

# Irene Messana

## List of Publications by Year in descending order

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222  
papers

6,334  
citations

66234

42  
h-index

114278

63  
g-index

224  
all docs

224  
docs citations

224  
times ranked

5965  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Multiple Functions of Hemoglobin. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 1995, 30, 165-196.	2.3	174
2	Facts and artifacts in proteomics of body fluids. What proteomics of saliva is telling us?. <i>Journal of Separation Science</i> , 2008, 31, 1948-1963.	1.3	127
3	<sup>1</sup> H NMR spectra of normal urines: Reference ranges of the major metabolites. <i>Clinica Chimica Acta</i> , 1997, 265, 85-97.	0.5	126
4	Trafficking and Postsecretory Events Responsible for the Formation of Secreted Human Salivary Peptides. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 911-926.	2.5	111
5	Salivary biomarkers and proteomics: future diagnostic and clinical utilities. <i>Acta Otorhinolaryngologica Italica</i> , 2017, 37, 94-101.	0.7	111
6	Human erythrocyte metabolism is modulated by the O <sub>2</sub> -linked transition of hemoglobin. <i>FEBS Letters</i> , 1996, 390, 25-28.	1.3	108
7	Proteomic approach in the identification of fertility pattern in seminal plasma of fertile men. <i>Fertility and Sterility</i> , 2012, 97, 67-73.e1.	0.5	108
8	A Cascade of 24 Histatins (Histatin 3 Fragments) in Human Saliva. <i>Journal of Biological Chemistry</i> , 2004, 279, 41436-41443.	1.6	103
9	Characterization of the Human Salivary Basic Proline-Rich Protein Complex by a Proteomic Approach. <i>Journal of Proteome Research</i> , 2004, 3, 792-800.	1.8	100
10	Blood bank conditions and RBCs: the progressive loss of metabolic modulation. <i>Transfusion</i> , 2000, 40, 353-360.	0.8	91
11	Peptides of human gingival crevicular fluid determined by HPLC-ESI-MS. <i>European Journal of Oral Sciences</i> , 2005, 113, 462-468.	0.7	91
12	Proteomic study of salivary peptides and proteins in patients with Sjögren's syndrome before and after pilocarpine treatment. <i>Arthritis and Rheumatism</i> , 2007, 56, 2216-2222.	6.7	90
13	Hypo-Phosphorylation of Salivary Peptidome as a Clue to the Molecular Pathogenesis of Autism Spectrum Disorders. <i>Journal of Proteome Research</i> , 2008, 7, 5327-5332.	1.8	90
14	Responsiveness to 6-n-Propylthiouracil (PROP) Is Associated with Salivary Levels of Two Specific Basic Proline-Rich Proteins in Humans. <i>PLoS ONE</i> , 2012, 7, e30962.	1.1	90
15	Alterations of the Salivary Secretory Peptidome Profile in Children Affected by Type 1 Diabetes. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 2099-2108.	2.5	84
16	Peptide analysis by capillary (zone) electrophoresis. <i>Biomedical Applications</i> , 1997, 699, 149-171.	1.7	82
17	Age-Dependent Modifications of the Human Salivary Secretory Protein Complex. <i>Journal of Proteome Research</i> , 2009, 8, 4126-4134.	1.8	80
18	Proton nuclear magnetic resonance spectral profiles of urine in type II diabetic patients. <i>Clinical Chemistry</i> , 1998, 44, 1529-1534.	1.5	76

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19	Biotechnological implications of the salivary proteome. Trends in Biotechnology, 2011, 29, 409-418.	4.9	76
20	The Surprising Composition of the Salivary Proteome of Preterm Human Newborn. Molecular and Cellular Proteomics, 2011, 10, M110.003467.	2.5	71
21	Capillary electrophoresis-mass spectrometry for the analysis of amino acids. Journal of Separation Science, 2010, 33, 2385-2393.	1.3	66
22	The human salivary proteome: a critical overview of the results obtained by different proteomic platforms. Expert Review of Proteomics, 2012, 9, 33-46.	1.3	65
23	Research on African medicinal plants"II. Tetrahedron, 1982, 38, 1683-1687.	1.0	62
24	Different isoforms and post-translational modifications of human salivary acidic proline-rich proteins. Proteomics, 2005, 5, 805-815.	1.3	62
25	Detection in human saliva of different statherin and P-B fragments and derivatives. Proteomics, 2006, 6, 6370-6379.	1.3	62
26	The role of inflammation in the genesis of the cystic component of craniopharyngiomas. Child's Nervous System, 2010, 26, 1779-1784.	0.6	62
27	Chemical and Preliminary Analgesic Evaluation of Geraniin and Furosin Isolated from Phyllanthus sellowianus. Planta Medica, 1996, 62, 146-149.	0.7	61
28	Marked Increase in PROP Taste Responsiveness Following Oral Supplementation with Selected Salivary Proteins or Their Related Free Amino Acids. PLoS ONE, 2013, 8, e59810.	1.1	56
29	Ion-exchange electrokinetic capillary chromatography with starburst (pamam) dendrimers: a route towards high-performance electrokinetic capillary chromatography. Journal of Chromatography A, 1995, 694, 463-469.	1.8	54
30	Unraveling the different proteomic platforms. Journal of Separation Science, 2013, 36, 128-139.	1.3	54
31	HPLC-ESI-MS analysis of oral human fluids reveals that gingival crevicular fluid is the main source of oral thymosins $I^2_{<sub>4</sub>}$ and $I^2_{<sub>10</sub>}$ . Journal of Separation Science, 2009, 32, 57-63.	1.3	53
32	Plant screening by chemical and chromatographic procedures under field conditions. Journal of Chromatography A, 1981, 213, 113-127.	1.8	52
33	Characterization of dendrimer properties by capillary electrophoresis and their use as pseudostationary phases. Electrophoresis, 2002, 23, 1769.	1.3	52
34	Identification of the human salivary cystatin complex by the coupling of high-performance liquid chromatography and ion-trap mass spectrometry. Proteomics, 2003, 3, 461-467.	1.3	52
35	Antibacterial activity and phytochemical analysis of Vochysia divergens (Vochysiaceae). Journal of Ethnopharmacology, 1995, 47, 97-100.	2.0	51
36	Glycated human hemoglobin (HbA1c): functional characteristics and molecular modeling studies. Biophysical Chemistry, 1998, 72, 323-335.	1.5	51

