

Evangelos Gikas

List of Publications by Year in descending order

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103
papers

1,800
citations

331259

21
h-index

301761

39
g-index

108
all docs

108
docs citations

108
times ranked

2824
citing authors

#	ARTICLE	IF	CITATIONS
1	From Olive Drupes to Olive Oil. An HPLC-Orbitrap-based Qualitative and Quantitative Exploration of Olive Key Metabolites. <i>Planta Medica</i> , 2013, 79, 1576-1587.	0.7	152
2	A New Process for the Management of Olive Oil Mill Waste Water and Recovery of Natural Antioxidants. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 2671-2676.	2.4	145
3	Composition and Antimicrobial Activity of the Essential Oils of Five Taxa of <i>Sideritis</i> from Greece. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 811-815.	2.4	119
4	Oleuropein prevents doxorubicin-induced cardiomyopathy interfering with signaling molecules and cardiomyocyte metabolism. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 69, 4-16.	0.9	98
5	Design optimization study of the extraction of olive leaves performed with pressurized liquid extraction using response surface methodology. <i>Separation and Purification Technology</i> , 2014, 122, 323-330.	3.9	92
6	Identification of Throuba Thassos, a Traditional Greek Table Olive Variety, as a Nutritional Rich Source of Oleuropein. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 46-50.	2.4	67
7	Gas chromatographic-tandem mass spectrometric method for the quantitation of carbofuran, carbaryl and their main metabolites in applicators' urine. <i>Journal of Chromatography A</i> , 2006, 1108, 99-110.	1.8	61
8	Development of a Rapid and Sensitive SPE-LC-ESI MS/MS Method for the Determination of Chloramphenicol in Seafood. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 1025-1030.	2.4	52
9	Hydroxytyrosol ameliorates metabolic, cardiovascular and liver changes in a rat model of diet-induced metabolic syndrome: Pharmacological and metabolism-based investigation. <i>Pharmacological Research</i> , 2017, 117, 32-45.	3.1	38
10	Determination of colistin A and colistin B in human plasma by UPLC-ESI high resolution tandem MS: Application to a pharmacokinetic study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 83, 228-236.	1.4	37
11	Kinetic Study of the Acidic Hydrolysis of Oleuropein, the Major Bioactive Metabolite of Olive Oil. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2006, 29, 497-508.	0.5	35
12	Serum levels of daptomycin in pediatric patients. <i>Infection</i> , 2012, 40, 367-371.	2.3	35
13	Selective and rapid liquid chromatography/negative-ion electrospray ionization mass spectrometry method for the quantification of valacyclovir and its metabolite in human plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 864, 78-86.	1.2	32
14	Simultaneous determination of oleuropein and its metabolites in plasma by high-performance liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 785, 157-164.	1.2	29
15	Simultaneous quantification of oleuropein and its metabolites in rat plasma by liquid chromatography electrospray ionization tandem mass spectrometry. <i>Biomedical Chromatography</i> , 2010, 24, 506-515.	0.8	28
16	Development and validation of an ultra performance liquid chromatography-tandem mass spectrometry method for the quantification of daptomycin in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 56, 78-85.	1.4	28
17	The LC-MS-based metabolomics of hydroxytyrosol administration in rats reveals amelioration of the metabolic syndrome. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1041-1042, 45-59.	1.2	27
18	Synthesis and Pharmacological Evaluation of Novel Adenine-Hydrogen Sulfide Slow Release Hybrids Designed as Multitarget Cardioprotective Agents. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 1776-1790.	2.9	26

