

Marta K Jamrã³z

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

637
citations

567281

15
h-index

677142

22
g-index

51
all docs

51
docs citations

51
times ranked

956
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioactivity-Guided Fractionation for the Butyrylcholinesterase Inhibitory Activity of Furanocoumarins from <i>Angelica archangelica</i> L. Roots and Fruits. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 9186-9193.	5.2	45
2	¹ H and ¹³ C NMR-based sugar profiling with chemometric analysis and antioxidant activity of herb honeys and honeys. <i>Journal of the Science of Food and Agriculture</i> , 2014, 94, 246-255.	3.5	44
3	Novel and unusual triterpene from Black Cohosh. Determination of structure of 9,10-seco-9,19-cyclolanostane xyloside (cimipodocarpaside) by NMR, IR and Raman spectroscopy and DFT calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 78, 107-112.	3.9	38
4	Virtual Cocrystal Screening Methods as Tools to Understand the Formation of Pharmaceutical Cocrystals – A Case Study of Linezolid, a Wide-Range Antibacterial Drug. <i>Crystal Growth and Design</i> , 2021, 21, 2301-2314.	3.0	34
5	The influence of procyanidins isolated from small-leaved lime flowers (<i>Tilia cordata</i> Mill.) on human neutrophils. <i>FÄ-toterapÄ-Äç</i> , 2018, 127, 115-122.	2.2	33
6	Trimeric and Tetrameric A-Type Procyanidins from Peanut Skins. <i>Journal of Natural Products</i> , 2017, 80, 415-426.	3.0	29
7	Effects of <i>Geum urbanum</i> L. root extracts and its constituents on polymorphonuclear leucocytes functions. Significance in periodontal diseases. <i>Journal of Ethnopharmacology</i> , 2016, 188, 1-12.	4.1	24
8	Effects of Phytochemically Characterized Extracts From <i>Syringa vulgaris</i> and Isolated Secoiridoids on Mediators of Inflammation in a Human Neutrophil Model. <i>Frontiers in Pharmacology</i> , 2018, 9, 349.	3.5	20
9	One new and six known triterpene xylosides from <i>Cimicifuga racemosa</i> : FT-IR, Raman and NMR studies and DFT calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 93, 10-18.	3.9	19
10	Interactions of amikacin with the RNA model of the ribosomal A-site: Computational, spectroscopic and calorimetric studies. <i>Biochimie</i> , 2014, 102, 188-202.	2.6	19
11	Approach toward the Understanding of Coupling Mechanism for EDC Reagent in Solvent-Free Mechanosynthesis. <i>Organic Letters</i> , 2017, 19, 5360-5363.	4.6	19
12	Crystal structure determination of an elusive methanol solvate hydrate of catechin using crystal structure prediction and NMR crystallography. <i>CrystEngComm</i> , 2020, 22, 4969-4981.	2.6	19
13	Explaining crystallization preferences of two polyphenolic diastereoisomers by crystal structure prediction. <i>CrystEngComm</i> , 2019, 21, 2067-2079.	2.6	18
14	Hydroxycinnamoyl derivatives and secoiridoid glycoside derivatives from <i>Syringa vulgaris</i> flowers and their effects on the pro-inflammatory responses of human neutrophils. <i>FÄ-toterapÄ-Äç</i> , 2017, 121, 194-205.	2.2	17
15	Antibacterial and anti-inflammatory activity of bistort (<i>Bistorta officinalis</i>) aqueous extract and its major components. Justification of the usage of the medicinal plant material as a traditional topical agent. <i>Journal of Ethnopharmacology</i> , 2020, 260, 113077.	4.1	16
16	Conformational equilibria in selected A-type trimeric procyanidins. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 9837-9844.	2.8	15
17	Computational and experimental study of reversible hydration/dehydration processes in molecular crystals of natural products – a case of catechin. <i>CrystEngComm</i> , 2016, 18, 5267-5277.	2.6	15
18	Caffeic acid derivatives isolated from the aerial parts of <i>Galinsoga parviflora</i> and their effect on inhibiting oxidative burst in human neutrophils. <i>Phytochemistry Letters</i> , 2016, 16, 303-310.	1.2	15

