

Marco Gaspari

List of Publications by Year in descending order

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Version: 2024-02-01

97
papers

3,189
citations

147801

31
h-index

182427

51
g-index

105
all docs

105
docs citations

105
times ranked

5136
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanotechnologies for biomolecular detection and medical diagnostics. <i>Current Opinion in Chemical Biology</i> , 2006, 10, 11-19.	6.1	448
2	House dust mite (Der p 10) and crustacean allergic patients may react to food containing Yellow mealworm proteins. <i>Food and Chemical Toxicology</i> , 2014, 65, 364-373.	3.6	119
3	Proteome analysis reveals novel proteins associated with proliferation and differentiation of the colorectal cancer cell line Caco-2. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003, 1650, 73-91.	2.3	100
4	Targeting the thyroid gland with thyroid-stimulating hormone (TSH)-nanoliposomes. <i>Biomaterials</i> , 2014, 35, 7101-7109.	11.4	88
5	Selective binding and enrichment for low-molecular weight biomarker molecules in human plasma after exposure to nanoporous silica particles. <i>Proteomics</i> , 2006, 6, 3243-3250.	2.2	84
6	Proteome analysis of the medicinal plant <i>Catharanthus roseus</i> . <i>Planta</i> , 2005, 221, 690-704.	3.2	79
7	Nanoporous Surfaces as Harvesting Agents for Mass Spectrometric Analysis of Peptides in Human Plasma. <i>Journal of Proteome Research</i> , 2006, 5, 1261-1266.	3.7	71
8	Is mealworm or shrimp allergy indicative for food allergy to insects?. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1601061.	3.3	67
9	Highly efficient and versatile chemoselective addition of amines to epoxides in water catalyzed by erbium(III) triflate. <i>Tetrahedron Letters</i> , 2008, 49, 2289-2293.	1.4	65
10	Fhit Interaction with Ferredoxin Reductase Triggers Generation of Reactive Oxygen Species and Apoptosis of Cancer Cells. <i>Journal of Biological Chemistry</i> , 2008, 283, 13736-13744.	3.4	64
11	Identification of HIV-1 reverse transcriptase dual inhibitors by a combined shape-, 2D-fingerprint- and pharmacophore-based virtual screening approach. <i>European Journal of Medicinal Chemistry</i> , 2012, 50, 216-229.	5.5	63
12	Reversible Denaturation of Brazil Nut 2S Albumin (Ber e1) and Implication of Structural Destabilization on Digestion by Pepsin. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 123-131.	5.2	62
13	Direct mass spectrometry investigation on Pentacene thin film oxidation upon exposure to air. <i>Chemical Physics Letters</i> , 2009, 468, 193-196.	2.6	61
14	Human adipose-derived mesenchymal stem cell-conditioned medium ameliorates polyneuropathy and foot ulceration in diabetic BKS db/db mice. <i>Stem Cell Research and Therapy</i> , 2020, 11, 168.	5.5	60
15	Effect of thermal processing on mealworm allergenicity. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 1855-1864.	3.3	55
16	Proteolytic processing of the peanut allergen Ara h 3. <i>Molecular Nutrition and Food Research</i> , 2005, 49, 744-755.	3.3	53
17	Nano LC-MS/MS: A Robust Setup for Proteomic Analysis. <i>Methods in Molecular Biology</i> , 2011, 790, 115-126.	0.9	53
18	Analysis of <i>Dictyostelium discoideum</i> Inositol Pyrophosphate Metabolism by Gel Electrophoresis. <i>PLoS ONE</i> , 2014, 9, e85533.	2.5	51

