

# Aida Serra

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

2,113  
citations

236925

25  
h-index

233421

45  
g-index

52  
all docs

52  
docs citations

52  
times ranked

3465  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioavailability of procyanidin dimers and trimers and matrix food effects in <i>in vitro</i> and <i>in vivo</i> models. <i>British Journal of Nutrition</i> , 2010, 103, 944-952.	2.3	239
2	Metabolic pathways of the colonic metabolism of flavonoids (flavonols, flavones and flavanones) and phenolic acids. <i>Food Chemistry</i> , 2012, 130, 383-393.	8.2	178
3	Analysis of food polyphenols by ultra high-performance liquid chromatography coupled to mass spectrometry: An overview. <i>Journal of Chromatography A</i> , 2013, 1292, 66-82.	3.7	141
4	Distribution of olive oil phenolic compounds in rat tissues after administration of a phenolic extract from olive cake. <i>Molecular Nutrition and Food Research</i> , 2012, 56, 486-496.	3.3	136
5	Extracellular vesicles are rapidly purified from human plasma by Protein Organic Solvent Precipitation (PROSPR). <i>Scientific Reports</i> , 2015, 5, 14664.	3.3	99
6	Determination of procyanidins and their metabolites in plasma samples by improved liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 1169-1176.	2.3	84
7	Structural determinants for peptide-bond formation by asparaginyl ligases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11737-11746.	7.1	81
8	Enrichment of extracellular vesicles from tissues of the central nervous system by PROSPR. <i>Molecular Neurodegeneration</i> , 2016, 11, 41.	10.8	76
9	Gender differences in white matter pathology and mitochondrial dysfunction in Alzheimer's disease with cerebrovascular disease. <i>Molecular Brain</i> , 2016, 9, 27.	2.6	58
10	Distribution of procyanidins and their metabolites in rat plasma and tissues in relation to ingestion of procyanidin-enriched or procyanidin-rich cocoa creams. <i>European Journal of Nutrition</i> , 2013, 52, 1029-1038.	3.9	56
11	Dose-dependent metabolic disposition of hydroxytyrosol and formation of mercapturates in rats. <i>Pharmacological Research</i> , 2013, 77, 47-56.	7.1	54
12	A high-throughput peptidomic strategy to decipher the molecular diversity of cyclic cysteine-rich peptides. <i>Scientific Reports</i> , 2016, 6, 23005.	3.3	48
13	Alzheimer's disease progression characterized by alterations in the molecular profiles and biogenesis of brain extracellular vesicles. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 54.	6.2	47
14	Metabolic pathways of the colonic metabolism of procyanidins (monomers and dimers) and alkaloids. <i>Food Chemistry</i> , 2011, 126, 1127-1137.	8.2	46
15	Distribution of procyanidins and their metabolites in rat plasma and tissues after an acute intake of hazelnut extract. <i>Food and Function</i> , 2011, 2, 562.	4.6	45
16	Brain-derived and circulating vesicle profiles indicate neurovascular unit dysfunction in early Alzheimer's disease. <i>Brain Pathology</i> , 2019, 29, 593-605.	4.1	44
17	Rapid methods to determine procyanidins, anthocyanins, theobromine and caffeine in rat tissues by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 1519-1528.	2.3	40
18	Validation of determination of plasma metabolites derived from thyme bioactive compounds by improved liquid chromatography coupled to tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 905, 75-84.	2.3	35

