Anthony Tsarbopoulos

List of Publications by Year
in descending order

77	2,146	218381	253896
papers	citations	26 h-index	43 g-index

78	78	78	2761
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Matrix Dependence of Metastable Fragmentation of Glycoproteins in MALDI TOF Mass Spectrometry. Analytical Chemistry, 1995, 67, 675-679.	3.2	165
2	A New Process for the Management of Olive Oil Mill Waste Water and Recovery of Natural Antioxidants. Journal of Agricultural and Food Chemistry, 2007, 55, 2671-2676.	2.4	145
3	Protein aggregation and neurodegeneration in prototypical neurodegenerative diseases: Examples of amyloidopathies, tauopathies and synucleinopathies. Progress in Neurobiology, 2017, 155, 171-193.	2.8	137
4	Disulfide bond assignments and secondary structure analysis of human and murine interleukin 10. Biochemistry, 1993, 32, 8807-8815.	1.2	91
5	Comparative Mapping of Recombinant Proteins and Glycoproteins by Plasma Desorption and Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 1994, 66, 2062-2070.	3.2	78
6	Serine Protease of Hepatitis C Virus Expressed in Insect Cells as the NS3/4A Complex. Biochemistry, 1998, 37, 3392-3401.	1.2	78
7	Noncovalent interaction between amyloid-Î²-peptide (1â€“40) and oleuropein studied by electrospray ionization mass spectrometry. Journal of the American Society for Mass Spectrometry, 2006, 17, 568-575.	1.2	75
8	Identification of Throuba Thassos, a Traditional Greek Table Olive Variety, as a Nutritional Rich Source of Oleuropein. Journal of Agricultural and Food Chemistry, 2010, 58, 46-50.	2.4	67
9	Gas chromatographicâ€“tandem mass spectrometric method for the quantitation of carbofuran, carbaryl and their main metabolites in applicatorsâ€™ urine. Journal of Chromatography A, 2006, 1108, 99-110.	1.8	61
10	Application of electrospray mass spectrometry in probing protein-protein and protein-ligand noncovalent interactions. Journal of the American Society for Mass Spectrometry, 1993, 4, 624-630.	1.2	57
11	Development of a Rapid and Sensitive SPE-LC-ESI MS/MS Method for the Determination of Chloramphenicol in Seafood. Journal of Agricultural and Food Chemistry, 2004, 52, 1025-1030.	2.4	52
12	Volatiles with antimicrobial activity from the roots of Greek Paeonia taxa. Journal of Ethnopharmacology, 2002, 81, 101-104.	2.0	44
13	Interaction of a Novel GDP Exchange Inhibitor with the Ras Protein. Biochemistry, 1998, 37, 15631-15637.	1.2	43
14	The Crocus sativus Compounds trans-Crocin 4 and trans-Crocetin Modulate the Amyloidogenic Pathway and Tau Misprocessing in Alzheimer Disease Neuronal Cell Culture Models. Frontiers in Neuroscience, 2019, 13, 249.	1.4	42
15	Peptide and protein mapping by 252Cf-plasma desorption mass spectrometry. Analytical Biochemistry, 1988, 171, 113-123.	1.1	39
16	Determination of carbofuran, carbaryl and their main metabolites in plasma samples of agricultural populations using gas chromatographyâ€“tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2006, 385, 1444-1456.	1.9	38
17	Localization of the noncovalent binding site between amyloid-Î²-peptide and oleuropein using electrospray ionization FT-ICR mass spectrometry. Journal of the American Society for Mass Spectrometry, 2008, 19, 1078-1085.	1.2	38
18	Study of the non-covalent interaction between amyloid-?-peptide and melatonin using electrospray ionization mass spectrometry. Journal of Mass Spectrometry, 2005, 40, 182-192.	0.7	37