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37	Tyrosine Polysulfation of Human Salivary Histatin 1. A Post-Translational Modification Specific of the Submandibular Gland. <i>Journal of Proteome Research</i> , 2007, 6, 2472-2480.	1.8	47
38	The intriguing heterogeneity of human salivary proline-rich proteins. <i>Journal of Proteomics</i> , 2016, 134, 47-56.	1.2	47
39	A cyclohexadienone and a cyclohexenone from <i>halleria lucida</i> . <i>Phytochemistry</i> , 1984, 23, 2617-2619.	1.4	46
40	Research on african medicinal plantsâ€™IV. <i>Tetrahedron</i> , 1983, 39, 323-329.	1.0	45
41	Characterization of salivary proteins of schizophrenic and bipolar disorder patients by top-down proteomics. <i>Journal of Proteomics</i> , 2014, 103, 15-22.	1.2	45
42	Top-down platform for deciphering the human salivary proteome. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2012, 25, 27-43.	0.7	44
43	Research on african medicinal plants - X. <i>Tetrahedron</i> , 1985, 41, 665-670.	1.0	43
44	Band-3 protein function in human erythrocytes: effect of oxygenationâ€™deoxygenation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2002, 1564, 214-218.	1.4	43
45	Structures of Three New Flavone Derivatives, Brosimones C, H, and I, from <i>Brosimopsis oblongifolia</i> 1. <i>Planta Medica</i> , 1989, 55, 70-72.	0.7	42
46	Capillary zone electrophoresis of peptides: prediction of the electrophoretic mobility and resolution. <i>Biomedical Applications</i> , 1994, 656, 87-97.	1.7	41
47	Influence of feeding on metabolite excretion evidenced by urine <sup>1</sup> H NMR spectral profiles: a comparison between subjects living in Rome and subjects living at arctic latitudes (Svaldbard). <i>Clinica Chimica Acta</i> , 1998, 278, 75-79.	0.5	41
48	Capillary electrophoresisâ€™mass spectrometry: Recent trends in clinical proteomics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 53, 1161-1169.	1.4	41
49	Chemical and Pharmacological Studies of <i>Phyllanthus carolinensis</i> in Mice. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 48, 1231-1236.	1.2	41
50	Bezafibrate Induces a Mitochondrial Derangement in Human Cell Lines:â€™ A PPAR-Independent Mechanism for a Peroxisome Proliferator. <i>Chemical Research in Toxicology</i> , 2003, 16, 1440-1447.	1.7	40
51	Pro-oxidant activity of histatin 5 related Cu(II)-model peptide probed by mass spectrometry. <i>Biochemical and Biophysical Research Communications</i> , 2007, 358, 277-284.	1.0	40
52	Top-down proteomic profiling of human saliva in multiple sclerosis patients. <i>Journal of Proteomics</i> , 2018, 187, 212-222.	1.2	40
53	Thymosin Î²4 and Î²10 Levels in Pre-Term Newborn Oral Cavity and Foetal Salivary Glands Evidence a Switch of Secretion during Foetal Development. <i>PLoS ONE</i> , 2009, 4, e5109.	1.1	40
54	Statherin levels in saliva of patients with precancerous and cancerous lesions of the oral cavity: a preliminary report. <i>Oral Diseases</i> , 2005, 11, 95-99.	1.5	39

