

Alessandro Saba

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

2,213
citations

218677

26
h-index

243625

44
g-index

81
all docs

81
docs citations

81
times ranked

2434
citing authors

#	ARTICLE	IF	CITATIONS
1	Atmospheric pressure photoionization mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2003, 22, 318-331.	5.4	380
2	An Update on Vitamin D Metabolism. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6573.	4.1	133
3	Tissue Distribution and Cardiac Metabolism of 3-Iodothyronamine. <i>Endocrinology</i> , 2010, 151, 5063-5073.	2.8	114
4	Left-Ventricular Remodeling After Myocardial Infarction Is Associated with a Cardiomyocyte-Specific Hypothyroid Condition. <i>Endocrinology</i> , 2011, 152, 669-679.	2.8	92
5	(Z)-9-tricosene identified in rectal gland extracts of <i>Bactrocera oleae</i> males: first evidence of a male-produced female attractant in olive fruit fly. <i>Die Naturwissenschaften</i> , 2012, 99, 77-81.	1.6	66
6	Cytotoxic Activity of Oleocanthal Isolated from Virgin Olive Oil on Human Melanoma Cells. <i>Nutrition and Cancer</i> , 2016, 68, 873-877.	2.0	65
7	Pharmacological effects of 3-Iodothyronamine (T1AM) in mice include facilitation of memory acquisition and retention and reduction of pain threshold. <i>British Journal of Pharmacology</i> , 2013, 168, 354-362.	5.4	64
8	Detection of 3-Iodothyronamine in Human Patients: A Preliminary Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, E69-E74.	3.6	57
9	3-Iodothyronamine: a modulator of the hypothalamus-pancreas-thyroid axes in mice. <i>British Journal of Pharmacology</i> , 2012, 166, 650-658.	5.4	52
10	Low-Dose T3 Replacement Restores Depressed Cardiac T3 Levels, Preserves Coronary Microvasculature and Attenuates Cardiac Dysfunction in Experimental Diabetes Mellitus. <i>Molecular Medicine</i> , 2014, 20, 302-312.	4.4	51
11	Identification of 9(E),11(E)-18:2 Fatty Acid Methyl Ester at Trace Level in Thermal Stressed Olive Oils by GC Coupled to Acetonitrile CI-MS and CI-MS/MS, a Possible Marker for Adulteration by Addition of Deodorized Olive Oil. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 4867-4872.	5.2	46
12	Biosynthesis of 3-Iodothyronamine (T1AM) Is Dependent on the Sodium-Iodide Symporter and Thyroperoxidase but Does Not Involve Extrathyroidal Metabolism of T4. <i>Endocrinology</i> , 2012, 153, 5659-5667.	2.8	43
13	Soy protein diet improves endothelial dysfunction in renal transplant patients. <i>Nephrology Dialysis Transplantation</i> , 2006, 22, 229-234.	0.7	42
14	Histamine mediates behavioural and metabolic effects of 3-Iodothyroacetic acid, an endogenous end product of thyroid hormone metabolism. <i>British Journal of Pharmacology</i> , 2014, 171, 3476-3484.	5.4	41
15	Determination of tramadol and metabolites by HPLC-FL and HPLC-MS/MS in urine of dogs. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 53, 194-199.	2.8	40
16	In the brain of mice, 3-iodothyronamine (T1AM) is converted into 3-iodothyroacetic acid (TA1) and it is included within the signaling network connecting thyroid hormone metabolites with histamine. <i>European Journal of Pharmacology</i> , 2015, 761, 130-134.	3.5	38
17	Direct determination of the ratio of tetrahydrocortisol+allo-tetrahydrocortisol to tetrahydrocortisone in urine by LC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 830, 278-285.	2.3	37
18	Changes in olive oil volatile organic compounds induced by water status and light environment in canopies of <i>Olea europaea</i> L. trees. <i>Journal of the Science of Food and Agriculture</i> , 2015, 95, 2473-2481.	3.5	32

