

Giuseppe Paglia

List of Publications by Year in descending order

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67
papers

3,825
citations

134610

34
h-index

145109

60
g-index

70
all docs

70
docs citations

70
times ranked

5745
citing authors

#	ARTICLE	IF	CITATIONS
1	Ion mobility mass spectrometry in the omics era: Challenges and opportunities for metabolomics and lipidomics. <i>Mass Spectrometry Reviews</i> , 2022, 41, 722-765.	2.8	87
2	A High-Throughput HILIC-MS-Based Metabolomic Assay for the Analysis of Polar Metabolites. <i>Methods in Molecular Biology</i> , 2022, 2396, 137-159.	0.4	4
3	Therapeutic induction of energy metabolism reduces neural tissue damage and increases microglia activation in severe spinal cord injury. <i>Pharmacological Research</i> , 2022, 178, 106149.	3.1	17
4	Whole Exome Sequencing Enhanced Imputation Identifies 85 Metabolite Associations in the Alpine CHRIS Cohort. <i>Metabolites</i> , 2022, 12, 604.	1.3	6
5	Metabolic Signature of Arrhythmogenic Cardiomyopathy. <i>Metabolites</i> , 2021, 11, 195.	1.3	5
6	Longitudinal Assessment of Chlorpyrifos Exposure in Farmers and Residents of an Italian Alpine Region. <i>Exposure and Health</i> , 2021, 13, 651-659.	2.8	3
7	Lipidomic Typing of Colorectal Cancer Tissue Containing Tumour-Infiltrating Lymphocytes by MALDI Mass Spectrometry Imaging. <i>Metabolites</i> , 2021, 11, 599.	1.3	13
8	Antigen Retrieval and Its Effect on the MALDI-MSI of Lipids in Formalin-Fixed Paraffin-Embedded Tissue. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1619-1624.	1.2	22
9	Lipidomics, Atrial Conduction, and Body Mass Index. <i>Circulation Genomic and Precision Medicine</i> , 2019, 12, e002384.	1.6	9
10	Traveling Wave Ion Mobility Mass Spectrometry: Metabolomics Applications. <i>Methods in Molecular Biology</i> , 2019, 1978, 39-53.	0.4	4
11	Metabolic reprogramming of Salmonella infected macrophages and its modulation by iron availability and the mTOR pathway. <i>Microbial Cell</i> , 2019, 6, 531-543.	1.4	13
12	Ion mobility-derived collision cross section database: Application to mycotoxin analysis. <i>Analytica Chimica Acta</i> , 2018, 1014, 50-57.	2.6	61
13	Metabolic Signature of Dietary Iron Overload in a Mouse Model. <i>Cells</i> , 2018, 7, 264.	1.8	31
14	Influence of collection tubes during quantitative targeted metabolomics studies in human blood samples. <i>Clinica Chimica Acta</i> , 2018, 486, 320-328.	0.5	44
15	Unbiased Lipidomics and Metabolomics of Human Brain Samples. <i>Methods in Molecular Biology</i> , 2018, 1750, 255-269.	0.4	13
16	Systems analysis of metabolism in platelet concentrates during storage in platelet additive solution. <i>Biochemical Journal</i> , 2018, 475, 2225-2240.	1.7	20
17	Evaluation of Seasonal Variability of Toxic and Essential Elements in Urine Analyzed by Inductively Coupled Plasma Mass Spectrometry. <i>Exposure and Health</i> , 2017, 9, 79-88.	2.8	11
18	Ion-Mobility Mass Spectrometry for Lipidomics Applications. <i>Neuromethods</i> , 2017, , 61-79.	0.2	5