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55	Role of ergothioneine on S-nitrosoglutathione catabolism. <i>Biochemical Journal</i> , 2001, 356, 799-804.	1.7	38
56	Enantiomeric separation of baclofen by capillary electrophoresis tandem mass spectrometry with sulfobutylether- $\beta$ -cyclodextrin as chiral selector in partial filling mode. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 875, 280-287.	1.2	38
57	Significant Modifications of the Salivary Proteome Potentially Associated with Complications of Down Syndrome Revealed by Top-down Proteomics. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 1844-1852.	2.5	38
58	Chrono-Proteomics of Human Saliva: Variations of the Salivary Proteome during Human Development. <i>Journal of Proteome Research</i> , 2015, 14, 1666-1677.	1.8	38
59	Sensory perception of and salivary protein response to astringency as a function of the 6-n-propylthioural (PROP) bitter-taste phenotype. <i>Physiology and Behavior</i> , 2017, 173, 163-173.	1.0	38
60	Cryptides: latent peptides everywhere. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2018, 53, 246-263.	2.3	38
61	Study of the Antinociceptive Action of the Ethanolic Extract and the Triterpene 24-Hydroxytormentonic Acid Isolated from the Stem Bark of <i>Ocotea suaveolens</i> . <i>Planta Medica</i> , 1999, 65, 050-055.	0.7	37
62	Proteomic Analysis of Salivary Acidic Proline-Rich Proteins in Human Preterm and At-Term Newborns. <i>Journal of Proteome Research</i> , 2007, 6, 1371-1377.	1.8	37
63	Analysis of arginine and methylated metabolites in human plasma by field amplified sample injection capillary electrophoresis tandem mass spectrometry. <i>Electrophoresis</i> , 2010, 31, 1894-1902.	1.3	37
64	Thymosin $\beta$ -4 in colorectal cancer is localized predominantly at the invasion front in tumor cells undergoing epithelial mesenchymal transition. <i>Cancer Biology and Therapy</i> , 2012, 13, 191-197.	1.5	37
65	Constituents of <i>Guettarda platypoda</i> . <i>Journal of Natural Products</i> , 1986, 49, 1150-1151.	1.5	36
66	An anthraquinone and three naphthopyrone derivatives from <i>Cassia pudibunda</i> . <i>Phytochemistry</i> , 1991, 30, 708-710.	1.4	36
67	Phenylpropanoid glycosides from <i>Calceolaria hypericina</i> . <i>Phytochemistry</i> , 1988, 27, 639-641.	1.4	35
68	Effect of 2,2,2-trifluoroethanol on capillary zone electrophoretic peptide separations. <i>Journal of Chromatography A</i> , 1996, 735, 271-281.	1.8	35
69	Top-down analytical platforms for the characterization of the human salivary proteome. <i>Bioanalysis</i> , 2014, 6, 563-581.	0.6	35
70	Saliva, a bodily fluid with recognized and potential diagnostic applications. <i>Journal of Separation Science</i> , 2021, 44, 3677-3690.	1.3	35
71	The use of capillary electrophoresis for the determination of hemoglobin variants. <i>Electrophoresis</i> , 1995, 16, 1492-1498.	1.3	34
72	Antinociceptive Properties of Morusin, a Prenylflavonoid Isolated from <i>Morus nigra</i> Root Bark. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2000, 55, 256-260.	0.6	33

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73	Enrichments of post-translational modifications in proteomic studies. <i>Journal of Separation Science</i> , 2020, 43, 313-336.	1.3	33
74	The pH dependence of predictive models relating electrophoretic mobility to peptide chemico-physical properties in capillary zone electrophoresis. <i>Electrophoresis</i> , 1998, 19, 2273-2277.	1.3	32
75	A new site-specific monoPEGylated filgrastim derivative prepared by enzymatic conjugation: Production and physicochemical characterization. <i>Journal of Controlled Release</i> , 2012, 164, 355-363.	4.8	32
76	Determination of the human salivary peptides histatins 1, 3, 5 and statherin by high-performance liquid chromatography and by diode-array detection. <i>Biomedical Applications</i> , 2001, 751, 153-160.	1.7	31
77	Proton Nuclear Magnetic Resonance Spectral Profiles of Urine from Children and Adolescents with Type 1 Diabetes. <i>Clinical Chemistry</i> , 2002, 48, 660-662.	1.5	31
78	Determination of peptide dissociation constants and stokes radius at different protonation stages by capillary electrophoresis. <i>Electrophoresis</i> , 1996, 17, 1925-1930.	1.3	29
79	Circadian Rhythms of Histatin 1, Histatin 3, Histatin 5, Statherin and Uric Acid in Whole Human Saliva Secretion. <i>Biological Rhythm Research</i> , 2002, 33, 213-222.	0.4	29
80	RP-HPLC-ESI-MS evidenced that salivary cystatin B is detectable in adult human whole saliva mostly as S-modified derivatives: S-Glutathionyl, S-cysteinyl and S-S 2-mer. <i>Journal of Proteomics</i> , 2012, 75, 908-913.	1.2	28
81	Two 12a-hydroxyrotenoids from <i>Boerhaavia coccinea</i> . <i>Phytochemistry</i> , 1986, 25, 2688-2689.	1.4	27
82	Bronchoalveolar lavage fluid peptidomics suggests a possible matrix metalloproteinase-3 role in bronchopulmonary dysplasia. <i>Intensive Care Medicine</i> , 2009, 35, 2115-2124.	3.9	27
83	Modifications of the acidic soluble salivary proteome in human children from birth to the age of 48 months investigated by a top-down HPLC-ESI-MS platform. <i>Journal of Proteomics</i> , 2013, 91, 536-543.	1.2	27
84	Proteomic characterization of pediatric craniopharyngioma intracystic fluid by LC-MS top-down/bottom-up integrated approaches. <i>Electrophoresis</i> , 2014, 35, 2172-2183.	1.3	27
85	AIRE acetylation and deacetylation: effect on protein stability and transactivation activity. <i>Journal of Biomedical Science</i> , 2014, 21, 85.	2.6	27
86	Integrated proteomic platforms for the comparative characterization of medulloblastoma and pilocytic astrocytoma pediatric brain tumors: a preliminary study. <i>Molecular BioSystems</i> , 2015, 11, 1668-1683.	2.9	27
87	Cyclohexanols of <i>halleria lucida</i> . <i>Phytochemistry</i> , 1986, 25, 2821-2823.	1.4	25
88	Î²-thymosins and interstitial lung disease: study of a scleroderma cohort with a one-year follow-up. <i>Respiratory Research</i> , 2011, 12, 22.	1.4	25
89	Dose-Dependent Effects of L-Arginine on PROP Bitterness Intensity and Latency and Characteristics of the Chemical Interaction between PROP and L-Arginine. <i>PLoS ONE</i> , 2015, 10, e0131104.	1.1	25
90	Proteomic characterization of the qualitative and quantitative differences in cervical mucus composition during the menstrual cycle. <i>Molecular BioSystems</i> , 2015, 11, 1717-1725.	2.9	25

