

Andreana N Assimopoulou

List of Publications by Citations

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57
papers

2,481
citations

24
h-index

49
g-index

63
ext. papers

2,820
ext. citations

4.3
avg, IF

4.85
L-index

#	Paper	IF	Citations
57	The Chemistry and Biology of Alkannin, Shikonin, and Related Naphthazarin Natural Products. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 270-301	16.4	429
56	Radical scavenging activity of various extracts and fractions of sweet orange peel (<i>Citrus sinensis</i>). <i>Food Chemistry</i> , 2006 , 94, 19-25	8.5	318
55	Alkannins and shikonins: a new class of wound healing agents. <i>Current Medicinal Chemistry</i> , 2008 , 15, 3248-67	4.3	122
54	Electrospun fiber mats containing shikonin and derivatives with potential biomedical applications. <i>International Journal of Pharmaceutics</i> , 2011 , 409, 216-28	6.5	121
53	Analysis of antioxidant compounds in sweet orange peel by HPLC-diode array detection-electrospray ionization mass spectrometry. <i>Biomedical Chromatography</i> , 2005 , 19, 138-48	1.7	115
52	Biological activity of some naturally occurring resins, gums and pigments against in vitro LDL oxidation. <i>Phytotherapy Research</i> , 2003 , 17, 501-7	6.7	100
51	Inhibitory activity of minor polyphenolic and nonpolyphenolic constituents of olive oil against in vitro low-density lipoprotein oxidation. <i>Journal of Medicinal Food</i> , 2002 , 5, 1-7	2.8	99
50	GC-MS analysis of penta- and tetra-cyclic triterpenes from resins of <i>Pistacia</i> species. Part I. <i>Pistacia lentiscus</i> var. Chia. <i>Biomedical Chromatography</i> , 2005 , 19, 285-311	1.7	91
49	Antioxidant activities of alkannin, shikonin and <i>Alkanna tinctoria</i> root extracts in oil substrates. <i>Food Chemistry</i> , 2004 , 87, 433-438	8.5	77
48	Inhibition of topoisomerase I by naphthoquinone derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1998 , 8, 3385-90	2.9	71
47	Antioxidant activity of natural resins and bioactive triterpenes in oil substrates. <i>Food Chemistry</i> , 2005 , 92, 721-727	8.5	71
46	Recent Advances in Chemistry, Biology and Biotechnology of Alkannins and Shikonins. <i>Current Organic Chemistry</i> , 2006 , 10, 2123-2142	1.7	64
45	Alkannin and shikonin: effect on free radical processes and on inflammation - a preliminary pharmacological investigation. <i>Archiv Der Pharmazie</i> , 2002 , 335, 262-6	4.3	64
44	Inhibition of c-MYC with involvement of ERK/JNK/MAPK and AKT pathways as a novel mechanism for shikonin and its derivatives in killing leukemia cells. <i>Oncotarget</i> , 2015 , 6, 38934-51	3.3	52
43	Analysis of alkannin derivatives from <i>Alkanna</i> species by high-performance liquid chromatography/photodiode array/mass spectrometry. <i>Biomedical Chromatography</i> , 2006 , 20, 1359-74	1.7	49
42	GC-MS analysis of penta- and tetra-cyclic triterpenes from resins of <i>Pistacia</i> species. Part II. <i>Pistacia terebinthus</i> var. Chia. <i>Biomedical Chromatography</i> , 2005 , 19, 586-605	1.7	40
41	Pharmacophore-driven identification of PPAR α agonists from natural sources. <i>Journal of Computer-Aided Molecular Design</i> , 2011 , 25, 107-16	4.2	38

40	Structure-radical scavenging activity relationship of alkannin/shikonin derivatives. <i>Food Chemistry</i> , 2011 , 124, 171-176	8.5	33
39	Analytical Methods for the Determination of Alkannins and Shikonins. <i>Current Organic Chemistry</i> , 2006 , 10, 583-622	1.7	31
38	Chimeric advanced drug delivery nano systems (chi-aDDnSs) for shikonin combining dendritic and liposomal technology. <i>International Journal of Pharmaceutics</i> , 2012 , 422, 381-9	6.5	30
37	Structure/antileishmanial activity relationship study of naphthoquinones and dependency of the mode of action on the substitution patterns. <i>Planta Medica</i> , 2011 , 77, 2003-12	3.1	27
36	Preparative isolation and purification of alkannin/shikonin derivatives from natural products by high-speed counter-current chromatography. <i>Biomedical Chromatography</i> , 2009 , 23, 182-98	1.7	26
35	Simultaneous determination of monomeric and oligomeric alkannins and shikonins by high-performance liquid chromatography-diode array detection-mass spectrometry. <i>Biomedical Chromatography</i> , 2008 , 22, 173-90	1.7	26
34	Molecularly imprinted polymers for the isolation of bioactive naphthoquinones from plant extracts. <i>Journal of Chromatography A</i> , 2013 , 1315, 15-20	4.5	25
33	Comparative Study of PEGylated and Conventional Liposomes as Carriers for Shikonin. <i>Fluids</i> , 2018 , 3, 36	1.6	23
32	Chemie und Biologie von Alkannin, Shikonin und verwandten Naphthazarin-Naturstoffen. <i>Angewandte Chemie</i> , 1999 , 111, 280-311	3.6	22
31	Structure determination of oligomeric alkannin and shikonin derivatives. <i>Biomedical Chromatography</i> , 2005 , 19, 498-505	1.7	21
30	Pistacia lentiscus Oleoresin: Virtual Screening and Identification of Masticadienonic and Isomasticadienonic Acids as Inhibitors of 11 β -Hydroxysteroid Dehydrogenase 1. <i>Planta Medica</i> , 2015 , 81, 525-32	3.1	18
29	Preparation and release studies of alkannin-containing microcapsules. <i>Journal of Microencapsulation</i> , 2004 , 21, 161-73	3.4	18
28	Advanced Drug Delivery Nanosystems for Shikonin: A Calorimetric and Electron Paramagnetic Resonance Study. <i>Langmuir</i> , 2018 , 34, 9424-9434	4	16
27	Sterically stabilized liposomes as a potent carrier for shikonin. <i>Journal of Liposome Research</i> , 2014 , 24, 230-40	6.1	16
26	Shikonin-loaded liposomes as a new drug delivery system: Physicochemical characterization and in vitro cytotoxicity. <i>European Journal of Lipid Science and Technology</i> , 2011 , 113, 1113-1123	3	16
25	Study on isohexenylnaphthazarins polymerization in alkaline media. <i>Biomedical Chromatography</i> , 2004 , 18, 508-22	1.7	16
24	Modeling of hyperbranched polyesters as hosts for the multifunctional bioactive agent Shikonin. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 10808-17	3.6	15
23	Encapsulation of isohexenylnaphthazarins in cyclodextrins. <i>Biomedical Chromatography</i> , 2004 , 18, 240-7	1.7	15

