

Matteo Ramazzotti

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

6,920
citations

257357

24
h-index

88593

70
g-index

78
all docs

78
docs citations

78
times ranked

12679
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. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14691-14696.	3.3	4,561
2	Diet, Environments, and Gut Microbiota. A Preliminary Investigation in Children Living in Rural and Urban Burkina Faso and Italy. Frontiers in Microbiology, 2017, 8, 1979.	1.5	222
3	Toxicity of Protein Oligomers Is Rationalized by a Function Combining Size and Surface Hydrophobicity. ACS Chemical Biology, 2014, 9, 2309-2317.	1.6	166
4	Nature and Significance of the Interactions between Amyloid Fibrils and Biological Polyelectrolytes. Biochemistry, 2006, 45, 12806-12815.	1.2	128
5	Prediction of amyloid aggregation <i>in vivo</i> . EMBO Reports, 2011, 12, 657-663.	2.0	107
6	Aggregation Propensity of the Human Proteome. PLoS Computational Biology, 2008, 4, e1000199.	1.5	81
7	Mesenchymal to amoeboid transition is associated with stem-like features of melanoma cells. Cell Communication and Signaling, 2014, 12, 24.	2.7	77
8	Glycine Residues Appear to Be Evolutionarily Conserved for Their Ability to Inhibit Aggregation. Structure, 2005, 13, 1143-1151.	1.6	74
9	recluster: an unbiased clustering procedure for beta-diversity turnover. Ecography, 2013, 36, 1070-1075.	2.1	71
10	Bioinformatic approaches for functional annotation and pathway inference in metagenomics data. Briefings in Bioinformatics, 2012, 13, 696-710.	3.2	70
11	Amyloid Formation of a Protein in the Absence of Initial Unfolding and Destabilization of the Native State. Biophysical Journal, 2005, 89, 4234-4244.	0.2	67
12	Reprogramming of Amino Acid Transporters to Support Aspartate and Glutamate Dependency Sustains Endocrine Resistance in Breast Cancer. Cell Reports, 2019, 28, 104-118.e8.	2.9	67
13	Efficient carbon, nitrogen and phosphorus removal from low C/N real domestic wastewater with aerobic granular sludge. Bioresource Technology, 2020, 305, 122961.	4.8	66
14	<i>Eomes</i> controls the development of Th17-derived (non-classic) Th1 cells during chronic inflammation. European Journal of Immunology, 2019, 49, 79-95.	1.6	64
15	A Pilot Study on Ocular Safety of Intravitreal Infliximab in a Rabbit Model. , 2008, 49, 1151.		60
16	Mitochondrial oxidative metabolism contributes to a cancer stem cell phenotype in cholangiocarcinoma. Journal of Hepatology, 2021, 74, 1373-1385.	1.8	60
17	The Distribution of Residues in a Polypeptide Sequence Is a Determinant of Aggregation Optimized by Evolution. Biophysical Journal, 2007, 93, 4382-4391.	0.2	55
18	Insight into Molecular and Functional Properties of NMNAT3 Reveals New Hints of NAD Homeostasis within Human Mitochondria. PLoS ONE, 2013, 8, e76938.	1.1	50