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19	Quantitation of Oleuropein and Related Metabolites in Decoctions of <i>Olea europaea</i> Leaves from Ten Greek Cultivated Varieties by HPLC with Diode Array Detection (HPLC- DAD). <i>Journal of Liquid Chromatography and Related Technologies</i> , 2005, 28, 1557-1571.	0.5	25
20	Development of a liquid chromatography-electrospray ionization tandem mass spectrometry (LC-ESI) method for the determination of oleuropein in olive leaves. <i>Analytica Chimica Acta</i> , 2006, 573-574, 258-266.	2.6	25
21	Rapid isolation and characterization of crocins, picrocrocin, and crocetin from saffron using centrifugal partition chromatography and LC-MS. <i>Journal of Separation Science</i> , 2018, 41, 4105-4114.	1.3	25
22	Determination of nateglinide in human plasma by high-performance liquid chromatography with pre-column derivatization using a coumarin-type fluorescent reagent. <i>Analytica Chimica Acta</i> , 2007, 599, 143-150.	2.6	22
23	Development of a Sensitive and Specific Solid Phase Extraction-Gas Chromatography-Tandem Mass Spectrometry Method for the Determination of Elenolic Acid, Hydroxytyrosol, and Tyrosol in Rat Urine. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 6213-6221.	2.4	21
24	Conformation of oleuropein, the major bioactive compound of <i>Olea europaea</i> . <i>Computational and Theoretical Chemistry</i> , 2007, 821, 125-132.	1.5	21
25	Acidic hydrolysis of bromazepam studied by high performance liquid chromatography. Isolation and identification of its degradation products. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1998, 17, 327-335.	1.4	20
26	Simultaneous quantification of daptomycin and rifampicin in plasma by ultra performance liquid chromatography: Application to a pharmacokinetic study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 51, 901-906.	1.4	20
27	Quality profile determination of Chios mastic gum essential oil and detection of adulteration in mastic oil products with the application of chiral and non-chiral GC-MS analysis. <i>Food Chemistry</i> , 2016, 114, 12-17.	1.1	20
28	Development and validation of a reversed-phase ion-pair liquid chromatography method for the determination of magnesium ascorbyl phosphate and melatonin in cosmetic creams. <i>Analytica Chimica Acta</i> , 2006, 573-574, 284-290.	2.6	19
29	Simultaneous Determination of Terbutylazine and Its Major Hydroxy and Dealkylated Metabolites in Wetland Water Samples Using Solid-Phase Extraction and High-Performance Liquid Chromatography with Diode-Array Detection. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 7270-7277.	2.4	19
30	Kinetic study on the degradation of prazepam in acidic aqueous solutions by high-performance liquid chromatography and fourth-order derivative ultraviolet spectrophotometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1998, 17, 739-750.	1.4	18
31	Trans-crocetin 4 is not hydrolyzed to crocetin following i.p. administration in mice, while it shows penetration through the blood brain barrier. <i>Food Chemistry</i> , 2018, 129, 62-72.	1.1	18
32	Crocus-derived compounds alter the aggregation pathway of Alzheimer's Disease - associated beta amyloid protein. <i>Scientific Reports</i> , 2020, 10, 18150.	1.6	18
33	Human Melanoma-Cell Metabolic Profiling: Identification of Novel Biomarkers Indicating Metastasis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2436.	1.8	18
34	DETERMINATION OF VALPROIC ACID IN HUMAN PLASMA BY HPLC WITH FLUORESCENCE DETECTION. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2002, 25, 2833-2847.	0.5	17
35	Daptomycin Use in a Neonate: Serum Level Monitoring and Outcome. <i>American Journal of Perinatology</i> , 2010, 27, 421-424.	0.6	17
36	Quantitation of Crocins and Picrocrocin in Saffron by HPLC: Application to Quality Control and Phytochemical Differentiation from Other <i>Crocus</i> Taxa. <i>Planta Medica</i> , 2015, 81, 606-612.	0.7	17

