Determination of pH Effects on Phosphatidyl-Hydroxytyrosol and Phosphatidyl-Tyrosol Bilayer Behavior. <i>Methods and Protocols</i> , 2018, 1, 41.	2.0	2
16	Determination of ochratoxin A in grape juice and wine using nanosponge solid phase extraction clean-up and liquid chromatography with fluorescence detection. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2018, 41, 949-954.	1.0	12
17	Spectroscopic and time-dependent density functional investigation of the role of structure on the acid-base effects of citrinin detection. <i>Structural Chemistry</i> , 2018, 29, 715-723.	2.0	3
18	Theoretical investigation of cyromazine tautomerism using density functional theory and Møller-Plesset perturbation theory methods. <i>Molecular Simulation</i> , 2018, 44, 1344-1352.	2.0	0

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19	Parameters Governing Ruthenium Sawhorse-Based Decarboxylation of Oleic Acid. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 864-871.	3.7	14
20	Analysis of the photophysical properties of zearalenone using density functional theory. <i>Journal of Luminescence</i> , 2017, 188, 551-557.	3.1	20
21	Experimental and theoretical study of the influence of water on hydrolyzed product formation during the feruloylation of vegetable oil. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 3022-3029.	3.5	4
22	Mycotoxin Analysis Using Imprinted Materials Technology: Recent Developments. <i>Journal of AOAC INTERNATIONAL</i> , 2016, 99, 861-864.	1.5	23
23	Feruloyl glycerol and 1,3-diferuloyl glycerol antioxidant behavior in phospholipid vesicles. <i>Chemistry and Physics of Lipids</i> , 2016, 195, 1-11.	3.2	5
24	Octadecyl ferulate behavior in 1,2-Dioleoylphosphocholine liposomes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 153, 333-343.	3.9	3
25	Determination of Citrinin Using Molecularly Imprinted Solid Phase Extraction Purification, HPLC Separation, and Fluorescence Detection. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2015, 38, 1815-1819.	1.0	19
26	Assessment of the electronic structure and properties of trichothecene toxins using density functional theory. <i>Journal of Hazardous Materials</i> , 2015, 288, 113-123.	12.4	11
27	Microwave-assisted synthesis of cyclodextrin polyurethanes. <i>Carbohydrate Polymers</i> , 2015, 133, 74-79.	10.2	23
28	Hydrodeoxygenation of Fructose to 2,5-Dimethyltetrahydrofuran Using a Sulfur Poisoned Pt/C Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 7059-7066.	3.7	18
29	Synthesis, Purification, and Acyl Migration Kinetics of 2- β -Monoricinoleoylglycerol. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2014, 91, 271-279.	1.9	8
30	Determination of fusaric acid in maize using molecularly imprinted SPE clean-up. <i>Journal of Separation Science</i> , 2014, 37, 281-286.	2.5	21
31	Interactions between cyclodextrins and fluorescent T-2 and HT-2 toxin derivatives: a physico-chemical study. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2013, 75, 285-292.	1.6	2
32	Applications of Nanoporous Materials in Agriculture. <i>ACS Symposium Series</i> , 2013, , 167-176.	0.5	5
33	Synthesis and spectral characterization of methyl 9(10)-dialkylphosphonostearates. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 110, 81-91.	3.9	15
34	Use of cyclodextrin-based polymer for patulin analysis in apple juice. <i>Mycotoxins</i> , 2013, 63, 1-8.	0.2	12
35	Sorption of Ochratoxin A from Aqueous Solutions Using β -Cyclodextrin-Polyurethane Polymer. <i>Toxins</i> , 2012, 4, 98-109.	3.4	37
36	Quantum chemical study of the structure and properties of citrinin. <i>Molecular Simulation</i> , 2012, 38, 284-292.	2.0	8

