

Eduardo Maria Sommella

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

1,555
citations

257450

24
h-index

361022

35
g-index

66
all docs

66
docs citations

66
times ranked

2253
citing authors

#	ARTICLE	IF	CITATIONS
1	Indole-3-lactic acid, a metabolite of tryptophan, secreted by <i>Bifidobacterium longum</i> subspecies <i>infantis</i> is anti-inflammatory in the immature intestine. <i>Pediatric Research</i> , 2020, 88, 209-217.	2.3	145
2	Online Comprehensive RPLC—RPLC with Mass Spectrometry Detection for the Analysis of Proteome Samples. <i>Analytical Chemistry</i> , 2011, 83, 2485-2491.	6.5	60
3	Antioxidant peptides released from gastrointestinal digestion of “Stracchino” soft cheese: Characterization, in vitro intestinal protection and bioavailability. <i>Journal of Functional Foods</i> , 2016, 26, 494-505.	3.4	60
4	Different agronomic and fertilization systems affect polyphenolic profile, antioxidant capacity and mineral composition of lettuce. <i>Scientia Horticulturae</i> , 2016, 204, 106-115.	3.6	53
5	Novel Potent Decameric Peptide of <i>Spirulina platensis</i> Reduces Blood Pressure Levels Through a PI3K/AKT/eNOS-Dependent Mechanism. <i>Hypertension</i> , 2019, 73, 449-457.	2.7	53
6	Evaluation of anti-inflammatory activity and fast UHPLC—DAD—IT-TOF profiling of polyphenolic compounds extracted from green lettuce (<i>Lactuca sativa</i> L.; var. <i>Maravilla de Verano</i>). <i>Food Chemistry</i> , 2015, 167, 153-161.	8.2	52
7	Development of an improved online comprehensive hydrophilic interaction chromatography—Reversed-phase ultra-high-pressure liquid chromatography platform for complex multiclass polyphenolic sample analysis. <i>Journal of Separation Science</i> , 2017, 40, 2188-2197.	2.5	45
8	Peptidome profiles and bioactivity elucidation of buffalo-milk dairy products after gastrointestinal digestion. <i>Food Research International</i> , 2018, 105, 1003-1010.	6.2	44
9	Antioxidant Properties of Buffalo-Milk Dairy Products: A β -Lg Peptide Released after Gastrointestinal Digestion of Buffalo Ricotta Cheese Reduces Oxidative Stress in Intestinal Epithelial Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1955.	4.1	42
10	Quercetin-Induced miR-369-3p Suppresses Chronic Inflammatory Response Targeting C/EBP β . <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1801390.	3.3	42
11	Fast Profiling of Natural Pigments in Different <i>Spirulina</i> (<i>Arthrospira platensis</i>) Dietary Supplements by DI-FT-ICR and Evaluation of their Antioxidant Potential by Pre-Column DPPH-UHPLC Assay. <i>Molecules</i> , 2018, 23, 1152.	3.8	37
12	Antioxidant peptides from “Mozzarella di Bufala Campana DOP” after simulated gastrointestinal digestion: In vitro intestinal protection, bioavailability, and anti-haemolytic capacity. <i>Journal of Functional Foods</i> , 2015, 15, 365-375.	3.4	36
13	Chemical profiling of bioactive constituents in hop cones and pellets extracts by online comprehensive two-dimensional liquid chromatography with tandem mass spectrometry and direct infusion Fourier transform ion cyclotron resonance mass spectrometry. <i>Journal of Separation Science</i> , 2018, 41, 1548-1557.	2.5	36
14	Innovative Nanoparticles Enhance N-Palmitoylethanolamide Intraocular Delivery. <i>Frontiers in Pharmacology</i> , 2018, 9, 285.	3.5	35
15	UHPLC profiling and effects on LPS-stimulated J774A.1 macrophages of flavonoids from bergamot (<i>Citrus bergamia</i>) juice, an underestimated waste product with high anti-inflammatory potential. <i>Journal of Functional Foods</i> , 2014, 7, 641-649.	3.4	33
16	Detailed polyphenolic profiling of Annurca apple (<i>M. pumila</i> Miller cv <i>Annurca</i>) by a combination of RP-UHPLC and HILIC, both hyphenated to IT-TOF mass spectrometry. <i>Food Research International</i> , 2015, 76, 466-477.	6.2	32
17	<i>Morus alba</i> extract modulates blood pressure homeostasis through eNOS signaling. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 2304-2311.	3.3	32
18	A Novel Promising Frontier for Human Health: The Beneficial Effects of Nutraceuticals in Cardiovascular Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8706.	4.1	32