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19	Research Resource: New and Diverse Substrates for the Insulin Receptor Isoform A Revealed by Quantitative Proteomics After Stimulation With IGF-II or Insulin. <i>Molecular Endocrinology</i> , 2011, 25, 1456-1468.	3.7	48
20	Primary respiratory and food allergy to mealworm. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 600-603.e7.	2.9	43
21	Characterization of Breast Cancer Interstitial Fluids by TmT Labeling, LTQ-Orbitrap Velos Mass Spectrometry, and Pathway Analysis. <i>Journal of Proteome Research</i> , 2012, 11, 3199-3210.	3.7	40
22	Targeting Tumor Associated Carbonic Anhydrases IX and XII: Highly Isozyme Selective Coumarin and Psoralen Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 725-729.	2.8	39
23	Regulation of NGF Signaling by an Axonal Untranslated mRNA. <i>Neuron</i> , 2019, 102, 553-563.e8.	8.1	39
24	Establishment of the enzymatic protein acetylation independent of acetyl CoA: recombinant glutathioneS-transferase 3-3 is acetylated by a novel membrane-bound transacetylase using 7,8-diacetoxy-4-methyl coumarin as the acetyl donor. <i>FEBS Letters</i> , 2002, 530, 139-142.	2.8	37
25	Simple and efficient MW-assisted cleavage of acetals and ketals in pure water. <i>Tetrahedron Letters</i> , 2007, 48, 8623-8627.	1.4	36
26	N-Glycoprotein Analysis Discovers New Up-Regulated Glycoproteins in Colorectal Cancer Tissue. <i>Journal of Proteome Research</i> , 2014, 13, 4932-4941.	3.7	35
27	Fhitâ€™Fdxr interaction in the mitochondria: modulation of reactive oxygen species generation and apoptosis in cancer cells. <i>Cell Death and Disease</i> , 2019, 10, 147.	6.3	35
28	Synthesis and biological assessment of novel 2-thiazolylhydrazones and computational analysis of their recognition by monoamine oxidase B. <i>European Journal of Medicinal Chemistry</i> , 2012, 48, 284-295.	5.5	33
29	miR-21 antagonism abrogates Th17 tumor promoting functions in multiple myeloma. <i>Leukemia</i> , 2021, 35, 823-834.	7.2	33
30	In vivo targeting and growth inhibition of the A20 murine B-cell lymphoma by an idiotype-specific peptide binder. <i>Blood</i> , 2010, 116, 226-238.	1.4	32
31	Calpain3 Is Expressed in a Proteolytically Active Form in Papillomavirus-Associated Urothelial Tumors of the Urinary Bladder in Cattle. <i>PLoS ONE</i> , 2010, 5, e10299.	2.5	32
32	Isolation and Functional Characterization of Peptide Agonists of PTPRJ, a Tyrosine Phosphatase Receptor Endowed with Tumor Suppressor Activity. <i>ACS Chemical Biology</i> , 2012, 7, 1666-1676.	3.4	32
33	On-target fraction collection for the off-line coupling of capillary isoelectric focusing with matrix-assisted laser desorption/ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 201-207.	1.5	31
34	Capillary electrochromatography/nano electrospray mass spectrometry for attomole characterization of peptides. <i>Rapid Communications in Mass Spectrometry</i> , 2000, 14, 1448-1454.	1.5	30
35	MW-assisted Er(OTf) ₃ -catalyzed mild cleavage of isopropylidene acetals in Tricky substrates. <i>Tetrahedron Letters</i> , 2008, 49, 1961-1964.	1.4	30
36	Proteomic analysis from skin swabs reveals a new set of proteins identifying skin impairment in atopic dermatitis. <i>Experimental Dermatology</i> , 2021, 30, 811-819.	2.9	30