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19	The polyphenol Oleuropein aglycone hinders the growth of toxic transthyretin amyloid assemblies. <i>Journal of Nutritional Biochemistry</i> , 2016, 30, 153-166.	1.9	39
20	Significant and Conflicting Correlation of IL-9 With <i>Prevotella</i> and <i>Bacteroides</i> in Human Colorectal Cancer. <i>Frontiers in Immunology</i> , 2020, 11, 573158.	2.2	37
21	Polyglutamine Repeats Are Associated to Specific Sequence Biases That Are Conserved among Eukaryotes. <i>PLoS ONE</i> , 2012, 7, e30824.	1.1	32
22	Anti-inflammatory properties of the marine plant <i>Posidonia oceanica</i> (L.) Delile. <i>Journal of Ethnopharmacology</i> , 2020, 247, 112252.	2.0	32
23	Butyrate-Rich Diets Improve Redox Status and Fibrin Lysis in Behçet's Syndrome. <i>Circulation Research</i> , 2021, 128, 278-280.	2.0	31
24	Population genomics reveals evolution and variation of <i>Saccharomyces cerevisiae</i> in the human and insects gut. <i>Environmental Microbiology</i> , 2019, 21, 50-71.	1.8	30
25	Analytic investigations on protein content in refined seed oils: Implications in food allergy. <i>Food and Chemical Toxicology</i> , 2008, 46, 3383-3388.	1.8	29
26	Bioactive Compounds from <i>Posidonia oceanica</i> (L.) Delile Impair Malignant Cell Migration through Autophagy Modulation. <i>Marine Drugs</i> , 2018, 16, 137.	2.2	27
27	Antioxidant and anti-inflammatory properties of sourdoughs containing selected <i>Lactobacilli</i> strains are retained in breads. <i>Food Chemistry</i> , 2020, 322, 126710.	4.2	27
28	Mechanisms for the inhibition of amyloid aggregation by small ligands. <i>Bioscience Reports</i> , 2016, 36, .	1.1	26
29	Uncommon clinical presentations of pheochromocytoma and paraganglioma in two different patients affected by two distinct novel VHL germline mutations. <i>Clinical Endocrinology</i> , 2008, 68, 762-768.	1.2	24
30	Angiotensin II upregulates renin-angiotensin system in human isolated T lymphocytes. <i>Regulatory Peptides</i> , 2008, 151, 1-6.	1.9	24
31	Comparative immunophenotyping of <i>Saccharomyces cerevisiae</i> and <i>Candida</i> spp. strains from Crohn's disease patients and their interactions with the gut microbiome. <i>Journal of Translational Autoimmunity</i> , 2020, 3, 100036.	2.0	24
32	Hydrophilic extract from <i>Posidonia oceanica</i> inhibits activity and expression of gelatinases and prevents HT1080 human fibrosarcoma cell line invasion. <i>Cell Adhesion and Migration</i> , 2015, 9, 422-431.	1.1	23
33	Molecular insights into cell toxicity of a novel familial amyloidogenic variant of Î²2-microglobulin. <i>Journal of Cellular and Molecular Medicine</i> , 2016, 20, 1443-1456.	1.6	23
34	Oxadiazon affects the expression and activity of aldehyde dehydrogenase and acylphosphatase in human striatal precursor cells: A possible role in neurotoxicity. <i>Toxicology</i> , 2019, 411, 110-121.	2.0	23
35	Stromal-induced downregulation of miR-1247 promotes prostate cancer malignancy. <i>Journal of Cellular Physiology</i> , 2019, 234, 8274-8285.	2.0	21
36	A computational pipeline to discover highly phylogenetically informative genes in sequenced genomes: application to <i>Saccharomyces cerevisiae</i> natural strains. <i>Nucleic Acids Research</i> , 2012, 40, 3834-3848.	6.5	20

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37	Intravitreal Infliximab Clearance in a Rabbit Model: Different Sampling Methods and Assay Techniques. , 2009, 50, 5328.		19
38	Diving into Inflammation: A Pilot Study Exploring the Dynamics of the Immune-Microbiota Axis in Ileal Tissue Layers of Patients with Crohn's Disease. Journal of Crohn's and Colitis, 2021, 15, 1500-1516.	0.6	19
39	Three-dimensional structural characterization of a novel <i>Drosophila melanogaster</i> acylphosphatase. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 1177-1179.	2.5	18
40	Musculin inhibits human T-helper 17 cell response to interleukin 2 by controlling STAT5B activity. European Journal of Immunology, 2017, 47, 1427-1442.	1.6	18
41	Annona cherimola Miller Fruit as a Promising Candidate against Diabetic Complications: An In Vitro Study and Preliminary Clinical Results. Foods, 2020, 9, 1350.	1.9	16
42	IL411 Is Expressed by Head-Neck Cancer-Derived Mesenchymal Stromal Cells and Contributes to Suppress T Cell Proliferation. Journal of Clinical Medicine, 2021, 10, 2111.	1.0	16
43	In vitro anti-glycation activity of the marine plant <i>Posidonia oceanica</i> (L.) Delile. Journal of Ethnopharmacology, 2020, 259, 112960.	2.0	16
44	Characterization of a novel <i>Drosophila melanogaster</i> acylphosphatase. FEBS Letters, 2003, 535, 171-174.	1.3	15
45	NMR solution structure of the acylphosphatase from <i>Escherichia coli</i> . Journal of Biomolecular NMR, 2006, 36, 199-204.	1.6	15
46	riboFrame: An Improved Method for Microbial Taxonomy Profiling from Non-Targeted Metagenomics. Frontiers in Genetics, 2015, 6, 329.	1.1	15
47	The protease-inhibitor SerpinB3 as a critical modulator of the stem-like subset in human cholangiocarcinoma. Liver International, 2022, 42, 233-248.	1.9	15
48	Survival of metastatic melanoma patients after dendritic cell vaccination correlates with expression of leukocyte phosphatidylethanolamine-binding protein 1/Raf kinase inhibitory protein. Oncotarget, 2017, 8, 67439-67456.	0.8	15
49	The Folding Process of Acylphosphatase from <i>Escherichia coli</i> is Remarkably Accelerated by the Presence of a Disulfide Bond. Journal of Molecular Biology, 2008, 379, 1107-1118.	2.0	14
50	From the Evolution of Protein Sequences Able to Resist Self-Assembly to the Prediction of Aggregation Propensity. International Review of Cell and Molecular Biology, 2017, 329, 1-47.	1.6	13
51	16S rRNA-Based Taxonomy Profiling in the Metagenomics Era. , 2018, , 103-119.		12
52	miR-210-3p mediates metabolic adaptation and sustains DNA damage repair of resistant colon cancer cells to treatment with 5-fluorouracil. Molecular Carcinogenesis, 2019, 58, 2181-2192.	1.3	11
53	The intrachain disulfide bridge is responsible of the unusual stability properties of novel acylphosphatase from <i>Escherichia coli</i> . FEBS Letters, 2006, 580, 6763-6768.	1.3	10
54	Chitinase 3-like-1 is produced by human Th17 cells and correlates with the level of inflammation in juvenile idiopathic arthritis patients. Clinical and Molecular Allergy, 2016, 14, 16.	0.8	10