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19	Understanding the formation of apremilast cocrystals. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 803-814.	1.1	15
20	Experimental tests for quality validation of computationally predicted crystal structures – a case of a conformationally flexible procyanidin A-2 dihydrate. <i>CrystEngComm</i> , 2017, 19, 2903-2913.	2.6	13
21	Crystal structures of two furazidin polymorphs revealed by a joint effort of crystal structure prediction and NMR crystallography. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2020, 76, 322-335.	1.1	13
22	Understanding crystal nucleation mechanisms: where do we stand? General discussion. <i>Faraday Discussions</i> , 0, 235, 219-272.	3.2	13
23	On the conformation of the actinide-selective hydrophilic SO ₃ -Ph-BTP ligand in aqueous solution. A computational study. <i>Journal of Molecular Liquids</i> , 2016, 219, 224-231.	4.9	12
24	Isolation and structural determination of flavan-3-ol derivatives from the <i>Polypodium vulgare</i> L. rhizomes water extract. <i>Natural Product Research</i> , 2021, 35, 1474-1483.	1.8	11
25	Along the road to crystal structure prediction (CSP) of pharmaceutical-like molecules. <i>CrystEngComm</i> , 2022, 24, 1665-1678.	2.6	11
26	Structural studies on radiopharmaceutical DOTA-minigastrin analogue (CP04) complexes and their interaction with CCK2 receptor. <i>EJNMMI Research</i> , 2018, 8, 33.	2.5	9
27	Solid-State NMR Studies of Molecular Crystals. <i>Annual Reports on NMR Spectroscopy</i> , 2018, 95, 1-81.	1.5	9
28	Applications of crystal structure prediction – organic molecular structures: general discussion. <i>Faraday Discussions</i> , 2018, 211, 493-539.	3.2	8
29	A Multi-Technique Experimental and Computational Approach To Study the Dehydration Processes in the Crystals of Endomorphin Opioid Peptide Derivative. <i>Crystal Growth and Design</i> , 2016, 16, 5312-5322.	3.0	7
30	Hydrophilic Molecular Recognition in the Solid State as a Driving Force for Mechanochemical Formation of Apremilast Solvates and Cocrystals. <i>Crystal Growth and Design</i> , 2018, 18, 3959-3970.	3.0	7
31	Cocrystals – Divorce and Marriage – When a Binary System Meets an Active Multifunctional Synthon in a Ball Mill. <i>Chemistry - A European Journal</i> , 2020, 26, 13264-13273.	3.3	7
32	Physicochemical and Biological Study of ^{99m} Tc and ⁶⁸ Ga Radiolabelled Ciprofloxacin and Evaluation of [^{99m} Tc]Tc-CIP as Potential Diagnostic Radiopharmaceutical for Diabetic Foot Syndrome Imaging. <i>Tomography</i> , 2021, 7, 829-842.	1.8	7
33	Molecular structure of actein: ¹³ C CPMAS NMR, IR, X-ray diffraction studies and theoretical DFT – GIAO calculations. <i>Journal of Molecular Structure</i> , 2009, 933, 118-125.	3.6	6
34	Fast and very fast MAS solid state NMR studies of pharmaceuticals. <i>Annual Reports on NMR Spectroscopy</i> , 2021, , 97-189.	1.5	6
35	Improved HDAC Inhibition, Stronger Cytotoxic Effect and Higher Selectivity against Leukemias and Lymphomas of Novel, Tricyclic Vorinostat Analogues. <i>Pharmaceuticals</i> , 2021, 14, 851.	3.8	6
36	Spontaneous Stereoselective Oxidation of Crystalline Avermectin B _{1a} to Its C-8a-(<i>S</i>)-Hydroperoxide. <i>Journal of Natural Products</i> , 2019, 82, 3477-3481.	3.0	5

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37	¹³ C CPMAS NMR studies and DFT calculations of triterpene xylosides isolated from <i>Actaea racemosa</i> . <i>Journal of Molecular Structure</i> , 2011, 994, 248-255.	3.6	4
38	Detection of Drug Active Ingredients by Chemometric Processing of Solid-State NMR Spectrometry Data—The Case of Acetaminophen. <i>Journal of AOAC INTERNATIONAL</i> , 2012, 95, 704-707.	1.5	4
39	Spontaneous Keto–Enol Tautomerization in the Crystal Lattice Visualized with the Help of Water Encapsulated in Hydrophilic Reservoirs. <i>ChemPhysChem</i> , 2017, 18, 2850-2854.	2.1	4
40	Application of new covalently-bound diglycolamide sorbent in sequential injection analysis flow system for sample pretreatment in ICP-MS determination of ²³⁹ Pu at ppt level. <i>Talanta</i> , 2019, 205, 120099.	5.5	4
41	Unsymmetrically-Substituted 5,12-dihydrodibenzo[b,f][1,4]diazocine-6,11-dione Scaffold—A Useful Tool for Bioactive Molecules Design. <i>Molecules</i> , 2020, 25, 2855.	3.8	4
42	Triterpenoids from strawberry <i>Fragaria × ananassa</i> Duch. cultivar Senga Sengana leaves. <i>Industrial Crops and Products</i> , 2021, 169, 113668.	5.2	4
43	Structural variety of heterosynthons in linezolid cocrystals with modified thermal properties. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2020, 76, 892-912.	1.1	4
44	Isolation of Echimidine and Its C-7 Isomers from <i>Echium plantagineum</i> L. and Their Hepatotoxic Effect on Rat Hepatocytes. <i>Molecules</i> , 2022, 27, 2869.	3.8	2
45	Controlling polymorphism: general discussion. <i>Faraday Discussions</i> , 0, 235, 508-535.	3.2	2
46	The influence of the stereochemistry and C-end chemical modification of dermorphin derivatives on the peptide-phospholipid interactions. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183066.	2.6	0
47	Biological activities of triterpenes isolated from the medicinal mushroom <i>Ganoderma lucidum</i> . <i>Planta Medica</i> , 2015, 81, .	1.3	0
48	Honey, bees, and a hepatotoxic alkaloid echimidine. <i>Planta Medica</i> , 2015, 81, .	1.3	0
49	Determination of elusive crystal structure of solvate-hydrate of catechin by crystal structure prediction and NMR crystallography. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, e611-e611.	0.1	0
50	Growing crystals by design: general discussion. <i>Faraday Discussions</i> , 0, 235, 383-405.	3.2	0