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91	Proteomic investigation of whole saliva in Wilson's disease. <i>Journal of Proteomics</i> , 2015, 128, 154-163.	1.2	25
92	Role of ergothioneine on S-nitrosoglutathione catabolism. <i>Biochemical Journal</i> , 2001, 356, 799.	1.7	24
93	Identification of thymosins $\beta$ 4 and $\beta$ 10 in paediatric craniopharyngioma cystic fluid. <i>Child's Nervous System</i> , 2013, 29, 951-960.	0.6	24
94	Two New Isoflavonoids from <i>Boerhaavia, coccinea</i> . <i>Journal of Natural Products</i> , 1991, 54, 597-598.	1.5	23
95	Alkaloids of <i>Strychnos rubiginosa</i> . <i>Phytochemistry</i> , 1980, 19, 992-994.	1.4	22
96	Optimization of a rapid capillary electrophoresis ESI-IT tandem mass spectrometry method for the analysis of short-chain carnitines in human plasma. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 1637-1644.	1.9	22
97	Structural and functional characterization of the porcine proline-rich antifungal peptide SP $\beta$ isolated from salivary gland granules. <i>Journal of Peptide Science</i> , 2008, 14, 251-260.	0.8	22
98	Expression pattern of thymosin beta 4 in the adult human liver. <i>European Journal of Histochemistry</i> , 2011, 55, e25.	0.6	22
99	Association of high levels of $\beta$ -defensins and S100A proteins with <i>Candida mannan</i> detection in bronchoalveolar lavage fluid of preterm neonates. <i>Pediatric Research</i> , 2013, 74, 19-25.	1.1	22
100	Salivary Cystatins: Exploring New Post-Translational Modifications and Polymorphisms by Top-Down High-Resolution Mass Spectrometry. <i>Journal of Proteome Research</i> , 2017, 16, 4196-4207.	1.8	22
101	Oxygen-linked modulation of erythrocyte metabolism: state of the art. <i>Blood Transfusion</i> , 2010, 8 Suppl 3, s53-8.	0.3	22
102	Meroterpenoid naphthoquinones from <i>Cordia corymbosa</i> . <i>Phytochemistry</i> , 1990, 29, 1955-1959.	1.4	21
103	O <sub>2</sub> -dependent stimulation of the pentose phosphate pathway by S-nitrosocysteine in human erythrocytes. <i>Biochemical and Biophysical Research Communications</i> , 2002, 294, 829-834.	1.0	21
104	Determination of urinary hippuric acid by micellar electrokinetic capillary chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 793, 223-228.	1.2	21
105	HPLC-MS characterization of cyclo-statherin Q-37, a specific cyclization product of human salivary statherin generated by transglutaminase 2. <i>Journal of Separation Science</i> , 2006, 29, 2600-2608.	1.3	21
106	Different Thymosin Beta 4 Immunoreactivity in Foetal and Adult Gastrointestinal Tract. <i>PLoS ONE</i> , 2010, 5, e9111.	1.1	21
107	Thymosin beta 4 and thymosin beta 10 expression in hepatocellular carcinoma. <i>European Journal of Histochemistry</i> , 2014, 58, 2242.	0.6	21
108	Kingside aglucone, a natural secoiridoid from unripe fruits of <i>strychnos spinosa</i> . <i>Phytochemistry</i> , 1985, 24, 771-772.	1.4	20