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55	A novel universal primer pair for prokaryotes with improved performances for anammox containing communities. <i>Scientific Reports</i> , 2020, 10, 15648.	1.6	9
56	A Computational Approach for Identifying the Chemical Factors Involved in the Glycosaminoglycans-Mediated Acceleration of Amyloid Fibril Formation. <i>PLoS ONE</i> , 2010, 5, e11363.	1.1	9
57	Effect of ancient Khorasan wheat on gut microbiota, inflammation, and short-chain fatty acid production in patients with fibromyalgia. <i>World Journal of Gastroenterology</i> , 2022, 28, 1965-1980.	1.4	9
58	ACYPI Gene Possesses Two Alternative Splicing Forms That Induce Apoptosis. <i>IUBMB Life</i> , 2004, 56, 29-33.	1.5	8
59	Human T cells interacting with HNSCC-derived mesenchymal stromal cells acquire tissue-resident memory like properties. <i>European Journal of Immunology</i> , 2020, 50, 1571-1579.	1.6	8
60	The CAI Analyser Package: inferring gene expressivity from raw genomic data. <i>In Silico Biology</i> , 2007, 7, 507-26.	0.4	8
61	Metabolic cell communication within tumour microenvironment: models, methods and perspectives. <i>Current Opinion in Biotechnology</i> , 2020, 63, 210-219.	3.3	7
62	Systemic oxidative stress in congenital central hypoventilation syndrome. <i>European Respiratory Journal</i> , 2018, 52, 1801497.	3.1	6
63	Effects of viremia and CD4 recovery on gut microbiome-immunity-axis in treatment-naïve HIV-1-infected patients undergoing antiretroviral therapy. <i>World Journal of Gastroenterology</i> , 2022, 28, 635-652.	1.4	6
64	Urea titration of a lipase from <i>Pseudomonas</i> sp. reveals four different conformational states, with a stable partially folded state explaining its high aggregation propensity. <i>International Journal of Biological Macromolecules</i> , 2021, 174, 32-41.	3.6	5
65	Long-term effects of mineral precipitation on process performance, granules' morphology and microbial community in anammox granular sludge. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107002.	3.3	5
66	Human recombinant domain antibodies against multiple sclerosis antigenic peptide CSF114(Glc). <i>Journal of Molecular Recognition</i> , 2014, 27, 618-626.	1.1	4
67	Gut Microbiota and Associated Mucosal Immune Response in Eosinophilic Granulomatosis with Polyangiitis (EGPA). <i>Biomedicines</i> , 2022, 10, 1227.	1.4	4
68	Selection of antibody fragments specific for an α -helix region of acylphosphatase. <i>Journal of Molecular Recognition</i> , 2004, 17, 62-66.	1.1	3
69	Entropy calculator: getting the best from your multiple protein alignments. <i>Italian Journal of Biochemistry</i> , 2004, 53, 16-22.	0.3	3
70	The Transthyretin/Oleuropein Aglycone Complex: A New Tool against TTR Amyloidosis. <i>Pharmaceuticals</i> , 2022, 15, 277.	1.7	3
71	Urinary Biomarkers as a Proxy for Congenital Central Hypoventilation Syndrome Patient Follow-Up. <i>Antioxidants</i> , 2022, 11, 929.	2.2	3
72	Catechol-Containing Hydroxylated Biomimetic 4-Thiaflavanes as Inhibitors of Amyloid Aggregation. <i>Biomimetics</i> , 2017, 2, 6.	1.5	2

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73	The In Vitro Anti-amyloidogenic Activity of the Mediterranean Red Seaweed <i>Halopithys Incurva</i> . <i>Pharmaceuticals</i> , 2020, 13, 185.	1.7	2
74	XYLab: an interactive plotting tool for mixed multivariate data observation and interpretation. <i>Bioinformatics</i> , 2008, 2, 392-394.	0.2	0