

# Giuseppe Ml Pieraccini

## List of Publications by Year in descending order

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98  
papers

9,486  
citations

136950

32  
h-index

54911

84  
g-index

99  
all docs

99  
docs citations

99  
times ranked

15343  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of diet in shaping gut microbiota revealed by a comparative study in children from Europe and rural Africa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 14691-14696.	7.1	4,561
2	Tryptophan Catabolites from Microbiota Engage Aryl Hydrocarbon Receptor and Balance Mucosal Reactivity via Interleukin-22. <i>Immunity</i> , 2013, 39, 372-385.	14.3	1,663
3	Diet, Environments, and Gut Microbiota. A Preliminary Investigation in Children Living in Rural and Urban Burkina Faso and Italy. <i>Frontiers in Microbiology</i> , 2017, 8, 1979.	3.5	222
4	The Inactivation Mechanism of Low Molecular Weight Phosphotyrosine-protein Phosphatase by H <sub>2</sub> O <sub>2</sub> . <i>Journal of Biological Chemistry</i> , 1998, 273, 32554-32560.	3.4	190
5	Primary Aromatic Amines from Side-Stream Cigarette Smoke are Common Contaminants of Indoor Air. <i>Toxicology and Industrial Health</i> , 1993, 9, 405-413.	1.4	108
6	Exploring metallodrug-protein interactions by mass spectrometry: comparisons between platinum coordination complexes and an organometallic ruthenium compound. <i>Journal of Biological Inorganic Chemistry</i> , 2009, 14, 761-770.	2.6	98
7	Thioredoxin reductase, an emerging target for anticancer metallodrugs. Enzyme inhibition by cytotoxic gold(III) compounds studied with combined mass spectrometry and biochemical assays. <i>MedChemComm</i> , 2011, 2, 50-54.	3.4	94
8	Exploring Metallodrug-Protein Interactions by ESI Mass Spectrometry: The Reaction of Anticancer Platinum Drugs with Horse Heart Cytochrome <i>c</i> . <i>ChemMedChem</i> , 2006, 1, 413-417.	3.2	91
9	Rapid assay of topiramate in dried blood spots by a new liquid chromatography-tandem mass spectrometric method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 1392-1396.	2.8	87
10	ESI-MS Characterisation of Protein Adducts of Anticancer Ruthenium(II)-Arene PTA (RAPTA) Complexes. <i>ChemMedChem</i> , 2007, 2, 631-635.	3.2	86
11	Diversity, abundance, and sex-specific expression of chemosensory proteins in the reproductive organs of the locust <i>Locusta migratoria manilensis</i> . <i>Biological Chemistry</i> , 2013, 394, 43-54.	2.5	83
12	[Au <sub>2</sub> (phen) <sub>2</sub> (Me) <sub>2</sub> (O)](PF <sub>6</sub> ) <sub>2</sub> , a Novel Dinuclear Gold(III) Complex Showing Excellent Antiproliferative Properties. <i>ACS Medicinal Chemistry Letters</i> , 2010, 1, 336-339.	2.8	79
13	Odour signals major histocompatibility complex genotype in an Old World monkey. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 274-280.	2.6	79
14	Dominulin A and B: Two new antibacterial peptides identified on the cuticle and in the venom of the social paper wasp <i>Polistes dominulus</i> using MALDI-TOF, MALDI-TOF/TOF, and ESI-ion trap. <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 376-383.	2.8	78
15	The Association With Two Different Arbuscular Mycorrhizal Fungi Differently Affects Water Stress Tolerance in Tomato. <i>Frontiers in Plant Science</i> , 2018, 9, 1480.	3.6	77
16	Identification and determination of mainstream and sidestream smoke components in different brands and types of cigarettes by means of solid-phase microextraction-gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2008, 1180, 138-150.	3.7	72
17	Mapping the Expression of Soluble Olfactory Proteins in the Honeybee. <i>Journal of Proteome Research</i> , 2010, 9, 1822-1833.	3.7	70
18	Seladin-1/DHCR24 protects neuroblastoma cells against A $\beta$ <sup>2</sup> toxicity by increasing membrane cholesterol content. <i>Journal of Cellular and Molecular Medicine</i> , 2008, 12, 1990-2002.	3.6	64