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37	Acetoxy drug: protein transacetylase of buffalo liverâ€” characterization and mass spectrometry of the acetylated protein product. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2004, 1698, 55-66.	2.3	29
38	Genetics and molecular profiling of multiple myeloma: Novel tools for clinical management?. <i>European Journal of Cancer</i> , 2006, 42, 1530-1538.	2.8	29
39	H Ferritin Gene Silencing in a Human Metastatic Melanoma Cell Line: A Proteomic Analysis. <i>Journal of Proteome Research</i> , 2011, 10, 5444-5453.	3.7	29
40	OFFgelâ€”based multidimensional LCâ€”MS/MS approach to the cataloguing of the human platelet proteome for an interactomic profile. <i>Electrophoresis</i> , 2011, 32, 686-695.	2.4	28
41	Investigating the Anticancer Activity of Isatin/Dihydropyrazole Hybrids. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 571-576.	2.8	28
42	In Search of Secreted Protein Biomarkers for the Anti-inflammatory Effect of Î²2-Adrenergic Receptor Agonists:Â Application of DIGE Technology in Combination with Multivariate and Univariate Data Analysis Tools. <i>Journal of Proteome Research</i> , 2005, 4, 2015-2023.	3.7	27
43	Integration of Two-Dimensional LCâ”MS with Multivariate Statistics for Comparative Analysis of Proteomic Samples. <i>Analytical Chemistry</i> , 2006, 78, 2286-2296.	6.5	27
44	<i>N</i>-Acylbenzenesulfonamide Dihydro-1,3,4-oxadiazole Hybrids: Seeking Selectivity toward Carbonic Anhydrase Isoforms. <i>ACS Medicinal Chemistry Letters</i> , 2017, 8, 792-796.	2.8	27
45	Proteomics reveals high levels of vitamin D binding protein in myocardial infarction. <i>Frontiers in Bioscience - Elite</i> , 2010, E2, 796-804.	1.8	26
46	Btk regulation in human and mouse B cells via protein kinase C phosphorylation of IBtkÎ³. <i>Blood</i> , 2011, 117, 6520-6531.	1.4	24
47	Mass Spectrometry-Based Identification Of The Tumor Antigen UN1 as the Transmembrane CD43 Sialoglycoprotein. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M111.007898.	3.8	23
48	Evidence of Altered Glycosylation of Serum Proteins Prior to Pancreatic Cancer Diagnosis. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2670.	4.1	23
49	Cytoplasmic cleavage of IMPA1 3â€² UTR is necessary for maintaining axon integrity. <i>Cell Reports</i> , 2021, 34, 108778.	6.4	23
50	A proteomics approach to identify changes in protein profiles in serum of Familial Adenomatous Polyposis patients. <i>Cancer Letters</i> , 2008, 272, 40-52.	7.2	22
51	Proteomics in MÃ©re disease. <i>Journal of Cellular Physiology</i> , 2012, 227, 308-312.	4.1	22
52	Validation of a Novel Shotgun Proteomic Workflow for the Discovery of Proteinâ€”Protein Interactions: Focus on ZNF521. <i>Journal of Proteome Research</i> , 2015, 14, 1888-1899.	3.7	22
53	Proteomic analysis of S-nitrosylated nuclear proteins in rat cortical neurons. <i>Science Signaling</i> , 2018, 11, .	3.6	22
54	Calreticulin Transacetylase Mediates the Acetylation of Nitric Oxide Synthase by Polyphenolic Acetate. <i>Applied Biochemistry and Biotechnology</i> , 2008, 144, 37-45.	2.9	21

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55	CRL3IBTK Regulates the Tumor Suppressor Pcd4 through Ubiquitylation Coupled to Proteasomal Degradation. <i>Journal of Biological Chemistry</i> , 2015, 290, 13958-13971.	3.4	21
56	Migratory and anti-fibrotic programmes define the regenerative potential of human cardiac progenitors. <i>Nature Cell Biology</i> , 2022, 24, 659-671.	10.3	21
57	Ion trap mass spectrometry as detector for capillary electrochromatography of peptides: Possibilities and limitations. <i>Journal of Separation Science</i> , 2001, 13, 243-249.	1.0	19
58	The mitochondrial chaperone TRAP1 regulates F-ATP synthase channel formation. <i>Cell Death and Differentiation</i> , 2022, 29, 2335-2346.	11.2	19
59	Gel-free sample preparation for the nanoscale LC-MS/MS analysis and identification of low-nanogram protein samples. <i>Journal of Separation Science</i> , 2007, 30, 2210-2216.	2.5	18
60	Proteomic analysis in canine leishmaniasis. <i>Veterinary Research Communications</i> , 2010, 34, 91-96.	1.6	18
61	Biomarker discovery by plasma proteomics in familial Brugada Syndrome. <i>Frontiers in Bioscience - Landmark</i> , 2013, 18, 564.	3.0	18
62	Tuning the Dual Inhibition of Carbonic Anhydrase and Cyclooxygenase by Dihydrothiazole Benzensulfonamides. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 1045-1050.	2.8	18
63	High-throughput detection of low abundance sialylated glycoproteins in human serum by TiO ₂ enrichment and targeted LC-MS/MS analysis: application to a prostate cancer sample set. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 755-763.	3.7	18
64	Fhit Delocalizes Annexin A4 from Plasma Membrane to Cytosol and Sensitizes Lung Cancer Cells to Paclitaxel. <i>PLoS ONE</i> , 2013, 8, e78610.	2.5	18
65	The receptor protein tyrosine phosphatase PTPRJ negatively modulates the CD98hc oncoprotein in lung cancer cells. <i>Oncotarget</i> , 2018, 9, 23334-23348.	1.8	18
66	Protein acyltransferase function of purified calreticulin. Part 1: characterization of propionylation of protein utilizing propoxycoumarin as the propionyl group donor. <i>Journal of Biochemistry</i> , 2010, 147, 625-632.	1.7	16
67	Assessment of an ad hoc procedure for isolation and characterization of human albuminome. <i>Analytical Biochemistry</i> , 2011, 418, 161-163.	2.4	16
68	In-line coupling of low-pressure short capillary electrochromatography columns to electrospray ionisation mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 878-883.	1.5	14
69	Specific changes in the proteomic pattern produced by the BRCA1-Ser1841Asn missense mutation. <i>International Journal of Biochemistry and Cell Biology</i> , 2007, 39, 220-226.	2.8	14
70	Temperature-dependent regulation of the <i>Ochrobactrum anthropi</i> proteome. <i>Proteomics</i> , 2016, 16, 3019-3024.	2.2	14
71	Secretome Analysis of Hypoxia-Induced 3T3-L1 Adipocytes Uncovers Novel Proteins Potentially Involved in Obesity. <i>Proteomics</i> , 2018, 18, e1700260.	2.2	14
72	Highly efficient human serum filtration with water-soluble nanoporous nanoparticles. <i>International Journal of Nanomedicine</i> , 2010, Volume 5, 1005-1015.	6.7	13

