

# Gabriel D Mazzucchelli

## List of Publications by Year in descending order

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77  
papers

2,458  
citations

201575

27  
h-index

214721

47  
g-index

77  
all docs

77  
docs citations

77  
times ranked

3826  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of aphid salivary proteins: a proteomic investigation of <i>Myzus persicae</i> . Insect Molecular Biology, 2008, 17, 165-174.	1.0	204
2	Blocking Lipid Synthesis Overcomes Tumor Regrowth and Metastasis after Antiangiogenic Therapy Withdrawal. Cell Metabolism, 2014, 20, 280-294.	7.2	141
3	Comparative analyses of salivary proteins from three aphid species. Insect Molecular Biology, 2014, 23, 67-77.	1.0	111
4	Tumor resistance to ferroptosis driven by Stearoyl-CoA Desaturase-1 (SCD1) in cancer cells and Fatty Acid Biding Protein-4 (FABP4) in tumor microenvironment promote tumor recurrence. Redox Biology, 2021, 43, 102006.	3.9	102
5	Discovery of a natural thiamine adenine nucleotide. Nature Chemical Biology, 2007, 3, 211-212.	3.9	99
6	Are Physicochemical Properties Shaping the Allergenic Potency of Plant Allergens?. Clinical Reviews in Allergy and Immunology, 2022, 62, 37-63.	2.9	99
7	Proteomics of life at low temperatures: trigger factor is the primary chaperone in the Antarctic bacterium <i>Pseudoalteromonas haloplanktis</i> TAC125. Molecular Microbiology, 2010, 76, 120-132.	1.2	91
8	Life in the Cold: a Proteomic Study of Cold-Repressed Proteins in the Antarctic Bacterium <i>Pseudoalteromonas haloplanktis</i> TAC125. Applied and Environmental Microbiology, 2011, 77, 3881-3883.	1.4	87
9	Are Physicochemical Properties Shaping the Allergenic Potency of Animal Allergens?. Clinical Reviews in Allergy and Immunology, 2022, 62, 1-36.	2.9	86
10	Determination of the substrate repertoire of ADAMTS2, 3, and 14 significantly broadens their functions and identifies extracellular matrix organization and TGF $\beta$ 2 signaling as primary targets. FASEB Journal, 2016, 30, 1741-1756.	0.2	79
11	A laser microdissection-based workflow for FFPE tissue microproteomics: Important considerations for small sample processing. Methods, 2016, 104, 154-162.	1.9	72
12	From Dormant to Germinating Spores of <i>Streptomyces coelicolor</i> A3(2): A New Perspectives from the <i>crp</i> Null Mutant. Journal of Proteome Research, 2005, 4, 1699-1708.	1.8	71
13	Mercury immune toxicity in harbour seals: links to in vitro toxicity. Environmental Health, 2008, 7, 52.	1.7	68
14	Proteomics in <i>Myzus persicae</i> : Effect of aphid host plant switch. Insect Biochemistry and Molecular Biology, 2006, 36, 219-227.	1.2	67
15	Fibulin 3 peptides Fib3 $\alpha$ 1 and Fib3 $\alpha$ 2 are potential biomarkers of osteoarthritis. Arthritis and Rheumatism, 2012, 64, 2260-2267.	6.7	58
16	Tissue Proteomics for the Next Decade? Towards a Molecular Dimension in Histology. OMICS A Journal of Integrative Biology, 2014, 18, 539-552.	1.0	48
17	OLFM4, KNG1 and Sec24C identified by proteomics and immunohistochemistry as potential markers of early colorectal cancer stages. Clinical Proteomics, 2017, 14, 9.	1.1	45
18	Thiaminylated adenine nucleotides. Chemical synthesis, structural characterization and natural occurrence. FEBS Journal, 2009, 276, 3256-3268.	2.2	44