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19	Identification of the Nicotinamide Salvage Pathway as a New Toxication Route for Antimetabolites. <i>Cell Chemical Biology</i> , 2018, 25, 471-482.e7.	5.2	55
20	MALDI Mass Spectrometry Imaging, from its Origins up to Today: The State of the Art. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2009, 12, 156-174.	1.1	54
21	Rapid quantitation of globotriaosylceramide in human plasma and urine: a potential application for monitoring enzyme replacement therapy in Anderson-Fabry disease. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 1507-1514.	1.5	51
22	Unambiguous characterization and tissue localization of Pru P 3 peach allergen by electrospray mass spectrometry and MALDI imaging. <i>Journal of Mass Spectrometry</i> , 2009, 44, 891-897.	1.6	51
23	Steroidal and non-steroidal third-generation aromatase inhibitors induce pain-like symptoms via TRPA1. <i>Nature Communications</i> , 2014, 5, 5736.	12.8	51
24	New gas-chromatographic/mass spectrometric method for the quantitative analysis of primary aromatic amines in main- and side-stream cigarette smoke. I. <i>Rapid Communications in Mass Spectrometry</i> , 1992, 6, 406-409.	1.5	49
25	Thiazolidinediones inhibit hepatocarcinogenesis in hepatitis B virus-transgenic mice by peroxisome proliferator-activated receptor $\beta$ -independent regulation of nucleophosmin. <i>Hepatology</i> , 2010, 52, 493-505.	7.3	49
26	Solid-phase Microextraction of Insect Epicuticular Hydrocarbons for Gas Chromatographic/Mass Spectrometric Analysis. , 1997, 11, 857-862.		48
27	Preliminary evaluation of a lateral flow immunoassay device for screening urine samples for the presence of sulphamethazine. <i>Journal of Immunological Methods</i> , 2003, 278, 117-126.	1.4	47
28	Optimizing therapeutic outcomes of immune checkpoint blockade by a microbial tryptophan metabolite. , 2022, 10, e003725.		39
29	Development of a solid phase microextraction method for detection of the use of banned azo dyes in coloured textiles and leather. , 1999, 13, 1833-1837.		38
30	Reactivity and Biological Properties of a Series of Cytotoxic Pt(II)(amine) <sub>2</sub> Complexes, Either <i>cis</i> or <i>trans</i> Configured. <i>Inorganic Chemistry</i> , 2012, 51, 1717-1726.	4.0	38
31	Ion-molecule reactions of ionic species from acetonitrile with unsaturated hydrocarbons for the identification of the double-bond position using an ion trap. <i>Journal of Mass Spectrometry</i> , 1997, 32, 1371-1373.	1.6	37
32	Epoetin alpha, epoetin beta and darbepoetin alfa: Two-dimensional gel electrophoresis isoforms characterization and mass spectrometry analysis. <i>Proteomics</i> , 2003, 3, 937-941.	2.2	37
33	Sternal Gland Scent-Marking Signals Sex, Age, Rank, and Group Identity in Captive Mandrills. <i>Chemical Senses</i> , 2016, 41, bfv077.	2.0	37
34	Peculiar mechanistic and structural features of the carboplatin-cytochrome c system revealed by ESI-MS analysis. <i>Journal of Biological Inorganic Chemistry</i> , 2008, 13, 755-764.	2.6	35
35	High <i>Varroa</i> mite abundance influences chemical profiles of worker bees and mite-host preferences. <i>Journal of Experimental Biology</i> , 2014, 217, 2998-3001.	1.7	35
36	Host and Microbial Tryptophan Metabolic Profiling in Multiple Sclerosis. <i>Frontiers in Immunology</i> , 2020, 11, 157.	4.8	35