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19	Determination of colistin A and colistin B in human plasma by UPLCâ€“ESI high resolution tandem MS: Application to a pharmacokinetic study. Journal of Pharmaceutical and Biomedical Analysis, 2013, 83, 228-236.	1.4	37
20	Kinetic Study of the Acidic Hydrolysis of Oleuropein, the Major Bioactive Metabolite of Olive Oil. Journal of Liquid Chromatography and Related Technologies, 2006, 29, 497-508.	0.5	35
21	Study of the interaction between the amyloid beta peptide (1-40) and antioxidant compounds by nuclear magnetic resonance spectroscopy. Biopolymers, 2011, 96, 316-327.	1.2	35
22	Simultaneous determination of oleuropein and its metabolites in plasma by high-performance liquid chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 785, 157-164.	1.2	29
23	Simultaneous quantification of oleuropein and its metabolites in rat plasma by liquid chromatography electrospray ionization tandem mass spectrometry. Biomedical Chromatography, 2010, 24, 506-515.	0.8	28
24	Development and validation of an ultra performance liquid chromatographyâ€“tandem mass spectrometry method for the quantification of daptomycin in human plasma. Journal of Pharmaceutical and Biomedical Analysis, 2011, 56, 78-85.	1.4	28
25	The LCâ€“MS-based metabolomics of hydroxytyrosol administration in rats reveals amelioration of the metabolic syndrome. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1041-1042, 45-59.	1.2	27
26	Studies of the Ras-GDP and Ras-GTP noncovalent complexes by electrospray mass spectrometry. Tetrahedron, 1993, 49, 7985-7996.	1.0	26
27	Quantitation of Oleuropein and Related Metabolites in Decoctions ofOlea europaeaLeaves from Ten Greek Cultivated Varieties by HPLC with Diode Array Detection (HPLCâ€DAD). Journal of Liquid Chromatography and Related Technologies, 2005, 28, 1557-1571.	0.5	25
28	Development of a liquid chromatographyâ€“electrospray ionization tandem mass spectrometry (LCâ€“ESI) Tj ETQq0 0 0 rgBT /Overlock Analytica Chimica Acta, 2006, 573-574, 258-266.	2.6	25
29	Rapid isolation and characterization of crocins, picrocrocin, and crocetin from saffron using centrifugal partition chromatography and LCâ€“MS. Journal of Separation Science, 2018, 41, 4105-4114.	1.3	25
30	A homology model of human interferon Î±-2. Proteins: Structure, Function and Bioinformatics, 1993, 17, 62-74.	1.5	24
31	Comparison of different tandem mass spectrometric techniques (ESIâ€IT, ESIâ€•and IPâ€MALDIâ€QRTOF and) Tj ETQq1 1 0.784314 r sativus</i> L.. Rapid Communications in Mass Spectrometry, 2012, 26, 670-678.	0.7	24
32	Plasma desorption mass spectrometry of peptides adsorbed on nitrocellulose from a glutathione matrix. Analytical Chemistry, 1988, 60, 1086-1088.	3.2	22
33	Homarine, a Common Metabolite in Edible Mediterranean Molluscs: Occurrence, Spectral Data and Revision of a Related Structure. Natural Product Research, 2001, 15, 411-418.	0.4	21
34	Development of a Sensitive and Specific Solid Phase Extractionâ^'Gas Chromatographyâ^'Tandem Mass Spectrometry Method for the Determination of Elenolic Acid, Hydroxytyrosol, and Tyrosol in Rat Urine. Journal of Agricultural and Food Chemistry, 2005, 53, 6213-6221.	2.4	21
35	Structural analysis of the CHO-derived interleukin-4 by liquid-chromatography/electrospray ionization mass spectrometry. Journal of Mass Spectrometry, 1995, 30, 1752-1763.	0.7	20
36	Simultaneous quantification of daptomycin and rifampicin in plasma by ultra performance liquid chromatography: Application to a pharmacokinetic study. Journal of Pharmaceutical and Biomedical Analysis, 2010, 51, 901-906.	1.4	20

