

# Anthony Tsarbopoulos

## List of Publications by Year in descending order

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77  
papers

2,146  
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218381

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docs citations

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2761  
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#	ARTICLE	IF	CITATIONS
1	Effect of Supplementation with Olive Leaf Extract Enriched with Oleuropein on the Metabolome and Redox Status of Athletes' Blood and Urine—A Metabolomic Approach. <i>Metabolites</i> , 2022, 12, 195.	1.3	3
2	Plasma Metabolomic Alterations Induced by COVID-19 Vaccination Reveal Putative Biomarkers Reflecting the Immune Response. <i>Cells</i> , 2022, 11, 1241.	1.8	14
3	A Novel Validated Injectable Colistimethate Sodium Analysis Combining Advanced Chemometrics and Design of Experiments. <i>Molecules</i> , 2021, 26, 1546.	1.7	3
4	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
5	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
6	Colistimethate Acidic Hydrolysis Revisited: Arrhenius Equation Modeling Using UPLC-QToF MS. <i>Molecules</i> , 2021, 26, 447.	1.7	2
7	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
8	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
9	<i>Crocus</i> -derived compounds alter the aggregation pathway of Alzheimer's Disease - associated beta amyloid protein. <i>Scientific Reports</i> , 2020, 10, 18150.	1.6	18
10	Behavioral and Neurochemical Effects of Extra Virgin Olive Oil Total Phenolic Content and Sideritis Extract in Female Mice. <i>Molecules</i> , 2020, 25, 5000.	1.7	7
11	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
12	Metabolomic fingerprinting and genetic discrimination of four <i>Hypericum</i> taxa from Greece. <i>Phytochemistry</i> , 2020, 174, 112290.	1.4	20
13	The <i>Crocus sativus</i> Compounds trans-Crocin 4 and trans-Crocetin Modulate the Amyloidogenic Pathway and Tau Misprocessing in Alzheimer Disease Neuronal Cell Culture Models. <i>Frontiers in Neuroscience</i> , 2019, 13, 249.	1.4	42
14	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
15	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
16	In-depth analysis of crocetin ester glycosides from dried/processed stigmas of <i>Crocus sativus</i> L. by HPLC-ESI-MS ( $n = 2, 3$ ). <i>Phytochemical Analysis</i> , 2019, 30, 346-356.	1.2	6
17	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
18	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

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19	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
20	Trans-crocins 4 is not hydrolyzed to crocetin following i.p. administration in mice, while it shows penetration through the blood brain barrier. <i>FASEB J</i> , 2018, 32, 62-72.	1.1	18
21	Beneficial Effects of <i>Sideritis scardica</i> and <i>Cichorium spinosum</i> against Amyloidogenic Pathway and Tau Misprocessing in Alzheimer's Disease Neuronal Cell Culture Models. <i>Journal of Alzheimer's Disease</i> , 2018, 64, 787-800.	1.2	12
22	Protein aggregation and neurodegeneration in prototypical neurodegenerative diseases: Examples of amyloidopathies, tauopathies and synucleinopathies. <i>Progress in Neurobiology</i> , 2017, 155, 171-193.	2.8	137
23	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
24	Processed stigmas of <i>Crocus sativus</i> L. imaged by MALDI-based MS. <i>Proteomics</i> , 2016, 16, 1726-1730.	1.3	4
25	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
26	Cerebral Area Differential Redox Response of Neonatal Rats to Selenite-Induced Oxidative Stress and to Concurrent Administration of Highbush Blueberry Leaf Polyphenols. <i>Neurochemical Research</i> , 2015, 40, 2280-2292.	1.6	12
27	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
28	In-chain neutral hydrocarbon loss from crocin apocarotenoid ester glycosides and the crocetin aglycon ( <i>Crocus sativus</i> L.) by ESI-MS ( $n=2, 3$ ). <i>Journal of Mass Spectrometry</i> , 2013, 48, 1299-1307.	1.37	8
29	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
30	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
31	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
32	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
33	Comparison of different tandem mass spectrometric techniques (ESI-IT, ESI and IP-MALDI-QTOF and) <i>Talanta</i> 10.784314 <i>Journal of Mass Spectrometry</i> , 2012, 26, 670-678.	0.7	24
34	Study of the interaction between the amyloid beta peptide (1-40) and antioxidant compounds by nuclear magnetic resonance spectroscopy. <i>Biopolymers</i> , 2011, 96, 316-327.	1.2	35
35	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
36	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