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109	Constituents of <i>Brosimopsis oblongifolia</i> . 4. Structures of Two New Diels-Alder Type Adducts, Brosimone B and Brosimone D. <i>Heterocycles</i> , 1989, 29, 683.	0.4	20
110	Prenylated flavanones from <i>Sorocea ilicifolia</i> . <i>Phytochemistry</i> , 1995, 38, 251-254.	1.4	20
111	Modification of capillary electrophoresis selectivity in hydro-organic solutions. <i>Journal of Chromatography A</i> , 1997, 792, 57-65.	1.8	20
112	Affinity capillary electrophoresis study of the linkage existing between proton and zinc ion binding to bacitracin A1. <i>Electrophoresis</i> , 2003, 24, 801-807.	1.3	20
113	Characterization of the cell penetrating properties of a human salivary proline-rich peptide. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 2868-2877.	1.4	20
114	Profiles of VGF Peptides in the Rat Brain and Their Modulations after Phencyclidine Treatment. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 158.	1.8	20
115	Top-Down Proteomics of Human Saliva Highlights Anti-inflammatory, Antioxidant, and Antimicrobial Defense Responses in Alzheimer Disease. <i>Frontiers in Neuroscience</i> , 2021, 15, 668852.	1.4	20
116	Constituents of .3. <i>Tetrahedron</i> , 1988, 44, 6693-6698.	1.0	19
117	( $\hat{\alpha}$ )-Salzol, an isopimarane diterpene, and a chalcone from <i>Hyptis salzmanii</i> . <i>Phytochemistry</i> , 1990, 29, 329-332.	1.4	19
118	Immunoreactivity of thymosin beta 4 in human foetal and adult genitourinary tract. <i>European Journal of Histochemistry</i> , 2010, 54, 43.	0.6	19
119	VGF Peptide Profiles in Type 2 Diabetic Patientsâ€™ Plasma and in Obese Mice. <i>PLoS ONE</i> , 2015, 10, e0142333.	1.1	19
120	Research on african medicinal plants -XXV- the (1,2) absolute configuration of nyasicoside. Its occurrence in .. <i>Tetrahedron</i> , 1991, 47, 4369-4374.	1.0	18
121	Different binding thermodynamics of Ni <sup>2+</sup> , Cu <sup>2+</sup> , and Zn <sup>2+</sup> to bacitracin A1 determined by capillary electrophoresis. <i>Electrophoresis</i> , 2004, 25, 846-852.	1.3	18
122	Saliva and the Control of Its Secretion. <i>Medical Radiology</i> , 2011, , 19-47.	0.0	18
123	VGF peptides upon osmotic stimuli: Changes in neuroendocrine regulatory peptides 1 and 2 in the hypothalamicâ€“pituitary-axis and plasma. <i>Journal of Chemical Neuroanatomy</i> , 2012, 44, 57-65.	1.0	18
124	VGF Protein and Its C-Terminal Derived Peptides in Amyotrophic Lateral Sclerosis: Human and Animal Model Studies. <i>PLoS ONE</i> , 2016, 11, e0164689.	1.1	18
125	Determination of S-nitrosoglutathione in erythrocytes by capillary zone electrophoresis. <i>Electrophoresis</i> , 2000, 21, 1606-1610.	1.3	17
126	Salivary Proteomic Analysis and Acute Graft-versus-Host Disease after Allogeneic Hematopoietic Stem Cell Transplantation. <i>Biology of Blood and Marrow Transplantation</i> , 2013, 19, 888-892.	2.0	17



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127	Mitochondrial Damage and Metabolic Compensatory Mechanisms Induced by Hyperoxia in the U-937 Cell Line. <i>BMB Reports</i> , 2004, 37, 454-459.	1.1	17
128	Mononyasine A and mononyasine B: Two glucosides from <i>Hypoxis nyasica</i> . <i>Phytochemistry</i> , 1989, 28, 2807-2809.	1.4	16
129	Saliva and the Control of Its Secretion. <i>Medical Radiology</i> , 2017, , 21-57.	0.0	16
130	Thymosin Beta 4 May Translocate from the Cytoplasm in to the Nucleus in HepG2 Cells following Serum Starvation. An Ultrastructural Study. <i>PLoS ONE</i> , 2015, 10, e0119642.	1.1	16
131	Comparison Between <i>in Vivo</i> and <i>in Vitro</i> Metabolite Production of <i>Morus nigra</i> . <i>Planta Medica</i> , 1999, 65, 85-87.	0.7	15
132	Thymosin beta 4 expression in normal skin, colon mucosa and in tumor infiltrating mast cells. <i>European Journal of Histochemistry</i> , 2010, 54, 3.	0.6	15
133	Novel Biomarkers of Androgen Deficiency From Seminal Plasma Profiling Using High-Resolution Mass Spectrometry. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 2813-2820.	1.8	15
134	Structural and functional studies on a proline-rich peptide isolated from swine saliva endowed with antifungal activity towards <i>Cryptococcus neoformans</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 1066-1074.	1.4	14
135	Characterization of the Protein Components of Matrix Stones Sheds Light on S100-A8 and S100-A9 Relevance in the Inflammatory Pathogenesis of These Rare Renal Calculi. <i>Journal of Urology</i> , 2016, 196, 911-918.	0.2	14
136	Proteomics of the acid-soluble fraction of whole and major gland saliva in burning mouth syndrome patients. <i>Archives of Oral Biology</i> , 2019, 98, 148-155.	0.8	14
137	Three New Flavanone Derivatives from the Root Bark of <i>Sorocea bonplandii</i> Baillon. <i>Heterocycles</i> , 1994, 38, 1287.	0.4	14
138	On the alkaloids of <i>strychnos</i> . <i>Tetrahedron</i> , 1979, 35, 2545-2549.	1.0	13
139	Arylbenzofurans from <i>Indigofera microcarpa</i> . <i>Phytochemistry</i> , 1988, 27, 1817-1819.	1.4	13
140	A Triterpene and Phenolic Compounds from Leaves and Stems of <i>Phyllanthus sellowianus</i> . <i>Planta Medica</i> , 1995, 61, 391-391.	0.7	13
141	Capillary electrophoretic study of the binding of zinc(II) ion to bacitracin A1 in water-2,2,2-trifluoroethanol. <i>Electrophoresis</i> , 2003, 24, 1612-1619.	1.3	13
142	Thymosin beta-10 expression in developing human kidney. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2010, 23, 125-128.	0.7	13
143	Thymosin beta 10 expression in developing human salivary glands. <i>Early Human Development</i> , 2011, 87, 779-783.	0.8	13
144	Top-down HPLC-ESI-MS detection of <i>S</i> -Glutathionylated and <i>S</i> -Cysteinylated Derivatives of Cystatin B and Its 53 and 54-98 Fragments in Whole Saliva of Human Preterm Newborns. <i>Journal of Proteome Research</i> , 2013, 12, 917-926.	1.8	13