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19	Vitamin D status, enterovirus infection, and type 1 diabetes in Italian children/adolescents. <i>Pediatric Diabetes</i> , 2018, 19, 923-929.	2.9	32
20	Quantification of Thyroxine and 3,5,3- ¹²⁵ I-Triiodo-Thyronine in Human and Animal Hearts by a Novel Liquid Chromatography-Tandem Mass Spectrometry Method. <i>Hormone and Metabolic Research</i> , 2014, 46, 628-634.	1.5	30
21	Uptake and metabolic effects of 3-iodothyronamine in hepatocytes. <i>Journal of Endocrinology</i> , 2014, 221, 101-110.	2.6	30
22	Clinical, pharmacodynamic and pharmacokinetic results of a prospective phase II study on oral metronomic vinorelbine and dexamethasone in castration-resistant prostate cancer patients. <i>Investigational New Drugs</i> , 2016, 34, 760-770.	2.6	29
23	Effect of Hypothyroidism and Hyperthyroidism on Tissue Thyroid Hormone Concentrations in Rat. <i>European Thyroid Journal</i> , 2016, 5, 27-34.	2.4	29
24	Metabolic Reprogramming by 3-Iodothyronamine (T1AM): A New Perspective to Reverse Obesity through Co-Regulation of Sirtuin 4 and 6 Expression. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1535.	4.1	29
25	Intense physical exercise increases systemic 11 ^β -hydroxysteroid dehydrogenase type 1 activity in healthy adult subjects. <i>European Journal of Applied Physiology</i> , 2010, 108, 681-687.	2.5	28
26	Modulation of Gene Expression by 3-Iodothyronamine: Genetic Evidence for a Lipolytic Pattern. <i>PLoS ONE</i> , 2014, 9, e106923.	2.5	28
27	Restoration of Cardiac Tissue Thyroid Hormone Status in Experimental Hypothyroidism: A Dose-Response Study in Female Rats. <i>Endocrinology</i> , 2013, 154, 2542-2552.	2.8	27
28	Long-term physiological T ₃ supplementation in hypertensive heart disease in rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H1059-H1065.	3.2	25
29	Recent advances in the assessment of the ratios of cortisol to cortisone and of some of their metabolites in urine by LC-MS/MS. <i>Journal of Mass Spectrometry</i> , 2009, 44, 541-548.	1.6	24
30	Assay of Endogenous 3,5-diiodo-L-thyronine (3,5-T2) and 3,3-diiodo-L-thyronine (3,3-T2) in Human Serum: A Feasibility Study. <i>Frontiers in Endocrinology</i> , 2019, 10, 88.	3.5	24
31	Hypovitaminosis D in patients with heart failure: effects on functional capacity and patients' survival. <i>Endocrine</i> , 2017, 58, 574-581.	2.3	23
32	Thyroid hormone levels in the cerebrospinal fluid correlate with disease severity in euthyroid patients with Alzheimer's disease. <i>Endocrine</i> , 2017, 55, 981-984.	2.3	21
33	Exogenous 3-Iodothyronamine Rescues the Entorhinal Cortex from ^β -Amyloid Toxicity. <i>Thyroid</i> , 2020, 30, 147-160.	4.5	21
34	Ancestral function of the phytochelatin synthase C-terminal domain in inhibition of heavy metal-mediated enzyme overactivation. <i>Journal of Experimental Botany</i> , 2020, 71, 6655-6669.	4.8	21
35	Is There a Crucial Link Between Vitamin D Status and Inflammatory Response in Patients With COVID-19?. <i>Frontiers in Immunology</i> , 2021, 12, 745713.	4.8	20
36	3-Iodothyronamine metabolism and functional effects in FRTL5 thyroid cells. <i>Journal of Molecular Endocrinology</i> , 2011, 47, 23-32.	2.5	19