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19	Comparison of secretome from osteoblasts derived from sclerotic versus non-sclerotic subchondral bone in OA: A pilot study. <i>PLoS ONE</i> , 2018, 13, e0194591.	1.1	43
20	Current (Food) Allergenic Risk Assessment: Is It Fit for Novel Foods? Status Quo and Identification of Gaps. <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1700278.	1.5	42
21	Limited cross reactivity among arginine kinase allergens from mealworm and cricket edible insects. <i>Food Chemistry</i> , 2019, 276, 714-718.	4.2	42
22	HPV infection alters vaginal microbiome through down-regulating host mucosal innate peptides used by Lactobacilli as amino acid sources. <i>Nature Communications</i> , 2022, 13, 1076.	5.8	38
23	Novel Comprehensive Approach for Accessible Biomarker Identification and Absolute Quantification from Precious Human Tissues. <i>Journal of Proteome Research</i> , 2011, 10, 3160-3182.	1.8	36
24	Precise co-registration of mass spectrometry imaging, histology, and laser microdissection-based omics. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 5647-5653.	1.9	35
25	Sparc-Like Protein 1 Is a New Marker of Human Glioma Progression. <i>Journal of Proteome Research</i> , 2012, 11, 5011-5021.	1.8	33
26	MALDI Imagingâ€“Guided Microproteomic Analyses of Heterogeneous Breast Tumorsâ€”A Pilot Study. <i>Proteomics - Clinical Applications</i> , 2018, 12, 1700062.	0.8	33
27	Proteomic signatures reveal a dualistic and clinically relevant classification of anal canal carcinoma. <i>Journal of Pathology</i> , 2017, 241, 522-533.	2.1	32
28	Accelerated preâ€“senile systemic amyloidosis in PACAP knockout miceâ€”A protective role of PACAP in ageâ€“related degenerative processes. <i>Journal of Pathology</i> , 2018, 245, 478-490.	2.1	32
29	Multi-Enzymatic Limited Digestion: The Next-Generation Sequencing for Proteomics?. <i>Journal of Proteome Research</i> , 2019, 18, 2501-2513.	1.8	29
30	Platelets contribute to the initiation of colitisâ€“associated cancer by promoting immunosuppression. <i>Journal of Thrombosis and Haemostasis</i> , 2018, 16, 762-777.	1.9	27
31	Proteomic Analysis of the Reproductive Organs of the Hermaphroditic Gastropod <i>Lymnaea stagnalis</i> Exposed to Different Endocrine Disrupting Chemicals. <i>PLoS ONE</i> , 2013, 8, e81086.	1.1	26
32	Jug r 6 is the allergenic vicilin present in walnut responsible for IgE cross-reactivities to other tree nuts and seeds. <i>Scientific Reports</i> , 2018, 8, 11366.	1.6	25
33	Proteins involved in the endoplasmic reticulum stress are modulated in synovitis of osteoarthritis, chronic pyrophosphate arthropathy and rheumatoid arthritis, and correlate with the histological inflammatory score. <i>Scientific Reports</i> , 2020, 10, 14159.	1.6	24
34	An Analytical Pipeline for MALDI In-Source Decay Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2011, 83, 6090-6097.	3.2	20
35	Ecotoxicoproteomic assessment of the functional alterations caused by chronic metallic exposures in gammarids. <i>Environmental Pollution</i> , 2017, 225, 428-438.	3.7	20
36	Comparison of two FFPE preparation methods using label-free shotgun proteomics: Application to tissues of diverticulitis patients. <i>Journal of Proteomics</i> , 2015, 112, 250-261.	1.2	19