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37	Determination of Isoflavones in the Aerial Part of Red Clover by HPLC–Diode Array Detection. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2008, 31, 1181-1194.	0.5	16
38	Optimization of parameters affecting signal intensity in an LTQ-orbitrap in negative ion mode: A design of experiments approach. <i>Talanta</i> , 2016, 147, 402-409.	2.9	16
39	BrMOZPhC, a novel coumarin type reagent for the fluorescent derivatisation of carboxylic acids. <i>Analytica Chimica Acta</i> , 2003, 489, 153-163.	2.6	15
40	Could multivariate statistics exploit HPTLC and NMR data to reveal bioactive compounds? The case of <i>Paeonia mascula</i> . <i>Phytochemistry Letters</i> , 2017, 20, 379-385.	0.6	14
41	Alteration in the liver metabolome of rats with metabolic syndrome after treatment with Hydroxytyrosol. A Mass Spectrometry And Nuclear Magnetic Resonance - based metabolomics study. <i>Talanta</i> , 2018, 178, 246-257.	2.9	14
42	Analytical methodologies used for the determination of colistin in biological fluids. Is it still a challenge?. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 164, 777-788.	1.4	14
43	Acute administration of the olive constituent, oleuropein, combined with ischemic postconditioning increases myocardial protection by modulating oxidative defense. <i>Free Radical Biology and Medicine</i> , 2021, 166, 18-32.	1.3	14
44	Plasma Metabolomic Alterations Induced by COVID-19 Vaccination Reveal Putative Biomarkers Reflecting the Immune Response. <i>Cells</i> , 2022, 11, 1241.	1.8	14
45	Integrated HPTLC–based Methodology for the Tracing of Bioactive Compounds in Herbal Extracts Employing Multivariate Chemometrics. A Case Study on <i>Morus alba</i> . <i>Phytochemical Analysis</i> , 2017, 28, 125-131.	1.2	11
46	A novel UHPLC–HRMS-based metabolomics strategy enables the discovery of potential neuroactive metabolites in mice plasma, following i.p. administration of the main <i>Crocus sativus</i> L. bioactive component. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 177, 112878.	1.4	11
47	Phytochemical Differentiation of Saffron (<i>Crocus sativus</i> L.) by High Resolution Mass Spectrometry Metabolomic Studies. <i>Molecules</i> , 2021, 26, 2180.	1.7	11
48	Use of liquid chromatography/electrospray ionization tandem mass spectrometry to study the degradation pathways of terbuthylazine (TER) by <i>Typha latifolia</i> in constructed wetlands: identification of a new TER metabolite. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 181-188.	0.7	10
49	Employment of High-Performance Thin-Layer Chromatography for the Quantification of Oleuropein in Olive Leaves and the Selection of a Suitable Solvent System for Its Isolation with Centrifugal Partition Chromatography. <i>Planta Medica</i> , 2015, 81, 1628-1635.	0.7	10
50	A novel bioanalytical method based on UHPLC–HRMS/MS for the quantification of oleuropein in human serum. Application to a pharmacokinetic study. <i>Biomedical Chromatography</i> , 2016, 30, 2016-2023.	0.8	10
51	UHPLC–HRMS-based tissue untargeted metabolomics study of naringin and hesperidin after dietary supplementation in chickens. <i>Food Chemistry</i> , 2018, 269, 276-285.	4.2	10
52	Development and Validation of a Combined Methodology for Assessing the Total Quality Control of Herbal Medicinal Products – Application to Oleuropein Preparations. <i>PLoS ONE</i> , 2013, 8, e78277.	1.1	10
53	Development and validation of a UPLC–UV method for the determination of daptomycin in rabbit plasma. <i>Biomedical Chromatography</i> , 2010, 24, 522-527.	0.8	9
54	Kinetics and mechanism of acidic hydrolysis of nordazepam studied by high-performance liquid chromatography and fourth-order derivative ultraviolet spectrophotometry. <i>International Journal of Pharmaceutics</i> , 1998, 167, 69-81.	2.6	8