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37	Metabolomic fingerprinting and genetic discrimination of four Hypericum taxa from Greece. Phytochemistry, 2020, 174, 112290.	1.4	20
38	Simultaneous Determination of Terbuthylazine and Its Major Hydroxy and Dealkylated Metabolites in Wetland Water Samples Using Solid-Phase Extraction and High-Performance Liquid Chromatography with Diode-Array Detection. Journal of Agricultural and Food Chemistry, 2007, 55, 7270-7277.	2.4	19
39	Trans-crocin 4 is not hydrolyzed to crocetin following i.p. administration in mice, while it shows penetration through the blood brain barrier. FÃ¬toterapÃ¬Ã¢, 2018, 129, 62-72.	1.1	18
40	Crocus-derived compounds alter the aggregation pathway of Alzheimerâ€™s Disease - associated beta amyloid protein. Scientific Reports, 2020, 10, 18150.	1.6	18
41	Quantitation of Crocins and Picrocrocin in Saffron by HPLC: Application to Quality Control and Phytochemical Differentiation from Other Crocus Taxa. Planta Medica, 2015, 81, 606-612.	0.7	17
42	Fast atom bombardment mass spectrometric studies of the aluminum chloride/n-butylpyridinium chloride molten salt. Analytical Chemistry, 1985, 57, 1766-1768.	3.2	16
43	Determination of Isoflavones in the Aerial Part of Red Clover by HPLCâ€“Diode Array Detection. Journal of Liquid Chromatography and Related Technologies, 2008, 31, 1181-1194.	0.5	16
44	Optimization of parameters affecting signal intensity in an LTQ-orbitrap in negative ion mode: A design of experiments approach. Talanta, 2016, 147, 402-409.	2.9	16
45	Rapid identification of calbindin-D28k cyanogen bromide peptide fragments by plasma desorption mass spectrometry. Biomedical & Environmental Mass Spectrometry, 1989, 18, 387-393.	1.6	14
46	Isolation and characterization of a resistant core peptide of recombinant human granulocyteâ€macrophage colonyâ€stimulating factor (gmâ€csf); confirmation of the gmâ€csf amino acid sequence by mass spectrometry. Protein Science, 1993, 2, 1948-1958.	3.1	14
47	Chloramine T-induced structural and biochemical changes in echistatin. FEBS Letters, 1998, 429, 239-248.	1.3	14
48	Alteration in the liver metabolome of rats with metabolic syndrome after treatment with Hydroxytyrosol. A Mass Spectrometry And Nuclear Magnetic Resonance - based metabolomics study. Talanta, 2018, 178, 246-257.	2.9	14
49	Analytical methodologies used for the determination of colistin in biological fluids. Is it still a challenge?. Journal of Pharmaceutical and Biomedical Analysis, 2019, 164, 777-788.	1.4	14
50	Plasma Metabolomic Alterations Induced by COVID-19 Vaccination Reveal Putative Biomarkers Reflecting the Immune Response. Cells, 2022, 11, 1241.	1.8	14
51	Mass spectrometric mapping of disulfide bonds in recombinant human interleukin-13. , 2000, 35, 446-453.		12
52	Cerebral Area Differential Redox Response of Neonatal Rats to Selenite-Induced Oxidative Stress and to Concurrent Administration of Highbush Blueberry Leaf Polyphenols. Neurochemical Research, 2015, 40, 2280-2292.	1.6	12
53	Beneficial Effects of Sideritis scardica and Cichorium spinosum against Amyloidogenic Pathway and Tau Misprocessing in Alzheimerâ€™s Disease Neuronal Cell Culture Models. Journal of Alzheimer's Disease, 2018, 64, 787-800.	1.2	12
54	A novel UHPLC-HRMS-based metabolomics strategy enables the discovery of potential neuroactive metabolites in mice plasma, following i.p. administration of the main Crocus sativus L. bioactive component. Journal of Pharmaceutical and Biomedical Analysis, 2020, 177, 112878.	1.4	11