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145	The salivary proteome profile in patients affected by SAPHO syndrome characterized by a top-down RP-HPLC-ESI-MS platform. <i>Molecular BioSystems</i> , 2015, 11, 1552-1562.	2.9	13
146	Predictive model for capillary electrophoretic peptide mobility in 2,2,2-trifluoroethanol-water solution. <i>Electrophoresis</i> , 1998, 19, 1728-1732.	1.3	12
147	Thermodynamics of Inositol Hexakisphosphate Interaction with Human Oxyhemoglobin. <i>Journal of Biological Chemistry</i> , 1998, 273, 15329-15334.	1.6	12
148	Quantitative determination of the main glucose metabolic fluxes in human erythrocytes by <sup>13</sup> C- and <sup>1</sup> H-MR spectroscopy. <i>Journal of Proteomics</i> , 1999, 39, 63-84.	2.4	12
149	Two proline-rich peptides from pig ( <i>Sus scrofa</i> ) salivary glands generated by pre-secretory pathway underlying the action of a proteinase cleaving ProAla bonds. <i>Peptides</i> , 2005, 26, 1550-1559.	1.2	12
150	Thymosin $\beta$ 4 expression reveals intriguing similarities between fetal and cancer cells. <i>Annals of the New York Academy of Sciences</i> , 2012, 1269, 53-60.	1.8	12
151	<sc>HPLC</sc>â€<sc>ESI</sc>â€<sc>MS</sc> and <sc>MS</sc>/<sc>MS</sc> structural characterization of multifucosylated <sc>i>N</i></sc>â€glycoforms of the basic prolineâ€rich protein <sc>IB</sc>â€8a <sc>CON</sc>1<sup>+</sup> in human saliva. <i>Journal of Separation Science</i> , 2012, 35, 1079-1086.	1.3	12
152	Proteomic Study of Pilocytic Astrocytoma Pediatric Brain Tumor Intracystic Fluid. <i>Journal of Proteome Research</i> , 2014, 13, 4594-4606.	1.8	12
153	Top-Down Proteomics of Human Saliva Discloses Significant Variations of the Protein Profile in Patients with Mastocytosis. <i>Journal of Proteome Research</i> , 2020, 19, 3238-3253.	1.8	12
154	Effects of gemfibrozil on the oxygen transport properties of erythrocytes.. <i>British Journal of Clinical Pharmacology</i> , 1995, 39, 25-30.	1.1	11
155	Mitochondrial alterations and autofluorescent conversion of <i>Candida albicans</i> induced by histatins. <i>Microscopy Research and Technique</i> , 2005, 66, 219-228.	1.2	11
156	Top-down peptidomics of bodily fluids. <i>Peptidomics</i> , 2014, 1, .	0.3	11
157	Cassinopin, a kaempferol trihamnoside from <i>Cassinopsis madagascariensis</i> â†. <i>Phytochemistry</i> , 1990, 29, 2040-2043.	1.4	10
158	Research on African medicinal plants. XXVII. Interjectin a derivative of nyasicoside from and. <i>Tetrahedron</i> , 1991, 47, 6717-6724.	1.0	10
159	The Hemocyanin of the Shamefaced Crab <i>Calappa granulata</i> : Structural-Functional Characterization. <i>Journal of Biochemistry</i> , 2006, 139, 957-966.	0.9	10
160	Rapid determination of short chain carnitines in human plasma by electrospray ionisation-ion trap mass spectrometry using capillary electrophoresis instrument as sampler. <i>Journal of Chromatography A</i> , 2007, 1150, 320-326.	1.8	10
161	Mass spectrometry strategies applied to the characterization of prolineâ€rich peptides from secretory parotid granules of pig (<i>Sus scrofa</i>). <i>Journal of Separation Science</i> , 2008, 31, 516-522.	1.3	10
162	The Mitochondrial Italian Human Proteome Project Initiative (mt-HPP). <i>Molecular BioSystems</i> , 2013, 9, 1984-92.	2.9	10