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37	Proteomics Highlights Common and Distinct Pathophysiological Processes Associated with Ileal and Colonic Ulcers in Crohn's Disease. <i>Journal of Crohn's and Colitis</i> , 2020, 14, 205-215.	0.6	19
38	Laser Microdissection-Based Microproteomics of Formalin-Fixed and Paraffin-Embedded (FFPE) Tissues. <i>Methods in Molecular Biology</i> , 2018, 1723, 19-31.	0.4	18
39	On the Risks of Phylogeny-Based Strain Prioritization for Drug Discovery: <i>Streptomyces lunaelactis</i> as a Case Study. <i>Biomolecules</i> , 2020, 10, 1027.	1.8	18
40	Proteomic investigation of human cystic echinococcosis in the liver. <i>Molecular and Biochemical Parasitology</i> , 2017, 211, 9-14.	0.5	17
41	Pores Formation on Cell Membranes by Hederacolchiside A1 Leads to a Rapid Release of Proteins for Cytosolic Subproteome Analysis. <i>Journal of Proteome Research</i> , 2008, 7, 1683-1692.	1.8	16
42	Discovery of biomarker candidates associated with the risk of short-term and mid/long-term relapse after infliximab withdrawal in Crohn's patients: a proteomics-based study. <i>Gut</i> , 2021, 70, 1450-1457.	6.1	16
43	Potential Role of Epithelial Endoplasmic Reticulum Stress and Anterior Gradient Protein 2 Homologue in Crohn's Disease Fibrosis. <i>Journal of Crohn's and Colitis</i> , 2021, 15, 1737-1750.	0.6	16
44	Oligodendrocyte precursors guide interneuron migration by unidirectional contact repulsion. <i>Science</i> , 2022, 376, eabn6204.	6.0	16
45	In vivo N-Terminomics Highlights Novel Functions of ADAMTS2 and ADAMTS14 in Skin Collagen Matrix Building. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 643178.	1.6	15
46	Proteomic analysis of <i>Arabidopsis thaliana</i> (L.) Heynh responses to a generalist sucking pest ( <i>Myzus persicae</i> Sulzer). <i>Plant Biology</i> , 2015, 17, 1210-1217.	1.8	14
47	Gender differences in responses in <i>Gammarus pulex</i> exposed to BDE-47: A gel-free proteomic approach. <i>Ecotoxicology and Environmental Safety</i> , 2015, 122, 205-213.	2.9	14
48	Cation Involvement in Telomestatin Binding to G-Quadruplex DNA. <i>Journal of Nucleic Acids</i> , 2010, 2010, 1-7.	0.8	13
49	Microproteomic Profiling of High-Grade Squamous Intraepithelial Lesion of the Cervix: Insight into Biological Mechanisms of Dysplasia and New Potential Diagnostic Markers. <i>Proteomics - Clinical Applications</i> , 2019, 13, 1800052.	0.8	13
50	Identification and quantification of concentration-dependent biomarkers in MCF-7/BOS cells exposed to 17 $\beta$ -estradiol by 2-D DIGE and label-free proteomics. <i>Journal of Proteomics</i> , 2012, 75, 4555-4569.	1.2	10
51	Human Liver-Derived Extracellular Matrix for the Culture of Distinct Human Primary Liver Cells. <i>Cells</i> , 2020, 9, 1357.	1.8	10
52	Periostin in lymph node pre-metastatic niches governs lymphatic endothelial cell functions and metastatic colonization. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 295.	2.4	10
53	Exploring the N-Glycosylation Profile of Glycoprotein B from Human Cytomegalovirus Expressed in CHO and <i>Nicotiana tabacum</i> BY-2 Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3741.	1.8	9
54	Glycosylation deficiency of lipopolysaccharide-binding protein and corticosteroid-binding globulin associated with activity and response to treatment for rheumatoid arthritis. <i>Journal of Translational Medicine</i> , 2020, 18, 8.	1.8	9