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55	Phytochemical Differentiation of Saffron (Crocus sativus L.) by High Resolution Mass Spectrometry Metabolomic Studies. Molecules, 2021, 26, 2180.	1.7	11
56	Use of liquid chromatography/electrospray ionization tandem mass spectrometry to study the degradation pathways of terbuthylazine (TER) by Typha latifolia in constructed wetlands: identification of a new TER metabolite. Rapid Communications in Mass Spectrometry, 2012, 26, 181-188.	0.7	10
57	Development and validation of a UPLCâ€UV method for the determination of daptomycin in rabbit plasma. Biomedical Chromatography, 2010, 24, 522-527.	0.8	9
58	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. International Journal of Environmental Analytical Chemistry, 2012, 92, 1429-1442.	1.8	8
59	Inâ€chain neutral hydrocarbon loss from crocin apocarotenoid ester glycosides and the crocetin aglycon (Crocus sativus L.) by ESIâ€MSⁿ (nâ€‰=â€‰2, 3). Journal of Mass Spectrometry, 2013, 48, 1299-1307.	1.7	8
60	Development of a Validated UHPLC-ESI (-)-HRMS Methodology for the Simultaneous Quantitative Determination of Hesperidin, Hesperetin, Naringin, and Naringenin in Chicken Plasma. Food Analytical Methods, 2019, 12, 1187-1196.	1.3	7
61	Behavioral and Neurochemical Effects of Extra Virgin Olive Oil Total Phenolic Content and Sideritis Extract in Female Mice. Molecules, 2020, 25, 5000.	1.7	7
62	Quantitation of the Flavonols Quercetin and Kaempferol in the Leaves ofTrigonella foenum-graecumby High-Performance Liquid Chromatography â€“ Diode Array Detection. Analytical Letters, 2011, 44, 1463-1472.	1.0	6
63	Inâ€depth analysis of crocetin ester glycosides from dried/processed stigmas of <scp>Crocus sativus</scp> L. by HPLCâ€ESIâ€MSⁿ (n = 2, 3). Phytochemical Analysis, 2019, 30, 346-356.	1.2	6
64	Isolation and characterization of an acetylated impurity in Escherichia coli-derived recombinant human interleukin-10 (IL-10) drug substance. Pharmaceutical Research, 1997, 14, 833-836.	1.7	5
65	Simultaneous Determination of Herbicide Terbuthylazine and Its Major Hydroxy and Dealkylated Metabolites in Typha latifolia L. Wetland Plant Using SPE and HPLC-DAD. Journal of Liquid Chromatography and Related Technologies, 2009, 32, 2975-2992.	0.5	5
66	Transport and dissipation study of the herbicide terbuthylazine and its major metabolites in wetland sediment substrates planted withTypha latifoliaL. Desalination and Water Treatment, 2012, 39, 209-214.	1.0	5
67	Design of experiments guided multivariate calibration for the quantitation of injectable colistimethate sodium by ultra performance liquid chromatography â€“ High resolution mass spectrometry. Talanta, 2020, 220, 121406.	2.9	5
68	Processed stigmas of Crocus sativus L. imaged by MALDIâ€based MS. Proteomics, 2016, 16, 1726-1730.	1.3	4
69	Preliminary pharmacokinetic study of the anticancer 6BIO in mice using an UHPLC-MS/MS approach. Journal of Pharmaceutical and Biomedical Analysis, 2019, 164, 317-325.	1.4	4
70	Development and Validation of a UPLCâ€“ESI(-)â€“MS/MS Methodology for the Simultaneous Quantification of Hesperidin, Naringin, and their Aglycones in Chicken Tissue Samples. Journal of AOAC INTERNATIONAL, 2020, 103, 83-88.	0.7	3
71	A Novel Validated Injectable Colistimethate Sodium Analysis Combining Advanced Chemometrics and Design of Experiments. Molecules, 2021, 26, 1546.	1.7	3
72	Effect of Supplementation with Olive Leaf Extract Enriched with Oleuropein on the Metabolome and Redox Status of Athletesâ€™ Blood and Urineâ€”A Metabolomic Approach. Metabolites, 2022, 12, 195.	1.3	3

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73	Targeted Metabolomics: The LC-MS/MS Based Quantification of the Metabolites Involved in the Methylation Biochemical Pathways. Metabolites, 2021, 11, 416.	1.3	2
74	Colistimethate Acidic Hydrolysis Revisited: Arrhenius Equation Modeling Using UPLC-QToF MS. Molecules, 2021, 26, 447.	1.7	2
75	Application of plasma desorption mass spectrometry to molecular weight determination of human interleukin-4 secreted by a Chinese hamster ovary cell line. Analytical Chemistry, 1992, 64, 2303-2305.	3.2	1
76	Focus on desorption ionization and macromolecular mass spectrometry. Journal of the American Society for Mass Spectrometry, 2008, 19, 1041-1044.	1.2	0
77	Brief history of mass spectrometry in Greece and the establishment of the Hellenic Mass Spectrometry Society. Rapid Communications in Mass Spectrometry, 2009, 23, 548-548.	0.7	0