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19	Metabolomics comparison of red cells stored in four additive solutions reveals differences in citrate anticoagulant permeability and metabolism. <i>Vox Sanguinis</i> , 2017, 112, 326-335.	0.7	46
20	Elucidating dynamic metabolic physiology through network integration of quantitative time-course metabolomics. <i>Scientific Reports</i> , 2017, 7, 46249.	1.6	121
21	Metabolomics and lipidomics using traveling-wave ion mobility mass spectrometry. <i>Nature Protocols</i> , 2017, 12, 797-813.	5.5	205
22	Dietary iron loading negatively affects liver mitochondrial function. <i>Metallomics</i> , 2017, 9, 1634-1644.	1.0	47
23	Quantitative time-course metabolomics in human red blood cells reveal the temperature dependence of human metabolic networks. <i>Journal of Biological Chemistry</i> , 2017, 292, 19556-19564.	1.6	45
24	Mannose and fructose metabolism in red blood cells during cold storage in SAGM. <i>Transfusion</i> , 2017, 57, 2665-2676.	0.8	14
25	Pre-analytic evaluation of volumetric absorptive microsampling and integration in a mass spectrometry-based metabolomics workflow. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 6263-6276.	1.9	44
26	Metabolic Profiling as a Screening Tool for Cytotoxic Compounds: Identification of 3-Alkyl Pyridine Alkaloids from Sponges Collected at a Shallow Water Hydrothermal Vent Site North of Iceland. <i>Marine Drugs</i> , 2017, 15, 52.	2.2	13
27	Recent Advances and Future Challenges in Modified Mycotoxin Analysis: Why HRMS Has Become a Key Instrument in Food Contaminant Research. <i>Toxins</i> , 2016, 8, 361.	1.5	56
28	Identified metabolic signature for assessing red blood cell unit quality is associated with endothelial damage markers and clinical outcomes. <i>Transfusion</i> , 2016, 56, 852-862.	0.8	105
29	A Consensus Genome-scale Reconstruction of Chinese Hamster Ovary Cell Metabolism. <i>Cell Systems</i> , 2016, 3, 434-443.e8.	2.9	205
30	A simple coculture system shows mutualism between anaerobic faecalibacteria and epithelial Caco-2 cells. <i>Scientific Reports</i> , 2016, 5, 17906.	1.6	57
31	Distinctive Pattern of Serum Elements During the Progression of Alzheimer's Disease. <i>Scientific Reports</i> , 2016, 6, 22769.	1.6	67
32	Environmental monitoring of the area surrounding oil wells in Val d'Agrè (Italy): element accumulation in bovine and ovine organs. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 338.	1.3	17
33	Biomarkers defining the metabolic age of red blood cells during cold storage. <i>Blood</i> , 2016, 128, e43-e50.	0.6	115
34	Characterization, chemometric evaluation, and human health-related aspects of essential and toxic elements in Italian honey samples by inductively coupled plasma mass spectrometry. <i>Environmental Science and Pollution Research</i> , 2016, 23, 25374-25384.	2.7	16
35	Metabolic fate of adenine in red blood cells during storage in SAGM solution. <i>Transfusion</i> , 2016, 56, 2538-2547.	0.8	39
36	Unbiased Metabolomic Investigation of Alzheimer's Disease Brain Points to Dysregulation of Mitochondrial Aspartate Metabolism. <i>Journal of Proteome Research</i> , 2016, 15, 608-618.	1.8	107

