

# Andreana N Assimopoulou

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3752051/publications.pdf>

Version: 2024-02-01

60  
papers

3,188  
citations

218381

26  
h-index

155451

55  
g-index

63  
all docs

63  
docs citations

63  
times ranked

3545  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Chemistry and Biology of Alkannin, Shikonin, and Related Naphthazarin Natural Products. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 270-301.	7.2	519
2	Radical scavenging activity of various extracts and fractions of sweet orange peel ( <i>Citrus sinensis</i> ). <i>Food Chemistry</i> , 2006, 94, 19-25.	4.2	384
3	Alkannins and Shikonins: A New Class of Wound Healing Agents. <i>Current Medicinal Chemistry</i> , 2008, 15, 3248-3267.	1.2	160
4	Electrospun fiber mats containing shikonin and derivatives with potential biomedical applications. <i>International Journal of Pharmaceutics</i> , 2011, 409, 216-228.	2.6	139
5	Analysis of antioxidant compounds in sweet orange peel by HPLC-diode array detection-electrospray ionization mass spectrometry. <i>Biomedical Chromatography</i> , 2005, 19, 138-148.	0.8	132
6	GC-MS analysis of penta- and tetra-cyclic triterpenes from resins of <i>Pistacia</i> species. Part I. <i>Pistacia lentiscus</i> var. <i>Chia</i> . <i>Biomedical Chromatography</i> , 2005, 19, 285-311.	0.8	116
7	Inhibitory Activity of Minor Polyphenolic and Nonpolyphenolic Constituents of Olive Oil Against <i>in vitro</i> Low-Density Lipoprotein Oxidation. <i>Journal of Medicinal Food</i> , 2002, 5, 1-7.	0.8	114
8	Biological activity of some naturally occurring resins, gums and pigments against <i>in vitro</i> LDL oxidation. <i>Phytotherapy Research</i> , 2003, 17, 501-507.	2.8	113
9	Antioxidant activities of alkannin, shikonin and <i>Alkanna tinctoria</i> root extracts in oil substrates. <i>Food Chemistry</i> , 2004, 87, 433-438.	4.2	99
10	Antioxidant activity of natural resins and bioactive triterpenes in oil substrates. <i>Food Chemistry</i> , 2005, 92, 721-727.	4.2	92
11	Alkannin and Shikonin: Effect on Free Radical Processes and on Inflammation - A Preliminary Pharmacochemical Investigation. <i>Archiv Der Pharmazie</i> , 2002, 335, 262.	2.1	81
12	Inhibition of topoisomerase I by naphthoquinone derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1998, 8, 3385-3390.	1.0	77
13	Recent Advances in Chemistry, Biology and Biotechnology of Alkannins and Shikonins. <i>Current Organic Chemistry</i> , 2006, 10, 2123-2142.	0.9	77
14	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, 38934-38951.	0.8	70
15	Analysis of alkannin derivatives from <i>Alkanna</i> species by high-performance liquid chromatography/photodiode array/mass spectrometry. <i>Biomedical Chromatography</i> , 2006, 20, 1359-1374.	0.8	58
16	GC-MS analysis of penta- and tetra-cyclic triterpenes from resins of <i>Pistacia</i> species. Part II. <i>Pistacia terebinthus</i> var. <i>Chia</i> . <i>Biomedical Chromatography</i> , 2005, 19, 586-605.	0.8	50
17	Endophytic Bacteria From the Roots of the Medicinal Plant <i>Alkanna tinctoria</i> Tausch (Boraginaceae): Exploration of Plant Growth Promoting Properties and Potential Role in the Production of Plant Secondary Metabolites. <i>Frontiers in Microbiology</i> , 2021, 12, 633488.	1.5	48
18	Pharmacophore-driven identification of PPAR $\beta$ agonists from natural sources. <i>Journal of Computer-Aided Molecular Design</i> , 2011, 25, 107-116.	1.3	45

#	ARTICLE	IF	CITATIONS
19	Structure-radical scavenging activity relationship of alkannin/shikonin derivatives. <i>Food Chemistry</i> , 2011, 124, 171-176.	4.2	41
20	Chimeric advanced drug delivery nano systems (chi-aDDnSs) for shikonin combining dendritic and liposomal technology. <i>International Journal of Pharmaceutics</i> , 2012, 422, 381-389.	2.6	38
21	Comparative Study of PEGylated and Conventional Liposomes as Carriers for Shikonin. <i>Fluids</i> , 2018, 3, 36.	0.8	38
22	Preparative isolation and purification of alkannin/shikonin derivatives from natural products by high-speed counter-current chromatography. <i>Biomedical Chromatography</i> , 2009, 23, 182-198.	0.8	35
23	Structure/Antileishmanial Activity Relationship Study of Naphthoquinones and Dependency of the Mode of Action on the Substitution Patterns. <i>Planta Medica</i> , 2011, 77, 2003-2012.	0.7	33
24	Analytical Methods for the Determination of Alkannins and Shikonins. <i>Current Organic Chemistry</i> , 2006, 10, 583-622.	0.9	32
25	Electrospun wound dressings containing bioactive natural products: physico-chemical characterization and biological assessment. <i>Biomaterials Research</i> , 2021, 25, 23.	3.2	31
26	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, 173-190.	0.8	30
27	Molecularly imprinted polymers for the isolation of bioactive naphthoquinones from plant extracts. <i>Journal of Chromatography A</i> , 2013, 1315, 15-20.	1.8	29
28	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.	4.8	27
29	A Review on Xerostomia and Its Various Management Strategies: The Role of Advanced Polymeric Materials in the Treatment Approaches. <i>Polymers</i> , 2022, 14, 850.	2.0	26
30	Structure determination of oligomeric alkannin and shikonin derivatives. <i>Biomedical Chromatography</i> , 2005, 19, 498-505.	0.8	23
31	Preparation and release studies of alkannin-containing microcapsules. <i>Journal of Microencapsulation</i> , 2004, 21, 161-173.	1.2	22
32	<i>Pistacia lentiscus</i> Oleoresin: Virtual Screening and Identification of Masticadienonic and Isomasticadienonic Acids as Inhibitors of $11\beta$ -Hydroxysteroid Dehydrogenase 1. <i>Planta Medica</i> , 2015, 81, 525-532.	0.7	22
33	Study on polymerization of the pharmaceutical substances isohexenylnaphthazarins. <i>Biomedical Chromatography</i> , 2004, 18, 492-500.	0.8	21
34	Sterically stabilized liposomes as a potent carrier for shikonin. <i>Journal of Liposome Research</i> , 2014, 24, 230-240.	1.5	21
35	Encapsulation of isohexenylnaphthazarins in cyclodextrins. <i>Biomedical Chromatography</i> , 2004, 18, 240-247.	0.8	20
36	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.	1.0	20