#	ARTICLE	IF	CITATIONS
163	Photoperiod Regulates vgf-Derived Peptide Processing in Siberian Hamsters. <i>PLoS ONE</i> , 2015, 10, e0141193.	1.1	10
164	Extensive Characterization of the Human Salivary Basic Proline-Rich Protein Family by Top-Down Mass Spectrometry. <i>Journal of Proteome Research</i> , 2018, 17, 3292-3307.	1.8	10
165	Top down proteomic analysis of gingival crevicular fluid in deciduous, exfoliating and permanent teeth in children. <i>Journal of Proteomics</i> , 2020, 226, 103890.	1.2	10
166	Radiatoside, a New Bisiridoid from <i>Argylia radiata</i> . <i>Journal of Natural Products</i> , 1986, 49, 519-521.	1.5	9
167	Carbon-13 NMR chemical shift assignment of neoflavonoids. <i>Magnetic Resonance in Chemistry</i> , 1989, 27, 1181-1183.	1.1	9
168	Sorocein L and Sorocein M: Two Diels-Alder Type Adducts from <i>Sorocea ilicifolia</i> . <i>Journal of Natural Products</i> , 2003, 66, 581-582.	1.5	9
169	Expression, purification, phosphorylation and characterization of recombinant human statherin. <i>Protein Expression and Purification</i> , 2010, 69, 219-225.	0.6	9
170	Antagonistic Effect of a Salivary Proline-Rich Peptide on the Cytosolic Ca <sup>2+</sup> Mobilization Induced by Progesterone in Oral Squamous Cancer Cells. <i>PLoS ONE</i> , 2016, 11, e0147925.	1.1	9
171	Linked glycosylation site profiling of the human basic salivary proline-rich protein 3M. <i>Journal of Separation Science</i> , 2016, 39, 1987-1997.	1.3	9
172	A New Isoprenylated Flavone from <i>Brosimopsis oblongifolia</i> . <i>Planta Medica</i> , 1987, 53, 541-543.	0.7	8
173	Pharmacological analysis of the methanolic extract and sorocein A, a new Diels-Alder compound isolated from the roots of <i>Sorocea bonplandii</i> Bailon in the isolated rat uterus and guinea pig ileum. <i>General Pharmacology</i> , 1993, 24, 983-989.	0.7	8
174	Characterization of two isoforms of human SPRR3 from saliva of preterm human newborn and autoptic fetal oral mucosa, parotid and submandibular gland samples. <i>Biochemical and Biophysical Research Communications</i> , 2010, 398, 477-481.	1.0	8
175	Immunoreactivity for thymosin beta 4 and thymosin beta 10 in the adult rat oro-gastro-intestinal tract. <i>European Journal of Histochemistry</i> , 2013, 57, 17.	0.6	8
176	High-resolution mass spectrometry for thymosins detection and characterization. <i>Expert Opinion on Biological Therapy</i> , 2015, 15, 191-201.	1.4	8
177	RP-HPLC-ESI-IT Mass Spectrometry Reveals Significant Variations of the Human Salivary Protein Profile Associated with Predominantly Antibody Deficiencies. <i>Journal of Clinical Immunology</i> , 2020, 40, 329-339.	2.0	8
178	New Naphthopyrone Derivatives from <i>Cassia pudibunda</i> . <i>Heterocycles</i> , 1990, 31, 1847.	0.4	8
179	N,N-Dimethyl-5-Methoxytryptamine, a Component of a Dart Poison of the Yanomáma Indians. <i>Journal of Natural Products</i> , 1983, 46, 586-587.	1.5	7
180	RP-HPLC-ESI-MS characterization of novel peptide fragments related to rat parotid secretory protein in parasympathetic induced saliva. <i>Journal of Separation Science</i> , 2009, 32, 2944-2952.	1.3	7

#	ARTICLE	IF	CITATIONS
181	High-resolution high-performance liquid chromatography with electrospray ionization mass spectrometry and tandem mass spectrometry characterization of a new isoform of human salivary acidic proline-rich proteins named <sc>R</sc>oma<sc>B</sc>oston <sc>S</sc>er<sub>22</sub> (<sc>P</sc>hos) â†' <sc>P</sc>he variant. <i>Journal of Separation Science</i> , 2014, 37, 1896-1902.	1.3	7
182	Two sites for GTP binding in cathodic haemoglobins from Anguilliformes. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2005, 141, 400-407.	0.7	6
183	Structural and Functional Characterization of Haemocyanin from the Anemone Hermit Crab <i>Dardanus calidus</i> . <i>Journal of Biochemistry</i> , 2008, 143, 207-216.	0.9	6
184	Salivary proline-rich proteins and gluten: Do structural similarities suggest a role in celiac disease?. <i>Proteomics - Clinical Applications</i> , 2015, 9, 953-964.	0.8	6
185	Structural studies and SH3 domain binding properties of a human antiviral salivary proline-rich peptide. <i>Biopolymers</i> , 2016, 106, 714-725.	1.2	6
186	Top-down HPLC-ESI-MS proteomic analysis of saliva of edentulous subjects evidenced high levels of cystatin A, cystatin B and SPRR3. <i>Archives of Oral Biology</i> , 2017, 77, 68-74.	0.8	6
187	3-Hydroxydiaboline, a tertiary alkaloid from <i>Strychnos castelnaeana</i> . <i>Phytochemistry</i> , 1982, 21, 2393-2395.	1.4	5
188	Functional and structural characterization of the myoglobin from the polychaete <i>Ophelia bicornis</i> . <i>Biochemical Journal</i> , 2005, 389, 497-505.	1.7	5
189	Carbachol-induced in vitro secretion of certain human submandibular proteins investigated by mass-spectrometry. <i>Archives of Oral Biology</i> , 2008, 53, 1077-1083.	0.8	5
190	Correlation of Levels of Î±-Defensins Determined by HPLC-ESI-MS in Bronchoalveolar Lavage Fluid With the Diagnosis of Pneumonia in Premature Neonates. <i>Pediatric Research</i> , 2010, 68, 140-144.	1.1	5
191	Cellular Trafficking of Thymosin Beta-4 in HEPG2 Cells Following Serum Starvation. <i>PLoS ONE</i> , 2013, 8, e67999.	1.1	5
192	Salivary Omics. , 2015, , 63-82.		5
193	Thymosin Î²4 and Î²10 in Sjögren's syndrome: saliva proteomics and minor salivary glands expression. <i>Arthritis Research and Therapy</i> , 2016, 18, 229.	1.6	5
194	Proteomic characterization of the acid-insoluble fraction of whole saliva from preterm human newborns. <i>Journal of Proteomics</i> , 2016, 146, 48-57.	1.2	5
195	Detection of Ca <sup>2+</sup> -Binding S100 Proteins in Human Saliva by HPLC-ESI-MS. <i>Methods in Molecular Biology</i> , 2013, 963, 357-371.	0.4	5
196	Circe's haemoglobins, pig-human hybrids: functional characterization and structural considerations. <i>Biochemical Journal</i> , 1998, 335, 211-216.	1.7	4
197	Editorial: Analysis of peptides by separation and mass spectrometric methods. <i>Journal of Separation Science</i> , 2008, 31, 425-426.	1.3	4
198	The oxygen-binding modulation of hemocyanin from the Southern spiny lobster <i>Palinurus gilchristi</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2009, 179, 193-203.	0.7	4

