Andreana N Assimopoulou

List of Publications by Year in Descending Order

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	Valorization of household food wastes to lactic acid production: A response surface methodology approach to optimize fermentation process.. *Chemosphere*, **2022**, 133871	8.4	1
56	Novel electrospun poly-hydroxybutyrate scaffolds as carriers for the wound healing agents alkannins and shikonins. *International Journal of Energy Production and Management*, **2021**, 8, rbab011	5.3	4
55	Electrospun wound dressings containing bioactive natural products: physico-chemical characterization and biological assessment. *Biomaterials Research*, **2021**, 25, 23	16.8	4
54	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. *Frontiers in Microbiology*, **2021**, 12, 633488	5.7	10
53	Spent Coffee Grounds Valorization towards the Recovery of Caffeine and Chlorogenic Acid: A Response Surface Methodology Approach. *Sustainability*, **2021**, 13, 8818	3.6	5
52	Headspace gas chromatography-mass spectrometry in the analysis of lavender's essential oil: Optimization by response surface methodology. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2021**, 1179, 122852	3.2	4
51	Liposomal formulations of Alkanna tinctoria root extracts for dermal applications. *Planta Medica*, **2021**, 87,	3.1	
50	Green Extracts from Coffee Pulp and Their Application in the Development of Innovative Brews. *Applied Sciences (Switzerland)*, **2020**, 10, 6982	2.6	7
49	Quality Risk Management and Quality by Design for the Development of Diclofenac Sodium Intra-articular Gelatin Microspheres. *AAPS PharmSciTech*, **2020**, 21, 127	3.9	6
48	Gelatin nanoparticles for NSAID systemic administration: Quality by design and artificial neural networks implementation. *International Journal of Pharmaceutics*, **2020**, 578, 119118	6.5	6
47	Feasibility of multi-hydrolytic enzymes production from optimized grape pomace residues and wheat bran mixture using Aspergillus niger in an integrated citric acid-enzymes production process. *Bioresource Technology*, **2020**, 309, 123317	11	12
46	Advanced Drug Delivery Nanosystems for Shikonin: A Calorimetric and Electron Paramagnetic Resonance Study. *Langmuir*, **2018**, 34, 9424-9434	4	16
45	Comparative Study of PEGylated and Conventional Liposomes as Carriers for Shikonin. *Fluids*, **2018**, 3, 36	1.6	23
44	Metabolic profiling study of shikonin's cytotoxic activity in the Huh7 human hepatoma cell line. *Molecular BioSystems*, **2017**, 13, 841-851		8
43	Naturally Occurring Wound Healing Agents: An Evidence-Based Review. *Current Medicinal Chemistry*, **2016**, 23, 3285-3321	4.3	12
42	Pistacia lentiscus Oleoresin: Virtual Screening and Identification of Masticadienonic and Isomasticadienonic Acids as Inhibitors of 11Hydroxysteroid Dehydrogenase 1. *Planta Medica*, **2015**, 81, 525-32	3.1	18
41	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. *Oncotarget*, **2015**, 6, 38934-51	3.3	52

40	Quantitative determination of alkannins and shikonins in endemic Mediterranean Alkanna species. *Biomedical Chromatography*, **2014**, 28, 923-33	1.7	12
39	Sterically stabilized liposomes as a potent carrier for shikonin. *Journal of Liposome Research*, **2014**, 24, 230-40	6.1	16
38	Molecularly imprinted polymers for the isolation of bioactive naphthoquinones from plant extracts. *Journal of Chromatography A*, **2013**, 1315, 15-20	4.5	25
37	Chimeric advanced drug delivery nano systems (chi-aDDnSs) for shikonin combining dendritic and liposomal technology. *International Journal of Pharmaceutics*, **2012**, 422, 381-9	6.5	30
36	Modeling of hyperbranched polyesters as hosts for the multifunctional bioactive agent Shikonin. *Physical Chemistry Chemical Physics*, **2011**, 13, 10808-17	3.6	15
35	Pharmacophore-driven identification of PPAR agonists from natural sources. *Journal of Computer-Aided Molecular Design*, **2011**, 25, 107-16	4.2	38
34	Electrospun fiber mats containing shikonin and derivatives with potential biomedical applications. *International Journal of Pharmaceutics*, **2011**, 409, 216-28	6.5	121
33	Shikonin-loaded liposomes as a new drug delivery system: Physicochemical characterization and in vitro cytotoxicity. *European Journal of Lipid Science and Technology*, **2011**, 113, 1113-1123	3	16
32	Structure-radical scavenging activity relationship of alkannin/shikonin derivatives. *Food Chemistry*, **2011**, 124, 171-176	8.5	33
31	Structure/antileishmanial activity relationship study of naphthoquinones and dependency of the mode of action on the substitution patterns. *Planta Medica*, **2011**, 77, 2003-12	3.1	27
30	Solid-phase extraction for purification of alkannin/shikonin samples and isolation of monomeric and dimeric fractions. *Analytical and Bioanalytical Chemistry*, **2010**, 397, 2221-32	4.4	12
29	Preparative isolation and purification of alkannin/shikonin derivatives from natural products by high-speed counter-current chromatography. *Biomedical Chromatography*, **2009**, 23, 182-98	1.7	26
28	Alkannins and shikonins: a new class of wound healing agents. *Current Medicinal Chemistry*, **2008**, 15, 3248-67	4.3	122
27	Simultaneous determination of monomeric and oligomeric alkannins and shikonins by high-performance liquid chromatography-diode array detection-mass spectrometry. *Biomedical Chromatography*, **2008**, 22, 173-90	1.7	26
26	Analysis of alkannin derivatives from Alkanna species by high-performance liquid chromatography/photodiode array/mass spectrometry. *Biomedical Chromatography*, **2006**, 20, 1359-74	1.7	49
25	Analytical Methods for the Determination of Alkannins and Shikonins. *Current Organic Chemistry*, **2006**, 10, 583-622	1.7	31
24	Recent Advances in Chemistry, Biology and Biotechnology of Alkannins and Shikonins. *Current Organic Chemistry*, **2006**, 10, 2123-2142	1.7	64
23	Radical scavenging activity of various extracts and fractions of sweet orange peel (Citrus sinensis). *Food Chemistry*, **2006**, 94, 19-25	8.5	318