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19	Ocular Formulation Based on Palmitoylethanolamide-Loaded Nanostructured Lipid Carriers: Technological and Pharmacological Profile. <i>Nanomaterials</i> , 2020, 10, 287.	4.1	32
20	Bioavailable Citrus sinensis Extract: Polyphenolic Composition and Biological Activity. <i>Molecules</i> , 2017, 22, 623.	3.8	31
21	Metabolomics-assisted discovery of a new anticancer GLS-1 inhibitor chemotype from a nortopsentin-inspired library: From phenotype screening to target identification. <i>European Journal of Medicinal Chemistry</i> , 2022, 234, 114233.	5.5	28
22	Evaluation of two sub-2 μ m stationary phases, core-shell and totally porous monodisperse, in the second dimension of on-line comprehensive two dimensional liquid chromatography, a case study: Separation of milk peptides after expiration date. <i>Journal of Chromatography A</i> , 2015, 1375, 54-61.	3.7	27
23	Anti-inflammatory and antioxidant activity of polyphenolic extracts from <i>Lactuca sativa</i> (var. <i>Maravilla de Verano</i>) under different farming methods. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 4194-4206.	3.5	26
24	Untargeted lipidomics reveals specific lipid profiles in COVID-19 patients with different severity from Campania region (Italy). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 217, 114827.	2.8	25
25	Detailed peptide profiling of <i>Scotta</i> from a dairy waste to a source of potential health-promoting compounds. <i>Dairy Science and Technology</i> , 2016, 96, 763-771.	2.2	24
26	Secretory Leukoprotease Inhibitor (Slpi) Expression Is Required for Educating Murine Dendritic Cells Inflammatory Response Following Quercetin Exposure. <i>Nutrients</i> , 2017, 9, 706.	4.1	24
27	A Boost in Mitochondrial Activity Underpins the Cholesterol-Lowering Effect of Annurca Apple Polyphenols on Hepatic Cells. <i>Nutrients</i> , 2019, 11, 163.	4.1	24
28	Metabolic profiling, in vitro bioaccessibility and in vivo bioavailability of a commercial bioactive <i>Epilobium angustifolium</i> L. extract. <i>Biomedicine and Pharmacotherapy</i> , 2020, 131, 110670.	5.6	24
29	The Pomace Extract Taurisolo Protects Rat Brain From Ischemia-Reperfusion Injury. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 3.	3.7	23
30	Targeting the ASMase/S1P pathway protects from sortilin-evoked vascular damage in hypertension. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	23
31	Development of an online capillary comprehensive 2D μ LC system for the analysis of proteome samples. <i>Journal of Separation Science</i> , 2012, 35, 530-533.	2.5	22
32	Annurca Apple Polyphenols Protect Murine Hair Follicles from Taxane Induced Dystrophy and Hijacks Polyunsaturated Fatty Acid Metabolism toward β -Oxidation. <i>Nutrients</i> , 2018, 10, 1808.	4.1	20
33	Annurca Apple Polyphenols Ignite Keratin Production in Hair Follicles by Inhibiting the Pentose Phosphate Pathway and Amino Acid Oxidation. <i>Nutrients</i> , 2018, 10, 1406.	4.1	20
34	The Hepatoprotective Effect of Taurisolo, a Nutraceutical Enriched in Resveratrol and Polyphenols, Involves Activation of Mitochondrial Metabolism in Mice Liver. <i>Antioxidants</i> , 2020, 9, 410.	5.1	20
35	Ultra high performance liquid chromatography with ion-trap TOF-MS for the fast characterization of flavonoids in <i>Citrus bergamia</i> juice. <i>Journal of Separation Science</i> , 2013, 36, 3351-3355.	2.5	19
36	New Nutraceutical Combination Reduces Blood Pressure and Improves Exercise Capacity in Hypertensive Patients Via a Nitric Oxide-Dependent Mechanism. <i>Journal of the American Heart Association</i> , 2020, 9, e014923.	3.7	17