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73	Comprehensive proteogenomic analysis of human embryonic and induced pluripotent stem cells. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 5440-5453.	3.6	13
74	A critical comparison of three MS-based approaches for quantitative proteomics analysis. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4669.	1.6	13
75	Mass Spectrometry-Based Glycoproteomics and Prostate Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5222.	4.1	12
76	Proteomic analysis of protein purified derivative of <i>Mycobacterium bovis</i> . <i>Journal of Translational Medicine</i> , 2017, 15, 68.	4.4	11
77	The EIpeptiDi tool: enhancing peptide discovery in ICAT-based LC MS/MS experiments. <i>BMC Bioinformatics</i> , 2007, 8, 255.	2.6	10
78	Bovine Papillomavirus Type 2 (BPV-2) E5 Oncoprotein Binds to the Subunit D of the V1-ATPase Proton Pump in Naturally Occurring Urothelial Tumors of the Urinary Bladder of Cattle. <i>PLoS ONE</i> , 2014, 9, e88860.	2.5	10
79	A subset of walnut allergic adults is sensitized to walnut 11S globulin Jug r 4. <i>Clinical and Experimental Allergy</i> , 2018, 48, 1206-1213.	2.9	9
80	Protein Acyltransferase Function of Purified Calreticulin: The Exclusive Role of P-Domain in Mediating Protein Acylation Utilizing Acyloxycoumarins and Acetyl CoA as the Acyl Group Donors. <i>Protein and Peptide Letters</i> , 2011, 18, 507-517.	0.9	8
81	Intra-epithelial non-canonical Activin A signaling safeguards prostate progenitor quiescence. <i>EMBO Reports</i> , 2022, 23, e54049.	4.5	8
82	Calreticulin transacylase: Genesis, mechanism of action and biological applications. <i>Biochimie</i> , 2010, 92, 1173-1179.	2.6	7
83	An optimized procedure for on-tissue localized protein digestion and quantification using hydrogel discs and isobaric mass tags: analysis of cardiac myxoma. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 2919-2930.	3.7	6
84	ETS-related gene (ERG) undermines genome stability in mouse prostate progenitors via Gsk3 ^β dependent Nrx3.1 degradation. <i>Cancer Letters</i> , 2022, 534, 215612.	7.2	6
85	Shotgun proteomic analysis of two <i>Bartonella quintana</i> strains. <i>Proteomics</i> , 2013, 13, 1375-1378.	2.2	5
86	Comparison of Protein Acetyltransferase Action of CRTAase with the Prototypes of HAT. <i>Scientific World Journal</i> , The, 2014, 2014, 1-9.	2.1	5
87	Proteome Speciation by Mass Spectrometry: Characterization of Composite Protein Mixtures in Milk Replacers. <i>Analytical Chemistry</i> , 2016, 88, 11568-11574.	6.5	5
88	On-tissue Hydrogel-Mediated Nondestructive Proteomic Characterization: Application to fr/fr and FFPE Tissues and Insights for Quantitative Proteomics Using a Case of Cardiac Myxoma. <i>Proteomics - Clinical Applications</i> , 2019, 13, 1700167.	1.6	4
89	Proteomic Profile of EPS-Urine through FASP Digestion and Data-Independent Analysis. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	4
90	LC-MALDI-TOF MS analysis is an effective, simple and rapid method of investigation for histones characterization: Application to EBV lymphoblastoid cell lines. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4712.	1.6	3

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91	Biodegradable nanoporous nanoparticles for human serum analysis. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 169, 111-113.	3.5	2
92	Corrigendum to: Establishment of the enzymatic protein acetylation independent of acetyl CoA: recombinant glutathione S-transferase 3-3 is acetylated by a novel membrane-bound transacetylase		