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55	New applications of advanced instrumental techniques for the characterization of food allergenic proteins. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 8686-8702.	5.4	9
56	Proteomics based approach for edible insect fingerprinting in novel food: Differential efficiency according to selected model species. <i>Food Control</i> , 2020, 112, 107135.	2.8	8
57	Proteomic Kinetic Analysis of Blister Fluid and Serum in a Patient with Drug-Induced Toxic Epidermal Necrolysis. A Comparison with Skin Immunohistochemistry. <i>Current Drug Safety</i> , 2012, 7, 339-351.	0.3	7
58	A strategy to identify specific biomarkers related to the effects of a PCDD/F mixture on the immune system of marine mammals. <i>Talanta</i> , 2004, 63, 1225-1230.	2.9	6
59	Identification of stromal proteins overexpressed in nodular sclerosis Hodgkin lymphoma. <i>Proteome Science</i> , 2011, 9, 63.	0.7	6
60	New Proteins Contributing to Immune Cell Infiltration and Pannus Formation of Synovial Membrane from Arthritis Diseases. <i>International Journal of Molecular Sciences</i> , 2022, 23, 434.	1.8	6
61	MALDI Imaging Combined with Laser Microdissection-Based Microproteomics for Protein Identification: Application to Intratumor Heterogeneity Studies. <i>Methods in Molecular Biology</i> , 2017, 1788, 297-312.	0.4	5
62	Plant defense in response to chewing insects: proteome analysis of <i>Arabidopsis thaliana</i> damaged by <i>Plutella xylostella</i> . <i>Journal of Plant Interactions</i> , 2018, 13, 30-36.	1.0	5
63	Comparison of serum fractionation methods by data independent label-free proteomics. <i>EuPA Open Proteomics</i> , 2015, 9, 14-22.	2.5	4
64	Solute Carrier Family 12 Member 2 as a Proteomic and Histological Biomarker of Dysplasia and Neoplasia in Ulcerative Colitis. <i>Journal of Crohn's and Colitis</i> , 2021, 15, 287-298.	0.6	4
65	Modulation of intestinal urea cycle by dietary spermine in suckling rat. <i>Biochemical and Biophysical Research Communications</i> , 2005, 336, 1119-1124.	1.0	3
66	Liquid chromatography setup-dependent artefactual methionine oxidation of peptides: The importance of an adapted quality control process. <i>Journal of Chromatography A</i> , 2021, 1654, 462449.	1.8	3
67	Acid Hydrolysis of Gluten Enhances the Skin Sensitizing Potential and Drives Diversification of IgE Reactivity to Unmodified Gluten Proteins. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2100416.	1.5	3
68	Structure of New Feroverdins Recruiting Unconventional Ferrous Iron Chelating Agents. <i>Biomolecules</i> , 2022, 12, 752.	1.8	3
69	Effet inflammatoire des extraits de <i>Cupressus sempervirens</i> planté dans l'est de l'Algérie: du modèle murin à la stimulation des cellules BEAS-2B par l'allergène majeur Cup s1. <i>Revue Française D'allergologie</i> , 2016, 56, 10-19.	0.1	2
70	Revisiting <i>Ehrlichia ruminantium</i> Replication Cycle Using Proteomics: The Host and the Bacterium Perspectives. <i>Microorganisms</i> , 2021, 9, 1144.	1.6	2
71	Back Cover: MALDI Imaging-Guided Microproteomic Analyses of Heterogeneous Breast Tumors-A Pilot Study. <i>Proteomics - Clinical Applications</i> , 2018, 12, 1870005.	0.8	1
72	Gel-Free Proteomics. , 2018, , 55-101.		0

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73	SAT-385-Production and characterization of human liver extracellular matrix hydrogels for in vitro culture of distinct human primary liver cell populations. <i>Journal of Hepatology</i> , 2019, 70, e803-e804.	1.8	0
74	Inside Front Cover: Microproteomic Profiling of High-Grade Squamous Intraepithelial Lesion of the Cervix: Insight into Biological Mechanisms of Dysplasia and New Potential Diagnostic Markers. <i>Proteomics - Clinical Applications</i> , 2019, 13, 1970012.	0.8	0
75	Abstract LB-187: MALDI imaging-guided microproteomics workflow for intratumor heterogeneity studies. , 2016, , .		0
76	Chromatographic separations and characterization of bioactive secondary metabolites of <i>Apergillus quadrilineatus</i> (MH109538) fungal strain. <i>Asia-Pacific Journal of Molecular Biology and Biotechnology</i> , 0, , 13-21.	0.2	0
77	Label-Free Higher Order Structure and Dynamic Investigation Method of Proteins in Solution Using an Enzymatic Reactor Coupled to Electrospray High-Resolution Mass Spectrometry Detection. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 284-295.	1.2	0