#	ARTICLE	IF	CITATIONS
199	Striped mullet ( <i>Mugil cephalus</i> ) hemoglobin system: multiplicity and functional properties. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2011, 181, 187-197.	0.7	4
200	Proteomics applied to pediatric medicine: opportunities and challenges. <i>Expert Review of Proteomics</i> , 2016, 13, 883-894.	1.3	4
201	Mapping of Transglutaminase-2 Sites of Human Salivary Small Basic Proline-Rich Proteins by HPLC-High-Resolution ESI-MS/MS. <i>Journal of Proteome Research</i> , 2020, 19, 300-313.	1.8	4
202	HPLC-ESI-MS top-down analysis of salivary peptides of preterm newborns evidenced high activity of some exopeptidases and convertases during late fetal development. <i>Talanta</i> , 2021, 222, 121429.	2.9	4
203	Oxidative and Proteolytic Inactivation of Alpha-1 Antitrypsin in Bronchopulmonary Dysplasia Pathogenesis: A Top-Down Proteomic Bronchoalveolar Lavage Fluid Analysis. <i>Frontiers in Pediatrics</i> , 2021, 9, 597415.	0.9	4
204	Do $\beta^2$ -Thymosins Play a Role in Human Nephrogenesis?. <i>Current Clinical Pathology</i> , 2014, , 81-93.	0.0	4
205	Thymosin $\beta^4$ expression in colorectal polyps and adenomas. <i>Clinics</i> , 2013, 68, 1220-1224.	0.6	4
206	Structural and functional characterization of <i>Delphinus delphis</i> hemoglobin system. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2009, 179, 971-983.	0.7	3
207	Structural characterization of a new statherin from pig parotid granules. <i>Journal of Peptide Science</i> , 2010, 16, 269-275.	0.8	3
208	Top-down HPLC-ESI-MS characterization of rat gliadoralin (A), a new member of the family of rat submandibular gland glutamine-rich proteins and potential substrate of transglutaminase. <i>Journal of Separation Science</i> , 2013, 36, 2848-2861.	1.3	3
209	Top-down proteomic characterization of DAOY medulloblastoma tumor cell line. <i>EuPA Open Proteomics</i> , 2016, 12, 13-21.	2.5	3
210	Low-temperature sensitivity and enhanced Bohr effect in red deer ( <i>Cervus elaphus</i> ) haemoglobin: a molecular adaptive strategy to life at high altitude and low temperature. <i>FEBS Journal</i> , 1999, 260, 667-671.	0.2	2
211	Capillary electrophoresis detection of a complex sensitive to electric field. <i>Journal of Separation Science</i> , 2001, 24, 717-722.	1.3	2
212	Functional characterization of the single hemoglobin of the migratory bird <i>Ciconia ciconia</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2007, 147, 242-249.	0.7	2
213	Proteomic Analysis of the Acid-Insoluble Fraction of Whole Saliva from Patients Affected by Different Forms of Non-histaminergic Angioedema. <i>Journal of Clinical Immunology</i> , 2020, 40, 840-850.	2.0	2
214	Pediatric Brain Tumors: Signatures from the Intact Proteome. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3196.	1.8	2
215	Alkaline Bohr effect of bird hemoglobins: the case of the flamingo. <i>Biological Chemistry</i> , 2007, 388, 787-795.	1.2	1
216	Investigation by top-down high-performance liquid chromatography-mass spectrometry of glutathionylation and cysteinylolation of salivary S100A9 and cystatin B in preterm newborns. <i>Separation Science Plus</i> , 2022, 5, 17-27.	0.3	1

#	ARTICLE	IF	CITATIONS
217	Separation of diadenosine polyphosphates by capillary electrophoresis. <i>Electrophoresis</i> , 2000, 21, 2412-2416.	1.3	0
218	The hemoglobin system of the serpent eel <i>Ophisurus serpens</i> : structural and functional characterization. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2013, 183, 905-919.	0.7	0
219	SAT0381â€¦Different S100 Protein Salivary Patterns Characterized Sjogren's Syndrome Patients and Patients with Connective Tissue Diseases and Sicca Syndrome. <i>Annals of the Rheumatic Diseases</i> , 2015, 74, 797.1-797.	0.5	0
220	Marked Differences in the Submandibular Salivary Proteome between Sardinian Alcohol-Preferring and Sardinian Alcohol-Non Preferring Rats Revealed by an Integrated Top-Downâ€œBottom-Up Proteomic Platform. <i>Journal of Proteome Research</i> , 2018, 17, 455-469.	1.8	0
221	Hypo-Phosphorylation of Salivary Peptidome as Indicator of Molecular Pathogenesis of Autism Spectrum Disorders. , 2014, , 1543-1563.		0
222	High resolution mass spectrometry to study hormonal regulation of cervical mucus proteome during the menstrual cycle. <i>Endocrine Abstracts</i> , 0, , .	0.0	0