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37	Lipid Nanoparticles Traverse Non-Corneal Path to Reach the Posterior Eye Segment: In Vivo Evidence. <i>Molecules</i> , 2021, 26, 4673.	3.8	17
38	Polyphenolic Extract from Tarocco (<i>Citrus sinensis</i> L. Osbeck) Clone "Lempso" Exerts Anti-Inflammatory and Antioxidant Effects via NF- κ B and Nrf-2 Activation in Murine Macrophages. <i>Nutrients</i> , 2018, 10, 1961.	4.1	16
39	Flavonoid Composition of Tarocco (<i>Citrus sinensis</i> L. Osbeck) Clone "Lempso" and Fast Antioxidant Activity Screening by DPPH-UHPLC-PDA-IT-TOF. <i>Phytochemical Analysis</i> , 2017, 28, 521-528.	2.4	15
40	<i>Citrus aurantium</i> L. dry extracts promote C/ebp β expression and improve adipocyte differentiation in 3T3-L1 cells. <i>PLoS ONE</i> , 2018, 13, e0193704.	2.5	14
41	<i>Epilobium angustifolium</i> L. extract with high content in oenothien B on benign prostatic hyperplasia: A monocentric, randomized, double-blind, placebo-controlled clinical trial. <i>Biomedicine and Pharmacotherapy</i> , 2021, 138, 111414.	5.6	14
42	β -Lactoglobulin Heptapeptide Reduces Oxidative Stress in Intestinal Epithelial Cells and Angiotensin II-Induced Vasoconstriction on Mouse Mesenteric Arteries by Induction of Nuclear Factor Erythroid 2-Related Factor 2 (Nrf2) Translocation. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-13.	4.0	12
43	Hydroethanolic Extract of <i>Prunus domestica</i> L.: Metabolite Profiling and In Vitro Modulation of Molecular Mechanisms Associated to Cardiometabolic Diseases. <i>Nutrients</i> , 2022, 14, 340.	4.1	12
44	Comparison of Online Comprehensive HILIC- μ -RP and RP- μ -RP with Trapping Modulation Coupled to Mass Spectrometry for Microalgae Peptidomics. <i>Separations</i> , 2020, 7, 25.	2.4	11
45	Nutritional Regimes Enriched with Antioxidants as an Efficient Adjuvant for IBD Patients under Infliximab Administration, a Pilot Study. <i>Antioxidants</i> , 2022, 11, 138.	5.1	10
46	Development and application of a fast ultra-high performance liquid chromatography-trapped ion mobility mass spectrometry method for untargeted lipidomics. <i>Journal of Chromatography A</i> , 2022, 1673, 463124.	3.7	10
47	Aloe gel-base food products: Chemical, toxicological, and regulatory aspects. <i>Regulatory Toxicology and Pharmacology</i> , 2021, 119, 104818.	2.7	9
48	MALDI Mass Spectrometry Imaging Highlights Specific Metabolome and Lipidome Profiles in Salivary Gland Tumor Tissues. <i>Metabolites</i> , 2022, 12, 530.	2.9	9
49	Immunomodulatory activity of <i>Humulus lupulus</i> bitter acids fraction: Enhancement of natural killer cells function by NKp44 activating receptor stimulation. <i>Journal of Functional Foods</i> , 2019, 61, 103469.	3.4	8
50	Prenatal and Early Postnatal Cerebral Aspartate Depletion Influences Amino Acid Pathways, Bioenergetic processes, and Developmental Brain Metabolism. <i>Journal of Proteome Research</i> , 2021, 20, 727-739.	3.7	8
51	In vivo bioavailability and in vitro toxicological evaluation of the new butyric acid releaser N-(1-carbamoyl-2-phenyl-ethyl) butyramide. <i>Biomedicine and Pharmacotherapy</i> , 2021, 137, 111385.	5.6	8
52	Rapid Screening of Antioxidant Anthocyanins in Autochthonous Nero d'Avola Grape Clones by Pre-column DPPH Reaction Coupled to UHPLC-UV/Vis-IT-TOF: a Strategy to Combine Chemical data and Genetic Diversity. <i>Food Analytical Methods</i> , 2016, 9, 2780-2790.	2.6	7
53	Characterization of phase I and phase II metabolites of hop (<i>Humulus lupulus</i> L.) bitter acids: In vitro and in vivo metabolic profiling by UHPLC-Q-Orbitrap. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 201, 114107.	2.8	7
54	Lifestyle Habits and Exposure to BPA and Phthalates in Women of Childbearing Age from Northern Italy: A Pilot Study. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9710.	2.6	7