22	Study on polymerization of the pharmaceutical substances isohexenylnaphthazarins. <i>Biomedical Chromatography</i> , 2004 , 18, 492-500	1.7	15
21	Chemical Composition of the Essential Oil of Chios Turpentine. <i>Journal of Essential Oil Research</i> , 1999 , 11, 367-368	2.3	14
20	Study on the enantiomeric ratio of the pharmaceutical substances alkannin and shikonin. <i>Biomedical Chromatography</i> , 2004 , 18, 791-9	1.7	13
19	Quantitative determination of alkannins and shikonins in endemic Mediterranean Alkanna species. <i>Biomedical Chromatography</i> , 2014 , 28, 923-33	1.7	12
18	Solid-phase extraction for purification of alkannin/shikonin samples and isolation of monomeric and dimeric fractions. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 2221-32	4.4	12
17	Naturally Occurring Wound Healing Agents: An Evidence-Based Review. <i>Current Medicinal Chemistry</i> , 2016 , 23, 3285-3321	4.3	12
16	Feasibility of multi-hydrolytic enzymes production from optimized grape pomace residues and wheat bran mixture using <i>Aspergillus niger</i> in an integrated citric acid-enzymes production process. <i>Bioresource Technology</i> , 2020 , 309, 123317	11	12
15	Endophytic Bacteria From the Roots of the Medicinal Plant Tausch (): Exploration of Plant Growth Promoting Properties and Potential Role in the Production of Plant Secondary Metabolites. <i>Frontiers in Microbiology</i> , 2021 , 12, 633488	5.7	10
14	Metabolic profiling study of shikonin's cytotoxic activity in the Huh7 human hepatoma cell line. <i>Molecular BioSystems</i> , 2017 , 13, 841-851		8
13	Lipids of the hexane extract from the roots of medicinal boraginaceous species. <i>Phytochemical Analysis</i> , 2003 , 14, 251-8	3.4	8
12	Green Extracts from Coffee Pulp and Their Application in the Development of Innovative Brews. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6982	2.6	7
11	Quality Risk Management and Quality by Design for the Development of Diclofenac Sodium Intra-articular Gelatin Microspheres. <i>AAPS PharmSciTech</i> , 2020 , 21, 127	3.9	6
10	Gelatin nanoparticles for NSAID systemic administration: Quality by design and artificial neural networks implementation. <i>International Journal of Pharmaceutics</i> , 2020 , 578, 119118	6.5	6
9	Spent Coffee Grounds Valorization towards the Recovery of Caffeine and Chlorogenic Acid: A Response Surface Methodology Approach. <i>Sustainability</i> , 2021 , 13, 8818	3.6	5
8	Synthesis and release studies of shikonin-containing microcapsules prepared by the solvent evaporation method. <i>Journal of Microencapsulation</i> , 2003 , 20, 581-96	3.4	4
7	Novel electrospun poly-hydroxybutyrate scaffolds as carriers for the wound healing agents alkannins and shikonins. <i>International Journal of Energy Production and Management</i> , 2021 , 8, rbab011	5.3	4
6	Electrospun wound dressings containing bioactive natural products: physico-chemical characterization and biological assessment. <i>Biomaterials Research</i> , 2021 , 25, 23	16.8	4
5	Headspace gas chromatography-mass spectrometry in the analysis of lavender's essential oil: Optimization by response surface methodology. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021 , 1179, 122852	3.2	4

4	The Chemistry and Biology of Alkannin, Shikonin, and Related Naphthazarin Natural Products 1999 , 38, 270		4
3	Valorization of household food wastes to lactic acid production: A response surface methodology approach to optimize fermentation process.. <i>Chemosphere</i> , 2022 , 133871	8.4	1
2	The Chemistry and Biology of Alkannin, Shikonin, and Related Naphthazarin Natural Products 1999 , 38, 270		1
1	Liposomal formulations of Alkanna tinctoria root extracts for dermal applications. <i>Planta Medica</i> , 2021 , 87,	3.1	