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37	Characterization and quantification of thiol-peptides in <i>Arabidopsis thaliana</i> using combined dilution and high sensitivity HPLC-ESI-MS-MS. <i>Phytochemistry</i> , 2019, 164, 215-222.	2.9	19
38	Increase in endogenous glucose production with SGLT2 inhibition is attenuated in individuals who underwent kidney transplantation and bilateral native nephrectomy. <i>Diabetologia</i> , 2020, 63, 2423-2433.	6.3	17
39	A simple method for the extraction of volatile organic compounds contained in air samples from adsorbent materials by solid phase microextraction and their analysis by gas chromatography/mass spectrometry. , 1999, 13, 1899-1902.		15
40	Vitamin D measurement and effect on outcome in a cohort of patients with heart failure. <i>Endocrine Connections</i> , 2018, 7, 957-964.	1.9	15
41	3,5-Diiodo-L-Thyronine Increases Glucose Consumption in Cardiomyoblasts Without Affecting the Contractile Performance in Rat Heart. <i>Frontiers in Endocrinology</i> , 2018, 9, 282.	3.5	15
42	Evolution and functional differentiation of recently diverged phytochelatin synthase genes from <i>Arundo donax</i> L.. <i>Journal of Experimental Botany</i> , 2019, 70, 5391-5405.	4.8	15
43	Identification and characterization of Fenton oxidation products of surfactants by electrospray mass spectrometry and by solid phase microextraction gas chromatography mass spectrometry. 2. Fatty alcohol polyethoxy sulphates. , 2000, 14, 834-839.		14
44	Recovery of 3-Iodothyronamine and Derivatives in Biological Matrixes: Problems and Pitfalls. <i>Thyroid</i> , 2017, 27, 1323-1331.	4.5	14
45	Detection and quantification of cimicoxib, a novel COX-2 inhibitor, in canine plasma by HPLC with spectrofluorimetric detection: Development and validation of a new methodology. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 83, 28-33.	2.8	13
46	Sweat chloride assay by inductively coupled plasma mass spectrometry: a confirmation test for cystic fibrosis diagnosis. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 6909-6916.	3.7	12
47	Characterization of in vivo plasma metabolites of tepoxalin in horses using LC-MS-MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 56, 45-53.	2.8	11
48	Detection and quantification of the selective EP4 receptor antagonist CJ-023423 (grapiprant) in canine plasma by HPLC with spectrofluorimetric detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 118, 251-258.	2.8	11
49	Studies of the composition of distillates from leachate by gas chromatography/mass spectrometry coupled to solid-phase microextraction. <i>Rapid Communications in Mass Spectrometry</i> , 1999, 13, 966-970.	1.5	10
50	Development and Analytical Evaluation of a Spectrophotometric Procedure for the Quantification of Different Types of Phosphorus in Meat Products. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 1247-1253.	5.2	10
51	Quantification of d-mannose in plasma: Development and validation of a reliable and accurate HPLC-MS-MS method. <i>Clinica Chimica Acta</i> , 2019, 493, 31-35.	1.1	10
52	Plasma N-Acetylaspartate Is Related to Age, Obesity, and Glucose Metabolism: Effects of Antidiabetic Treatment and Bariatric Surgery. <i>Frontiers in Endocrinology</i> , 2020, 11, 216.	3.5	10
53	Mannose as a biomarker of coronary artery disease: Angiographic evidence and clinical significance. <i>International Journal of Cardiology</i> , 2022, 346, 86-92.	1.7	10
54	A biomimetic enzyme-linked immunosorbent assay (BELISA) for the analysis of gonadorelin by using molecularly imprinted polymer-coated microplates. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 5423-5434.	3.7	10