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37	Liquid chromatography tandem mass spectrometric quantitation of sulfamethazine and its metabolites: direct analysis of swine urine by triple quadrupole and by ion trap mass spectrometry. , 2000, 14, 967-973.		33
38	Gas chromatographic determination of glutaraldehyde in the workplace atmosphere after derivatization with O-(2,3,4,5,6-pentafluorobenzyl)hydroxylamine on a solid-phase microextraction fibre. Journal of Chromatography A, 2002, 955, 117-124.	3.7	31
39	An insight on the alkaloid content of Capparis spinosa L. root by HPLC-DAD-MS, MS/MS and 1H qNMR. Journal of Pharmaceutical and Biomedical Analysis, 2016, 123, 53-62.	2.8	31
40	Acute liver damage due to <i>Serenoa repens</i> : a case report. British Journal of Clinical Pharmacology, 2010, 69, 558-560.	2.4	30
41	Mass spectrometry and metallomics: A general protocol to assess stability of metallodrug-protein adducts in bottom-up MS experiments. Talanta, 2017, 167, 30-38.	5.5	30
42	Volatiles from the venom of five species of paper wasps ( <i>Polistes dominulus</i> , <i>P. gallicus</i> , <i>P. nimphus</i> , <i>P.</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.6	29
43	Food supplements of <i>Tribulus terrestris</i> L.: An HPLC-ESI-MS method for an estimation of the saponin content. Chromatographia, 2003, 57, 581-592.	1.3	28
44	Optimized hydrolytic methods by response surface methodology to accurately estimate the phenols in cereal by HPLC-DAD: The case of millet. Food Chemistry, 2020, 303, 125393.	8.2	27
45	Acetonitrile as an Effective Reactant Species for Positive-ion Chemical Ionization of Hydrocarbons by Ion-trap Mass Spectrometry. Rapid Communications in Mass Spectrometry, 1996, 10, 167-170.	1.5	26
46	Histone proteins determined in a human colon cancer by high-performance liquid chromatography and mass spectrometry. Journal of Chromatography A, 2006, 1129, 73-81.	3.7	25
47	Antibiotic delivery by liposomes from prokaryotic microorganisms: Similia cum similis works better. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 94, 411-418.	4.3	25
48	Nestmate recognition in <i>Parasitochus striatula</i> (Hymenoptera Stenogastrinae), visual and olfactory recognition cues. Journal of Insect Physiology, 2001, 47, 1013-1020.	2.0	24
49	Vitamin D3 quantification in a cod liver oil-based supplement. Journal of Pharmaceutical and Biomedical Analysis, 2011, 55, 64-70.	2.8	24
50	Combined HPLC-DAD-MS, HPLC-MSn and NMR spectroscopy for quality control of plant extracts: The case of a commercial blend sold as dietary supplement. Journal of Pharmaceutical and Biomedical Analysis, 2014, 88, 7-15.	2.8	24
51	Exploring Proteins in <i>Anopheles gambiae</i> Male and Female Antennae through MALDI Mass Spectrometry Profiling. PLoS ONE, 2008, 3, e2822.	2.5	24
52	Three-dimensional molecular reconstruction of rat heart with mass spectrometry imaging. Analytical and Bioanalytical Chemistry, 2012, 404, 2927-2938.	3.7	23
53	Impact of Drug Administration Route on Drug Delivery and Distribution into the Lung: An Imaging Mass Spectrometry Approach. European Journal of Mass Spectrometry, 2013, 19, 475-482.	1.0	23
54	Use of solid-phase microextraction in the investigation of chemical communication in social wasps. Journal of Chromatography A, 2000, 873, 73-77.	3.7	21