#	ARTICLE	IF	CITATIONS
37	Quantitative determination of alkannins and shikonins in endemic Mediterranean <i>Alkanna</i> species. <i>Biomedical Chromatography</i> , 2014, 28, 923-933.	0.8	20
38	Advanced Drug Delivery Nanosystems for Shikonin: A Calorimetric and Electron Paramagnetic Resonance Study. <i>Langmuir</i> , 2018, 34, 9424-9434.	1.6	20
39	Study on isohexenyl-naphthazarins polymerization in alkaline media. <i>Biomedical Chromatography</i> , 2004, 18, 508-522.	0.8	19
40	Green Extracts from Coffee Pulp and Their Application in the Development of Innovative Brews. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6982.	1.3	19
41	Gelatin nanoparticles for NSAID systemic administration: Quality by design and artificial neural networks implementation. <i>International Journal of Pharmaceutics</i> , 2020, 578, 119118.	2.6	19
42	Study on the enantiomeric ratio of the pharmaceutical substances alkannin and shikonin. <i>Biomedical Chromatography</i> , 2004, 18, 791-799.	0.8	18
43	Valorization of household food wastes to lactic acid production: A response surface methodology approach to optimize fermentation process. <i>Chemosphere</i> , 2022, 296, 133871.	4.2	18
44	Chemical Composition of the Essential Oil of Chios Turpentine. <i>Journal of Essential Oil Research</i> , 1999, 11, 367-368.	1.3	17
45	Modeling of hyperbranched polyesters as hosts for the multifunctional bioactive agent shikonin. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 10808.	1.3	16
46	Naturally Occurring Wound Healing Agents: An Evidence-Based Review. <i>Current Medicinal Chemistry</i> , 2016, 23, 3285-3321.	1.2	15
47	Solid-phase extraction for purification of alkannin/shikonin samples and isolation of monomeric and dimeric fractions. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 2221-2232.	1.9	14
48	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.	1.2	14
49	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.	1.9	13
50	Spent Coffee Grounds's Valorization towards the Recovery of Caffeine and Chlorogenic Acid: A Response Surface Methodology Approach. <i>Sustainability</i> , 2021, 13, 8818.	1.6	13
51	Lipids of the hexane extract from the roots of medicinal boraginaceous species. <i>Phytochemical Analysis</i> , 2003, 14, 251-258.	1.2	12
52	Metabolic profiling study of shikonin's cytotoxic activity in the Huh7 human hepatoma cell line. <i>Molecular BioSystems</i> , 2017, 13, 841-851.	2.9	10
53	Quality Risk Management and Quality by Design for the Development of Diclofenac Sodium Intra-articular Gelatin Microspheres. <i>AAPS PharmSciTech</i> , 2020, 21, 127.	1.5	7
54	Synthesis and release studies of shikonin-containing microcapsules prepared by the solvent evaporation method. <i>Journal of Microencapsulation</i> , 2003, 20, 581-596.	1.2	7

#	ARTICLE	IF	CITATIONS
55	The Chemistry and Biology of Alkannin, Shikonin, and Related Naphthazarin Natural Products. , 1999, 38, 270.		4
56	A Study of Blood Fatty Acids Profile in Hyperlipidemic and Normolipidemic Subjects in Association with Common PNPLA3 and ABCB1 Polymorphisms. Metabolites, 2021, 11, 90.	1.3	3
57	The Chemistry and Biology of Alkannin, Shikonin, and Related Naphthazarin Natural Products. , 1999, 38, 270.		1
58	Expanding the Biological Properties of Alkannins and Shikonins: Their Impact on Adipogenesis and Life Expectancy in Nematodes. Frontiers in Pharmacology, 0, 13, .	1.6	1
59	Special Issue of the 11th Panhellenic Scientific Conference on Chemical Engineering. Materials Today: Proceedings, 2018, 5, 27327-27328.	0.9	0
60	Liposomal formulations of Alkanna tinctoria root extracts for dermal applications. Planta Medica, 2021, 87, .	0.7	0