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37	Influence of Fatty Acid Desaturation on Spontaneous Acyl Migration in α -Monoacylglycerols. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2012, 89, 2259-2267.	1.9	20
38	The Acrylation of Glycerol: A Precursor to Functionalized Lipids. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2012, 89, 713-719.	1.9	1
39	Dihydrolipoyl dioleoylglycerol antioxidant capacity in phospholipid vesicles. <i>Chemistry and Physics of Lipids</i> , 2012, 165, 160-168.	3.2	11
40	Removal of patulin from aqueous solutions by propylthiol functionalized SBA-15. <i>Journal of Hazardous Materials</i> , 2011, 187, 150-156.	12.4	34
41	Effect of surfactants on the spectrofluorimetric properties of zearalenone. <i>Journal of Luminescence</i> , 2011, 131, 2330-2334.	3.1	18
42	Synthesis and evaluation of cyclodextrin-based polymers for patulin extraction from aqueous solutions. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2010, 68, 117-122.	1.6	27
43	Increased selectivity in the formation of the phenoxy ether of methyl lesquerolate over chloroalkyl-modified SBA-15-SO ₃ H catalysts†. <i>Applied Catalysis A: General</i> , 2010, 373, 90-97.	4.3	6
44	Feruloyl Dioleoylglycerol Antioxidant Capacity in Phospholipid Vesicles. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 5842-5850.	5.2	28
45	Comparative study of patulin, ascladiol, and neopatulin by density functional theory. <i>Computational and Theoretical Chemistry</i> , 2009, 894, 23-31.	1.5	9
46	Molecularly Imprinted Polymers for Mycotoxins. <i>ACS Symposium Series</i> , 2008, , 152-169.	0.5	3
47	Structure-Activity Relationships of Trichothecene Toxins in an <i>Arabidopsis thaliana</i> Leaf Assay. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 6487-6492.	5.2	73
48	Iodine catalyzed esterification of cellulose using reduced levels of solvent. <i>Carbohydrate Polymers</i> , 2007, 68, 555-560.	10.2	36
49	Capillary electrophoresis of the mycotoxin zearalenone using cyclodextrin-enhanced fluorescence. <i>Journal of Chromatography A</i> , 2007, 1143, 252-257.	3.7	63
50	DFT study of α - and β -D-galactopyranose at the B3LYP/6-311++G** level of theory. <i>Carbohydrate Research</i> , 2006, 341, 525-537.	2.3	59
51	Stepwise hydration of cellobiose by DFT methods: 1. Conformational and structural changes brought about by the addition of one to four water molecules. <i>Computational and Theoretical Chemistry</i> , 2006, 776, 1-19.	1.5	31
52	Stepwise hydration of cellobiose by DFT methods: 2. Energy contributions to relative stabilities of cellobiose·(H ₂ O) ₁₋₄ complexes. <i>Computational and Theoretical Chemistry</i> , 2006, 776, 21-31.	1.5	17
53	Alternansucrase acceptor reactions with D-tagatose and L-glucose. <i>Carbohydrate Research</i> , 2005, 340, 257-262.	2.3	11
54	DFT study of α - and β -D-mannopyranose at the B3LYP/6-311++G** level. <i>Carbohydrate Research</i> , 2005, 340, 459-468.	2.3	54

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55	B3LYP/6-311++G** geometry-optimization study of pentahydrates of $\hat{1}\pm$ - and $\hat{1}^2$ -d-glucopyranose. Carbohydrate Research, 2005, 340, 1638-1655.	2.3	65
56	Structure-activity relationships for substrate recognition by the human dopamine transporter. Biochemical Pharmacology, 2004, 67, 293-302.	4.4	17
57	NMR Study of Conformational Preferences of Inhibitors of Monoamine Uptake. QSAR and Combinatorial Science, 2002, 21, 38.	1.2	0
58	An Analysis of the Binding of Cocaine Analogues to the Monoamine Transporters Using Tensor Decomposition 3-D QSAR. Bioorganic and Medicinal Chemistry, 2002, 10, 1197-1206.	3.0	15