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19	A novel strategy for the discrimination of gelatinous Chinese medicines based on enzymatic digestion followed by nano-flow liquid chromatography in tandem with orbitrap mass spectrum detection. <i>International Journal of Nanomedicine</i> , 2015, 10, 4947.	6.7	35
20	Brain ureido degenerative protein modifications are associated with neuroinflammation and proteinopathy in Alzheimer's disease with cerebrovascular disease. <i>Journal of Neuroinflammation</i> , 2017, 14, 175.	7.2	35
21	Characterization of Glutamine Deamidation by Long-Length Electrostatic Repulsion-Hydrophilic Interaction Chromatography-Tandem Mass Spectrometry (LERLIC-MS/MS) in Shotgun Proteomics. <i>Analytical Chemistry</i> , 2016, 88, 10573-10582.	6.5	31
22	Nutrikinetic studies of food bioactive compounds: from <i>in vitro</i> to <i>in vivo</i> approaches. <i>International Journal of Food Sciences and Nutrition</i> , 2015, 66, S41-S52.	2.8	30
23	Application of dried spot cards as a rapid sample treatment method for determining hydroxytyrosol metabolites in human urine samples. Comparison with microelution solid-phase extraction. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 9179-9192.	3.7	29
24	Ginkgotides: Proline-Rich Hevein-Like Peptides from Gymnosperm Ginkgo biloba. <i>Frontiers in Plant Science</i> , 2016, 7, 1639.	3.6	29
25	Turning an Asparaginyl Endopeptidase into a Peptide Ligase. <i>ACS Catalysis</i> , 2020, 10, 8825-8834.	11.2	29
26	Uncovering Neurodegenerative Protein Modifications via Proteomic Profiling. <i>International Review of Neurobiology</i> , 2015, 121, 87-116.	2.0	28
27	<i>In vivo</i> distribution and deconjugation of hydroxytyrosol phase II metabolites in red blood cells: A potential new target for hydroxytyrosol. <i>Journal of Functional Foods</i> , 2014, 10, 139-143.	3.4	26
28	Temporal lobe proteins implicated in synaptic failure exhibit differential expression and deamidation in vascular dementia. <i>Neurochemistry International</i> , 2015, 80, 87-98.	3.8	26
29	Effect of the co-occurring components from olive oil and thyme extracts on the antioxidant status and its bioavailability in an acute ingestion in rats. <i>Food and Function</i> , 2014, 5, 740.	4.6	25
30	Flavanol metabolites distribute in visceral adipose depots after a long-term intake of grape seed proanthocyanidin extract in rats. <i>British Journal of Nutrition</i> , 2013, 110, 1411-1420.	2.3	24
31	Monocyte adhesion to atherosclerotic matrix proteins is enhanced by Asn-Gly-Arg deamidation. <i>Scientific Reports</i> , 2017, 7, 5765.	3.3	23
32	Vaccatides: Antifungal Glutamine-Rich Hevein-Like Peptides from <i>Vaccaria hispanica</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 1100.	3.6	23
33	Commercial processed soy-based food product contains glycosylated and glycoxidated lunasin proteoforms. <i>Scientific Reports</i> , 2016, 6, 26106.	3.3	22
34	Degenerative protein modifications in the aging vasculature and central nervous system: A problem shared is not always halved. <i>Ageing Research Reviews</i> , 2019, 53, 100909.	10.9	22
35	Astratides: Insulin-Modulating, Insecticidal, and Antifungal Cysteine-Rich Peptides from <i>Astragalus membranaceus</i> . <i>Journal of Natural Products</i> , 2019, 82, 194-204.	3.0	21
36	Plasma proteome coverage is increased by unique peptide recovery from sodium deoxycholate precipitate. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 1963-1973.	3.7	20

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37	Vascular Bed Molecular Profiling by Differential Systemic Decellularization In Vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 2396-2409.	2.4	16
38	Cysteine-Rich Peptide Family with Unusual Disulfide Connectivity from <i>Jasminum sambac</i> . <i>Journal of Natural Products</i> , 2015, 78, 2791-2799.	3.0	13
39	Characterization and application of natural and recombinant butelase-1 to improve industrial enzymes by end-to-end circularization. <i>RSC Advances</i> , 2021, 11, 23105-23112.	3.6	12
40	Adaptation of the standard enzymatic protocol (Megazyme method) to microplaque format for Î²-(1,3)(1,4)-d-glucan determination in cereal based samples with a wide range of Î²-glucan content. <i>Journal of Cereal Science</i> , 2014, 59, 224-227.	3.7	10
41	Potentides: New Cysteine-Rich Peptides with Unusual Disulfide Connectivity from <i>Potentilla anserina</i> . <i>ChemBioChem</i> , 2019, 20, 1995-2004.	2.6	10
42	Industrial By-Products As a Novel Circular Source of Biocompatible Extracellular Vesicles. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	10
43	Online Removal of Sodium Dodecyl Sulfate via Weak Cation Exchange in Liquid Chromatography-Mass Spectrometry Based Proteomics. <i>Journal of Proteome Research</i> , 2018, 17, 2390-2400.	3.7	9
44	The legumain McPAL1 from <i>Momordica cochinchinensis</i> is a highly stable Asx-specific splicing enzyme. <i>Journal of Biological Chemistry</i> , 2021, 297, 101325.	3.4	9
45	Plant-derived nootropics and human cognition: A systematic review. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 5521-5545.	10.3	9
46	Molecular diversity and function of jasmitides from <i>Jasminum sambac</i> . <i>BMC Plant Biology</i> , 2018, 18, 144.	3.6	8
47	Fetal programming of dietary fructose and saturated fat on hepatic quercetin glucuronidation in rats. <i>Nutrition</i> , 2012, 28, 1165-1171.	2.4	7
48	System-wide molecular dynamics of endothelial dysfunction in Gram-negative sepsis. <i>BMC Biology</i> , 2020, 18, 175.	3.8	6
49	LERLIC-MS/MS for In-depth Characterization and Quantification of Glutamine and Asparagine Deamidation in Shotgun Proteomics. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	4
50	Prooxidant modifications in the cryptome of beef jerky, the deleterious post-digestion composition of processed meat snacks. <i>Food Research International</i> , 2019, 125, 108569.	6.2	3
51	Bioavailability of procyanidin dimers and trimers and matrix food effects in <i>in vitro</i> and <i>in vivo</i> models - CORRIGENDUM. <i>British Journal of Nutrition</i> , 2013, 109, 2308-2308.	2.3	2
52	Identification of Arenin, a Novel Kunitz-Like Polypeptide from the Skin Secretions of Dryophytes arenicolor. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3644.	4.1	0