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55	Determination of benzene at trace levels in air by a novel method based on solid-phase microextraction gas chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 2404-2408.	1.5	9
56	Quantification of dehydroepiandrosterone in human serum on a routine basis: development and validation of a tandem mass spectrometry method based on a surrogate analyte. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 407-416.	3.7	9
57	BACE1 inhibitory activities of enantiomerically pure, variously substituted N-(3-(4-benzhydrylpiperazin-1-yl)-2-hydroxypropyl) arylsulfonamides. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 7991-7996.	3.0	7
58	Application of a pharmacokinetic/pharmacogenetic approach to assess the nicotine metabolic profile of smokers in the real-life setting. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 131, 208-213.	2.8	7
59	Phase II Study of Dehydroepiandrosterone in Androgen Receptor-Positive Metastatic Breast Cancer. <i>Oncologist</i> , 2019, 24, 743.	3.7	7
60	Mass spectrometry in the diagnosis of thyroid disease and in the study of thyroid hormone metabolism. <i>Mass Spectrometry Reviews</i> , 2022, 41, 443-468.	5.4	7
61	Delivery of Thyronamines (TAMs) to the Brain: A Preliminary Study. <i>Molecules</i> , 2021, 26, 1616.	3.8	7
62	Predicting potentially pathogenic effects of RPE65 missense mutations: a computational strategy based on molecular dynamics simulations. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022, 37, 1765-1772.	5.2	7
63	Identification and characterization of Fenton oxidation products of surfactants by ionspray mass spectrometry and solid-phase microextraction gas chromatography mass spectrometry 1. Lauryl sulphate. , 1999, 13, 2140-2145.		6
64	The extra-phosphate intestinal load from medications: is it a real concern?. <i>Journal of Nephrology</i> , 2016, 29, 857-862.	2.0	6
65	The Role of Cannabinoids in Bone Metabolism: A New Perspective for Bone Disorders. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12374.	4.1	6
66	Identification and characterization of Fenton oxidation products of surfactants by electrospray mass spectrometry and solid phase microextraction gas chromatography/mass spectrometry. 3. Polyethoxylated fatty alcohols and nonylphenols. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 1198-1206.	1.5	5
67	Bioanalytical Method Validation and Quantification of Flupirtine in Canine Plasma by HPLC with Spectrofluorimetric Detection. <i>American Journal of Animal and Veterinary Sciences</i> , 2015, 10, 91-100.	0.5	5
68	A LC-MS-MS method to detect recombinant bovine somatotropin misuse in buffalos. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 4917-4926.	3.7	5
69	Two Moroccan Sisters Presenting with a Severe Salt-Wasting Form of Congenital Adrenal Hyperplasia but Normal Female Genitalia. <i>Sexual Development</i> , 2017, 11, 82-85.	2.0	5
70	Plasma N-acetylaspartate: Development and validation of a quantitative assay based on HPLC-MS-MS and sample derivatization. <i>Clinica Chimica Acta</i> , 2020, 508, 146-153.	1.1	5
71	Circulating N-Acetylaspartate does not track brain NAA concentrations, cognitive function or features of small vessel disease in humans. <i>Scientific Reports</i> , 2022, 12, .	3.3	5
72	The Role of Tandem Mass Spectrometry in Clinical Chemistry. <i>Comprehensive Analytical Chemistry</i> , 2018, , 297-328.	1.3	4

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73	Oleocanthalic acid from extra-virgin olive oil: Analysis, preparative isolation and radical scavenging activity. <i>Journal of Food Composition and Analysis</i> , 2022, 105, 104160.	3.9	4
74	Ion scanning or ion trapping: Why not both?. <i>Mass Spectrometry Reviews</i> , 2023, 42, 1152-1173.	5.4	4
75	Gestational vitamin D3 supplementation and sun exposure significantly influence cord blood vitamin D status and 3-epi-25-hydroxyvitamin D3 levels in term newborns. <i>Clinica Chimica Acta</i> , 2022, 524, 59-68.	1.1	3
76	Characterization of 3-Iodothyronamine In Vitro Dynamics by Mathematical Modeling. <i>Cell Biochemistry and Biophysics</i> , 2014, 68, 37-47.	1.8	2
77	Tools for In Vitro Propagation/Synchronization of the Liverwort <i>Marchantia polymorpha</i> and Application of a Validated HPLC-ESI-MS-MS Method for Glutathione and Phytochelatin Analysis. <i>Stresses</i> , 2022, 2, 136-145.	4.8	2
78	PSNCBAM-1 analogs: Structural evolutions and allosteric properties at cannabinoid CB1 receptor. <i>European Journal of Medicinal Chemistry</i> , 2020, 203, 112606.	5.5	1
79	Technical Aspects About Measuring Phosphorus in Food. , 2017, , 133-141.		1
80	Andries P. Bruins: A Revolution for Modern Mass Spectrometry. <i>European Journal of Mass Spectrometry</i> , 2010, 16, vii-viii.	1.0	0
81	1851-P: Renal Denervation Attenuates Endogenous Glucose Production Increase with SGLT2 Inhibition in Patients with Renal Transplant Recipients and Impaired Fasting Glucose. <i>Diabetes</i> , 2020, 69, 1851-P.	0.6	0