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55	Habitually used hibernation sites of paper wasps are marked with venom and cuticular peptides. <i>Current Biology</i> , 2006, 16, R530-R531.	3.9	21
56	Do collisions inside the collision cell play a relevant role in CID-LIFT experiments?. <i>Journal of Mass Spectrometry</i> , 2007, 42, 117-126.	1.6	21
57	Cuticular Hydrocarbons Rather Than Peptides Are Responsible for Nestmate Recognition in <i>Polistes dominulus</i> . <i>Chemical Senses</i> , 2011, 36, 715-723.	2.0	21
58	Sensing the intruder: a quantitative threshold for recognition cues perception in honeybees. <i>Die Naturwissenschaften</i> , 2014, 101, 149-152.	1.6	21
59	CSF proteomic analysis in patients with normal pressure hydrocephalus selected for the shunt: CSF biomarkers of response to surgical treatment. <i>Neurological Sciences</i> , 2010, 31, 283-291.	1.9	20
60	Quality by Design as a risk-based strategy in pharmaceutical analysis: Development of a liquid chromatography-tandem mass spectrometry method for the determination of nintedanib and its impurities. <i>Journal of Chromatography A</i> , 2020, 1611, 460615.	3.7	20
61	Acetonitrile in chemical ionization of monounsaturated hydrocarbons: a <sup>13</sup> C and <sup>2</sup> H labeling study. , 1998, 33, 1148-1149.		19
62	The effects of CA IX catalysis products within tumor microenvironment. <i>Cell Communication and Signaling</i> , 2013, 11, 81.	6.5	18
63	HYBRIDIZATION, NATURAL SELECTION, AND EVOLUTION OF REPRODUCTIVE ISOLATION: A 25-YEARS SURVEY OF AN ARTIFICIAL SYMPATRIC AREA BETWEEN TWO MOSQUITO SIBLING SPECIES OF THE <i>Aedes mariae</i> COMPLEX. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 3030-3038.	2.3	18
64	Defensive role of secretion of ectal mandibular glands of the wasp <i>Polistes dominulus</i> . <i>Journal of Chemical Ecology</i> , 2001, 27, 569-579.	1.8	16
65	Quaternary ammonium compounds in roots and leaves of <i>Capparis spinosa</i> L. from Saudi Arabia and Italy: investigation by HPLC-MS and <sup>1</sup> H NMR. <i>Natural Product Research</i> , 2019, 33, 1322-1328.	1.8	16
66	<i>Aspergillus fumigatus</i> tryptophan metabolic route differently affects host immunity. <i>Cell Reports</i> , 2021, 34, 108673.	6.4	16
67	Metabolic responses of the limpet <i>Patella caerulea</i> (L.) to anoxia and dehydration. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2001, 130, 1-8.	1.8	15
68	Reactions of ionic species from acetonitrile with long-chain saturated and unsaturated alcohols. , 1999, 34, 1354-1360.		14
69	Learning from other diseases: protection and pathology in chronic fungal infections. <i>Seminars in Immunopathology</i> , 2016, 38, 239-248.	6.1	14
70	Effects of a water extract of <i>Lepidium meyenii</i> root in different models of persistent pain in rats. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2017, 72, 449-457.	1.4	14
71	Sample preparation strategy for the detection of steroid-like compounds using MALDI mass spectrometry imaging: pulmonary distribution of budesonide as a case study. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 4363-4371.	3.7	13
72	Top-down sequencing of <i>Apis dorsata</i> apamin by MALDI-TOF MS and evidence of its inactivity against microorganisms. <i>Toxicon</i> , 2013, 71, 105-112.	1.6	12