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55	Determination of herbicide terbuthylazine and its major hydroxy and dealkylated metabolites in constructed wetland sediments using solid phase extraction and high performance liquid chromatography-diode array detection. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 1429-1442.	1.8	8
56	Kinetic study on the acidic hydrolysis of lorazepam by a zero-crossing first-order derivative UV-spectrophotometric technique. <i>Talanta</i> , 1999, 48, 685-693.	2.9	7
57	Development of a Validated UHPLC-ESI (-)HRMS Methodology for the Simultaneous Quantitative Determination of Hesperidin, Hesperetin, Naringin, and Naringenin in Chicken Plasma. <i>Food Analytical Methods</i> , 2019, 12, 1187-1196.	1.3	7
58	Malignancy Grade-Dependent Mapping of Metabolic Landscapes in Human Urothelial Bladder Cancer: Identification of Novel, Diagnostic, and Druggable Biomarkers. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1892.	1.8	7
59	Population Pharmacokinetics and Outcomes of Critically Ill Pediatric Patients Treated with Intravenous Colistin at Higher Than Recommended Doses. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, .	1.4	7
60	A New Coumarin Based Fluorogenic Derivatization Reagent for Labelling Free Carboxyl Groups (Br&MOZC). <i>Journal of Liquid Chromatography and Related Technologies</i> , 2003, 26, 385-400.	0.5	6
61	Properties of a new fluorescent coumarin derivatization reagent employing molecular modelling techniques. <i>Computational and Theoretical Chemistry</i> , 2005, 724, 135-142.	1.5	6
62	Quantitation of the Flavonols Quercetin and Kaempferol in the Leaves of <i>Trigonella foenum-graecum</i> by High-Performance Liquid Chromatography & Diode Array Detection. <i>Analytical Letters</i> , 2011, 44, 1463-1472.	1.0	6
63	Simultaneous Determination of Herbicide Terbuthylazine and Its Major Hydroxy and Dealkylated Metabolites in <i>Typha latifolia</i> L. Wetland Plant Using SPE and HPLC-DAD. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2009, 32, 2975-2992.	0.5	5
64	Transport and dissipation study of the herbicide terbuthylazine and its major metabolites in wetland sediment substrates planted with <i>Typha latifolia</i> L. <i>Desalination and Water Treatment</i> , 2012, 39, 209-214.	1.0	5
65	Pharmacokinetics of Daptomycin in Critically Ill Pediatric Patients. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	5
66	Design of experiments guided multivariate calibration for the quantitation of injectable colistimethate sodium by ultra performance liquid chromatography & High resolution mass spectrometry. <i>Talanta</i> , 2020, 220, 121406.	2.9	5
67	Synthesis, Biological Evaluation and Stability Studies of Some Novel Aza-Acridine Aminoderivatives. <i>Molecules</i> , 2020, 25, 4584.	1.7	5
68	Post-acquisition spectral stitching. An alternative approach for data processing in untargeted metabolomics by UHPLC-ESI(-)HRMS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1047, 106-114.	1.2	4
69	Preliminary pharmacokinetic study of the anticancer 6BIO in mice using an UHPLC-MS/MS approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 164, 317-325.	1.4	4
70	Oleacin and oleocanthal: Two olive oil bioactives in multiple chemical forms. <i>Planta Medica</i> , 2012, 78, .	0.7	4
71	Development and Validation of a UPLC&ESI(-)&MS/MS Methodology for the Simultaneous Quantification of Hesperidin, Naringin, and their Aglycones in Chicken Tissue Samples. <i>Journal of AOAC INTERNATIONAL</i> , 2020, 103, 83-88.	0.7	3
72	A Novel Validated Injectable Colistimethate Sodium Analysis Combining Advanced Chemometrics and Design of Experiments. <i>Molecules</i> , 2021, 26, 1546.	1.7	3