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55	In vitro effects of protein fractions from Controne beans (<i>Phaseolus vulgaris</i> L. ecotype Controne) on intestinal permeability, ACE and α -amylase activities. <i>European Food Research and Technology</i> , 2019, 245, 2311-2322.	3.3	6
56	Yield parameters and antioxidant compounds of tomato fruit: the role of plant defence inducers with or without <i>Cucumber mosaic virus</i> infection. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 5541-5549.	3.5	6
57	Exploiting GRK2 Inhibition as a Therapeutic Option in Experimental Cancer Treatment: Role of p53-Induced Mitochondrial Apoptosis. <i>Cancers</i> , 2020, 12, 3530.	3.7	6
58	Development of Chitosan/Mannitol Microparticles as Delivery System for the Oral Administration of a Spirulina Bioactive Peptide Extract. <i>Molecules</i> , 2020, 25, 2086.	3.8	6
59	Ultrasound-Assisted Extraction, Chemical Characterization, and Impact on Cell Viability of Food Wastes Derived from Southern Italy Autochthonous Citrus Fruits. <i>Antioxidants</i> , 2022, 11, 285.	5.1	6
60	Online comprehensive hydrophilic interaction chromatography Å - reversed phase liquid chromatography coupled to mass spectrometry for in depth peptidomic profile of microalgae gastro-intestinal digests. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 175, 112783.	2.8	5
61	Analysis of the metabolic switch induced by the spirulina peptide SP6 in high fat diet ApoE-/- mice model: A direct infusion FT-ICR-MS based approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 195, 113865.	2.8	5
62	Healthberry 865 Å and Its Related, Specific, Single Anthocyanins Exert a Direct Vascular Action, Modulating Both Endothelial Function and Oxidative Stress. <i>Antioxidants</i> , 2021, 10, 1191.	5.1	5
63	Hop-derived fraction rich in beta acids and prenylflavonoids regulates the inflammatory response in dendritic cells differently from quercetin: unveiling metabolic changes by mass spectrometry-based metabolomics. <i>Food and Function</i> , 2021, 12, 12800-12811.	4.6	5
64	Chemical Characterization and Preliminary Evaluation of the Efficacy and Tolerability of a Food Supplement Based on Pomegranate Extract, B Vitamins, and Vitamin C against Prolonged Fatigue in Healthy Consumers. <i>Processes</i> , 2022, 10, 208.	2.8	5
65	Modification of Lipid Profile in Commercial Cow Milk Samples before and after Their Expiration Date: Evaluation of Storage Crucial Parameters and Possible Environmentally Friendly Disposal Alternatives. <i>Journal of Food Quality</i> , 2018, 2018, 1-8.	2.6	4
66	Engineering the polyphenolic biosynthetic pathway stimulates metabolic and molecular changes during fruit ripening in Å Bronze Å tomato. <i>Horticulture Research</i> , 2022, 9, .	6.3	4