22	Antioxidant activity of natural resins and bioactive triterpenes in oil substrates. *Food Chemistry*, **2005**, 92, 721-727	8.5	71
21	Analysis of antioxidant compounds in sweet orange peel by HPLC-diode array detection-electrospray ionization mass spectrometry. *Biomedical Chromatography*, **2005**, 19, 138-48	1.7	115
20	GC-MS analysis of penta- and tetra-cyclic triterpenes from resins of Pistacia species. Part I. Pistacia lentiscus var. Chia. *Biomedical Chromatography*, **2005**, 19, 285-311	1.7	91
19	Structure determination of oligomeric alkannin and shikonin derivatives. *Biomedical Chromatography*, **2005**, 19, 498-505	1.7	21
18	GC-MS analysis of penta- and tetra-cyclic triterpenes from resins of Pistacia species. Part II. Pistacia terebinthus var. Chia. *Biomedical Chromatography*, **2005**, 19, 586-605	1.7	40
17	Encapsulation of isohexenylnaphthazarins in cyclodextrins. *Biomedical Chromatography*, **2004**, 18, 240-7	1.7	15
16	Study on polymerization of the pharmaceutical substances isohexenylnaphthazarins. *Biomedical Chromatography*, **2004**, 18, 492-500	1.7	15
15	Study on isohexenylnaphthazarins polymerization in alkaline media. *Biomedical Chromatography*, **2004**, 18, 508-22	1.7	16
14	Study on the enantiomeric ratio of the pharmaceutical substances alkannin and shikonin. *Biomedical Chromatography*, **2004**, 18, 791-9	1.7	13
13	Antioxidant activities of alkannin, shikonin and Alkanna tinctoria root extracts in oil substrates. *Food Chemistry*, **2004**, 87, 433-438	8.5	77
12	Preparation and release studies of alkannin-containing microcapsules. *Journal of Microencapsulation*, **2004**, 21, 161-73	3.4	18
11	Biological activity of some naturally occurring resins, gums and pigments against in vitro LDL oxidation. *Phytotherapy Research*, **2003**, 17, 501-7	6.7	100
10	Lipids of the hexane extract from the roots of medicinal boraginaceous species. *Phytochemical Analysis*, **2003**, 14, 251-8	3.4	8
9	Synthesis and release studies of shikonin-containing microcapsules prepared by the solvent evaporation method. *Journal of Microencapsulation*, **2003**, 20, 581-96	3.4	4
8	Alkannin and shikonin: effect on free radical processes and on inflammation - a preliminary pharmacochemical investigation. *Archiv Der Pharmazie*, **2002**, 335, 262-6	4.3	64
7	Inhibitory activity of minor polyphenolic and nonpolyphenolic constituents of olive oil against in vitro low-density lipoprotein oxidation. *Journal of Medicinal Food*, **2002**, 5, 1-7	2.8	99
6	Chemie und Biologie von Alkannin, Shikonin und verwandten Naphthazarin-Naturstoffen. *Angewandte Chemie*, **1999**, 111, 280-311	3.6	22
5	The Chemistry and Biology of Alkannin, Shikonin, and Related Naphthazarin Natural Products. *Angewandte Chemie - International Edition*, **1999**, 38, 270-301	16.4	429

4	Chemical Composition of the Essential Oil of Chios Turpentine. *Journal of Essential Oil Research*, **1999**, 11, 367-368	2.3	14
3	The Chemistry and Biology of Alkannin, Shikonin, and Related Naphthazarin Natural Products **1999**, 38, 270		1
2	The Chemistry and Biology of Alkannin, Shikonin, and Related Naphthazarin Natural Products **1999**, 38, 270		4
1	Inhibition of topoisomerase I by naphthoquinone derivatives. *Bioorganic and Medicinal Chemistry Letters*, **1998**, 8, 3385-90	2.9	71