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37	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
38	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
39	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
40	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
41	Brief history of mass spectrometry in Greece and the establishment of the Hellenic Mass Spectrometry Society. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 548-548.	0.7	0
42	Simultaneous Determination of Herbicide Terbutylazine 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
43	Localization of the noncovalent binding site between amyloid- $\beta$ -peptide and oleuropein using electrospray ionization FT-ICR mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 1078-1085.	1.2	38
44	Focus on desorption ionization and macromolecular mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 1041-1044.	1.2	0
45	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
46	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
47	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
48	Development of a liquid chromatography-electrospray ionization tandem mass spectrometry (LC-ESI) method for the determination of terbutylazine and its metabolites in urine. <i>Analytica Chimica Acta</i> , 2006, 573-574, 258-266.	2.6	25
49	Gas chromatography-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
50	Noncovalent interaction between amyloid- $\beta$ -peptide (1-40) and oleuropein studied by electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 568-575.	1.2	75
51	Determination of carbofuran, carbaryl and their main metabolites in plasma samples of agricultural populations using gas chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 1444-1456.	1.9	38
52	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
53	Study of the non-covalent interaction between amyloid- $\beta$ -peptide and melatonin using electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2005, 40, 182-192.	0.7	37
54	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

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55	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
56	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
57	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
58	Volatiles with antimicrobial activity from the roots of Greek <i>Paeonia taxa</i> . <i>Journal of Ethnopharmacology</i> , 2002, 81, 101-104.	2.0	44
59	Homarine, a Common Metabolite in Edible Mediterranean Molluscs: Occurrence, Spectral Data and Revision of a Related Structure. <i>Natural Product Research</i> , 2001, 15, 411-418.	0.4	21
60	Mass spectrometric mapping of disulfide bonds in recombinant human interleukin-13. , 2000, 35, 446-453.		12
61	Chloramine T-induced structural and biochemical changes in echistatin. <i>FEBS Letters</i> , 1998, 429, 239-248.	1.3	14
62	Serine Protease of Hepatitis C Virus Expressed in Insect Cells as the NS3/4A Complex. <i>Biochemistry</i> , 1998, 37, 3392-3401.	1.2	78
63	Interaction of a Novel GDP Exchange Inhibitor with the Ras Protein. <i>Biochemistry</i> , 1998, 37, 15631-15637.	1.2	43
64	Isolation and characterization of an acetylated impurity in <i>Escherichia coli</i> -derived recombinant human interleukin-10 (IL-10) drug substance. <i>Pharmaceutical Research</i> , 1997, 14, 833-836.	1.7	5
65	Structural analysis of the CHO-derived interleukin-4 by liquid-chromatography/electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 1995, 30, 1752-1763.	0.7	20
66	Matrix Dependence of Metastable Fragmentation of Glycoproteins in MALDI TOF Mass Spectrometry. <i>Analytical Chemistry</i> , 1995, 67, 675-679.	3.2	165
67	Comparative Mapping of Recombinant Proteins and Glycoproteins by Plasma Desorption and Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 1994, 66, 2062-2070.	3.2	78
68	Application of electrospray mass spectrometry in probing protein-protein and protein-ligand noncovalent interactions. <i>Journal of the American Society for Mass Spectrometry</i> , 1993, 4, 624-630.	1.2	57
69	Studies of the Ras-GDP and Ras-GTP noncovalent complexes by electrospray mass spectrometry. <i>Tetrahedron</i> , 1993, 49, 7985-7996.	1.0	26
70	A homology model of human interferon $\beta$ -2. <i>Proteins: Structure, Function and Bioinformatics</i> , 1993, 17, 62-74.	1.5	24
71	Isolation and characterization of a resistant core peptide of recombinant human granulocyte-macrophage colony-stimulating factor (GM-CSF); confirmation of the GM-CSF amino acid sequence by mass spectrometry. <i>Protein Science</i> , 1993, 2, 1948-1958.	3.1	14
72	Disulfide bond assignments and secondary structure analysis of human and murine interleukin 10. <i>Biochemistry</i> , 1993, 32, 8807-8815.	1.2	91

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73	Application of plasma desorption mass spectrometry to molecular weight determination of human interleukin-4 secreted by a Chinese hamster ovary cell line. <i>Analytical Chemistry</i> , 1992, 64, 2303-2305.	3.2	1
74	Rapid identification of calbindin-D28k cyanogen bromide peptide fragments by plasma desorption mass spectrometry. <i>Biomedical &amp; Environmental Mass Spectrometry</i> , 1989, 18, 387-393.	1.6	14
75	Peptide and protein mapping by <sup>252</sup> Cf-plasma desorption mass spectrometry. <i>Analytical Biochemistry</i> , 1988, 171, 113-123.	1.1	39
76	Plasma desorption mass spectrometry of peptides adsorbed on nitrocellulose from a glutathione matrix. <i>Analytical Chemistry</i> , 1988, 60, 1086-1088.	3.2	22
77	Fast atom bombardment mass spectrometric studies of the aluminum chloride/n-butylpyridinium chloride molten salt. <i>Analytical Chemistry</i> , 1985, 57, 1766-1768.	3.2	16