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73	Study on a Fermented Whole Wheat: Phenolic Content, Activity on PTP1B Enzyme and In Vitro Prebiotic Properties. <i>Molecules</i> , 2019, 24, 1120.	3.8	11
74	Anything to declare? Possible risks for patients' health resulting from undeclared plants in herbal supplements. <i>British Journal of Clinical Pharmacology</i> , 2012, 73, 482-483.	2.4	10
75	Telomerase activated thymidine analogue pro-drug is a new molecule targeting hepatocellular carcinoma. <i>Journal of Hepatology</i> , 2014, 61, 1064-1072.	3.7	10
76	A comparative evaluation of continuous flow fast atom bombardment and ion spray ionization techniques for the simultaneous determination of alkyltrimethylammonium surfactants by mass spectrometry. , 1998, 12, 281-284.		9
77	Chemical and microbiological characterization of drinking water after filtration with a domestic-size charcoal column and ultraviolet sterilization. <i>Urban Water</i> , 2000, 2, 13-20.	0.5	8
78	Anatomical Investigation and GC/MS Analysis of "Coco de Mer"™, <i>Lodoicea maldivica</i> (Arecaceae). <i>Chemistry and Biodiversity</i> , 2020, 17, e2000707.	2.1	8
79	In vitro characterization and in vivo comparison of the pulmonary outcomes of Poractant alfa and Calsurf in ventilated preterm rabbits. <i>PLoS ONE</i> , 2020, 15, e0230229.	2.5	7
80	Influence of <i>Helix pomatia</i> Enzyme Preparations on the Oxidative Conversion of Some Clostebol Acetate Metabolites in Urine. <i>Journal of Analytical Toxicology</i> , 2002, 26, 73-80.	2.8	6
81	Quantitative analysis of the molecular species of monosialogangliosides by continuous-flow fast-atom bombardment mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1991, 5, 618-621.	1.5	5
82	Screening of Clostebol and its Metabolites in Bovine Urine with ELISA and Comparison with GC-MS Results in an Interlaboratory Study. <i>Journal of Analytical Toxicology</i> , 2003, 27, 213-220.	2.8	5
83	Identification by Gas Chromatography-Mass Spectrometry of an Adduct Between Pure Pig Plasma Benzylamine Oxidase and the Inhibitor 3,5-Diethoxy-4-Aminomethylpyridine. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 1995, 8, 267-279.	0.5	4
84	Direct coupling of a nano-high-performance liquid chromatography column to an ion trap designed for a gas chromatography/mass spectrometry system. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 1609-1617.	1.5	4
85	What's new on total phenols and 3-oryzanol derivatives in wheat? A comparison between modern and ancient varieties. <i>Journal of Food Composition and Analysis</i> , 2022, 109, 104453.	3.9	4
86	Proteomics of arthropod soluble olfactory proteins. <i>Methods in Enzymology</i> , 2020, 642, 81-102.	1.0	3
87	A Shifted Composition of the Lung Microbiota Conditions the Antifungal Response of Immunodeficient Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8474.	4.1	3
88	Clodronate acts on human osteoclastic cell proliferation, differentiation and function in a bioreversible manner. <i>Clinical Cases in Mineral and Bone Metabolism</i> , 2007, 4, 146-55.	1.0	2
89	Modulation of the Wheat Seed-Borne Bacterial Community by <i>Herbaspirillum seropedicae</i> RAM10 and Its Potential Effects for Tryptophan Metabolism in the Root Endosphere. <i>Frontiers in Microbiology</i> , 2021, 12, 792921.	3.5	2
90	Steryl ferulates composition in twenty-two millet samples: Do "microwave popping" and fermentation affect their content?. <i>Food Chemistry</i> , 2022, 391, 133222.	8.2	1

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91	Release of quinolinic acid from rat brain hippocampus. <i>Pharmacological Research</i> , 1990, 22, 274.	7.1	0
92	Surfactant-Assisted Distal Pulmonary Distribution of Budesonide Revealed by Mass Spectrometry Imaging. <i>Pharmaceutics</i> , 2021, 13, 868.	4.5	0
93	Title is missing!. , 2020, 15, e0230229.		0
94	Title is missing!. , 2020, 15, e0230229.		0
95	Title is missing!. , 2020, 15, e0230229.		0
96	Title is missing!. , 2020, 15, e0230229.		0
97	Title is missing!. , 2020, 15, e0230229.		0
98	Title is missing!. , 2020, 15, e0230229.		0