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73	Exploring the metabolomic profile of cerebellum after exposure to acute stress. <i>Stress</i> , 2021, 24, 952-964.	0.8	3
74	From drupes to olive oil: How do bioactives variate during a single production procedure?. <i>Planta Medica</i> , 2012, 78, .	0.7	3
75	Effect of Supplementation with Olive Leaf Extract Enriched with Oleuropein on the Metabolome and Redox Status of Athletesâ€™ Blood and Urineâ€™A Metabolomic Approach. <i>Metabolites</i> , 2022, 12, 195.	1.3	3
76	From By-Products to Fertilizer: Chemical Characterization Using UPLC-QToF-MS via Suspect and Non-Target Screening Strategies. <i>Molecules</i> , 2022, 27, 3498.	1.7	3
77	MOZPhCSE, a New Coumarin Based Fluorescent Derivatization Reagent. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2004, 27, 2699-2713.	0.5	2
78	Targeted Metabolomics: The LC-MS/MS Based Quantification of the Metabolites Involved in the Methylation Biochemical Pathways. <i>Metabolites</i> , 2021, 11, 416.	1.3	2
79	Synthesis, spectroscopic and computational evaluation of a xanthene-based fluorogenic derivatization reagent for the determination of primary amines. <i>Dyes and Pigments</i> , 2021, 196, 109798.	2.0	2
80	Colistimethate Acidic Hydrolysis Revisited: Arrhenius Equation Modeling Using UPLC-QToF MS. <i>Molecules</i> , 2021, 26, 447.	1.7	2
81	The olive constituent oleuropein triggers a postconditioning-like effect in anesthetized rabbits through GSK3beta inhibition and JAK/STAT activation. <i>European Heart Journal</i> , 2013, 34, 3698-3698.	1.0	1
82	A multi-technique analytical approach for impurity profiling during synthesis: The case of difluprednate. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 190, 113483.	1.4	1
83	Chemometrically Assisted Optimization of Pregabalin Fluorescent Derivatization Reaction with a Novel Xanthone Analogue and Validation of the Method for the Determination of Pregabalin in Bulk via a Plate Reader. <i>Molecules</i> , 2022, 27, 1954.	1.7	1
84	046 EFFICACY OF DAPTOMYCIN IN MONOTHERAPY OR COMBINED WITH RIFAMPICIN IN A RABBIT MODEL OF EXPERIMENTAL ENDOCARDITIS DUE TO E. FAECIUM. <i>International Journal of Antimicrobial Agents</i> , 2009, 33, S17.	1.1	0
85	Daptomycin Use in a Neonate: Serum Level Monitoring and Outcome. <i>American Journal of Perinatology</i> , 2012, 29, 843-844.	0.6	0
86	Mass spectrometry and the Mediterranean. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1047, 1.	1.2	0
87	Quantum mechanical studies of indirubin derived CDK and GSK3b inhibitors. <i>Planta Medica</i> , 2008, 74, .	0.7	0
88	A new HPLC method for the analysis of <i>Crocus sativus</i> styles. <i>Planta Medica</i> , 2008, 74, .	0.7	0
89	Tandem mass spectrometric studies of polyphenolic metabolites from <i>Olea europaea</i> . <i>Planta Medica</i> , 2008, 74, .	0.7	0
90	A rapid LC- MS method for the simultaneous quantification of Oleuropein and its main metabolite, Hydroxytyrosol, in clinical samples after oral administration of commercial herb medicinal products. <i>Planta Medica</i> , 2011, 77, .	0.7	0

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91	Transport and dissipation study of the herbicide terbuthylazine and its major metabolites in wetland sediment substrates planted with <i>Typha latifolia</i> L. , 0, 39, 209-214.		0
92	Hydroxytyrosol: A compound from nature's arsenal against metabolic syndrome. <i>Planta Medica</i> , 2012, 78, .	0.7	0
93	NMR- and UHPLC-MS correlation for identification of biomarkers from woods of <i>Vitis Vinifera</i> cultivar resistant to pathogens. <i>Planta Medica</i> , 2012, 78, .	0.7	0
94	Is orbitrap quantitative? Critical aspects of its potential using natural products and synthetic drugs as models. <i>Planta Medica</i> , 2012, 78, .	0.7	0
95	Metabolomics study of hydroxytyrosol's administration in a metabolic syndrome rat model. <i>Planta Medica</i> , 2013, 79, .	0.7	0
96	New analytical methods for the quality control and authentication of olive oil. <i>Planta Medica</i> , 2014, 80, .	0.7	0
97	Synthesis of novel hydroxytyrosol analogues as potential anti-amyloidogenic agents. <i>Planta Medica</i> , 2014, 80, .	0.7	0
98	Metabolic profiling of Greek honey samples and evaluation of their antioxidant activity. <i>Planta Medica</i> , 2015, 81, .	0.7	0
99	Integrated HPTLC-based methodology for the tracing of bioactive compounds in herbal extracts by employing multivariate chemometrics. The case study of anti-tyrosinase agents from <i>Morus alba</i> . <i>Planta Medica</i> , 2015, 81, .	0.7	0
100	Exploitation of global microbial biodiversity for the discovery of novel cosmeceuticals using LC-HRMS based metabolomics. <i>Planta Medica</i> , 2015, 81, .	0.7	0
101	Small molecules discovery from marine organisms and microorganisms: A new pipeline combining LC-HRMS and NMR metabolomics. <i>Planta Medica</i> , 2016, 81, S1-S381.	0.7	0
102	Development and validation of a UPLC method for quantifying trans-crocin 4 and crocetin from saffron in plasma: A pharmacokinetic study. <i>Planta Medica</i> , 2016, 81, S1-S381.	0.7	0
103	A high-throughput multivariate statistics platform for the discovery of tyrosinase inhibitors. <i>Planta Medica</i> , 2019, 85, .	0.7	0