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37	Metabolic Analysis of Red Blood Cells Stored at High Temperature. <i>Blood</i> , 2016, 128, 3848-3848.	0.6	0
38	Ion Mobility-Derived Collision Cross Section As an Additional Measure for Lipid Fingerprinting and Identification. <i>Analytical Chemistry</i> , 2015, 87, 1137-1144.	3.2	245
39	Multidimensional Analytical Approach Based on UHPLC-UV-Ion Mobility-MS for the Screening of Natural Pigments. <i>Analytical Chemistry</i> , 2015, 87, 2593-2599.	3.2	50
40	Metabolomic analysis of platelets during storage: a comparison between apheresis- and buffy coat-derived platelet concentrates. <i>Transfusion</i> , 2015, 55, 301-313.	0.8	54
41	Applications of ion-mobility mass spectrometry for lipid analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4995-5007.	1.9	158
42	Prediction of intracellular metabolic states from extracellular metabolomic data. <i>Metabolomics</i> , 2015, 11, 603-619.	1.4	66
43	Biochemical Characterization of Human Gluconokinase and the Proposed Metabolic Impact of Gluconic Acid as Determined by Constraint Based Metabolic Network Analysis. <i>PLoS ONE</i> , 2014, 9, e98760.	1.1	28
44	Effects of abiotic stressors on lutein production in the green microalga <i>Dunaliella salina</i> . <i>Microbial Cell Factories</i> , 2014, 13, 3.	1.9	78
45	Ion Mobility Derived Collision Cross Sections to Support Metabolomics Applications. <i>Analytical Chemistry</i> , 2014, 86, 3985-3993.	3.2	279
46	Functional Metabolic Map of <i>Faecalibacterium prausnitzii</i> , a Beneficial Human Gut Microbe. <i>Journal of Bacteriology</i> , 2014, 196, 3289-3302.	1.0	173
47	Comprehensive metabolomic study of platelets reveals the expression of discrete metabolic phenotypes during storage. <i>Transfusion</i> , 2014, 54, 2911-2923.	0.8	61
48	Enhancement of carotenoid biosynthesis in the green microalga <i>Dunaliella salina</i> with light-emitting diodes and adaptive laboratory evolution. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 2395-2403.	1.7	227
49	Inferring the metabolism of human orphan metabolites from their metabolic network context affirms human gluconokinase activity. <i>Biochemical Journal</i> , 2013, 449, 427-435.	1.7	21
50	UPLC-UV-MSE analysis for quantification and identification of major carotenoid and chlorophyll species in algae. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 3145-3154.	1.9	67
51	Systems biology of stored blood cells: Can it help to extend the expiration date?. <i>Journal of Proteomics</i> , 2012, 76, 163-167.	1.2	17
52	Intracellular metabolite profiling of platelets: Evaluation of extraction processes and chromatographic strategies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 898, 111-120.	1.2	42
53	Monitoring metabolites consumption and secretion in cultured cells using ultra-performance liquid chromatography quadrupole-time of flight mass spectrometry (UPLC-Q-ToF-MS). <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 1183-1198.	1.9	74
54	Profiling of acylcarnitines and sterols from dried blood or plasma spot by atmospheric pressure thermal desorption chemical ionization (APTDCI) tandem mass spectrometry. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011, 1811, 669-679.	1.2	13

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55	Orotic acid quantification in dried blood spots and biological fluids by hydrophilic interaction liquid chromatography tandem mass spectrometry. <i>Journal of Separation Science</i> , 2010, 33, 966-973.	1.3	21
56	A powerful couple in the future of clinical biochemistry: <i>in situ</i> analysis of dried blood spots by ambient mass spectrometry. <i>Bioanalysis</i> , 2010, 2, 1883-1891.	0.6	26
57	Desorption Electrospray Ionization Mass Spectrometry Analysis of Lipids after Two-Dimensional High-Performance Thin-Layer Chromatography Partial Separation. <i>Analytical Chemistry</i> , 2010, 82, 1744-1750.	3.2	80
58	Direct analysis of sterols from dried plasma/blood spots by an atmospheric pressure thermal desorption chemical ionization mass spectrometry (APTDCI-MS) method for a rapid screening of Smithâ€“Lemliâ€“Opitz syndrome. <i>Analyst</i> , The, 2010, 135, 789.	1.7	30
59	Forensic applications of ambient ionization mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 1995-2008.	1.9	164
60	Precursor ion scan profiles of acylcarnitines by atmospheric pressure thermal desorption chemical ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 3809-3815.	0.7	13
61	Evaluation of mobile phase, ion pairing, and temperature influence on an HILICâ€“MS/MS method for L-arginine and its dimethylated derivatives detection. <i>Journal of Separation Science</i> , 2008, 31, 2424-2429.	1.3	27
62	Determination of dimethylarginine levels in rats using HILICâ€“MS/MS: An <i>in vivo</i> microdialysis study. <i>Journal of Separation Science</i> , 2008, 31, 2511-2515.	1.3	11
63	Development and validation of a fast quantitative method for plasma dimethylarginines analysis using liquid chromatographyâ€“tandem mass spectrometry. <i>Clinical Biochemistry</i> , 2008, 41, 1391-1395.	0.8	34
64	The accuracy of oxcarbazepine (OXC) quantification by a liquid chromatography/tandem mass spectrometry method is influenced by the ion source fragmentation of its metabolite trans-diol-carbazepine (DHD). <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 269-272.	0.7	8
65	Neutral loss analysis of amino acids by desorption electrospray ionization using an unmodified tandem quadrupole mass spectrometer. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 3777-3784.	0.7	25
66	Development and validation of a LC/MS/MS method for simultaneous quantification of oxcarbazepine and its main metabolites in human serum. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 860, 153-159.	1.2	41
67	High Intensity Concentric-Eccentric Exercise Under Hypoxia Changes the Blood Metabolome of Trained Athletes. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	3