

# Federica Iavarone

## List of Publications by Year in descending order

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77  
papers

1,411  
citations

304743

22  
h-index

395702

33  
g-index

77  
all docs

77  
docs citations

77  
times ranked

2036  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Surprising Composition of the Salivary Proteome of Preterm Human Newborn. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.003467.	3.8	71
2	Capillary electrophoresis-mass spectrometry for the analysis of amino acids. <i>Journal of Separation Science</i> , 2010, 33, 2385-2393.	2.5	66
3	The human salivary proteome: a critical overview of the results obtained by different proteomic platforms. <i>Expert Review of Proteomics</i> , 2012, 9, 33-46.	3.0	65
4	Unraveling the different proteomic platforms. <i>Journal of Separation Science</i> , 2013, 36, 128-139.	2.5	54
5	Characterization of salivary proteins of schizophrenic and bipolar disorder patients by top-down proteomics. <i>Journal of Proteomics</i> , 2014, 103, 15-22.	2.4	45
6	Top-down platform for deciphering the human salivary proteome. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2012, 25, 27-43.	1.5	44
7	Capillary electrophoresis-mass spectrometry: Recent trends in clinical proteomics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 53, 1161-1169.	2.8	41
8	Top-down proteomic profiling of human saliva in multiple sclerosis patients. <i>Journal of Proteomics</i> , 2018, 187, 212-222.	2.4	40
9	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.	3.8	38
10	Chrono-Proteomics of Human Saliva: Variations of the Salivary Proteome during Human Development. <i>Journal of Proteome Research</i> , 2015, 14, 1666-1677.	3.7	38
11	Cryptides: latent peptides everywhere. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2018, 53, 246-263.	5.2	38
12	Cerebrospinal fluid top-down proteomics evidenced the potential biomarker role of <i>LIV</i> and <i>VV</i> and <i>hemorphin</i> in posterior cranial fossa pediatric brain tumors. <i>Proteomics</i> , 2012, 12, 2158-2166.	2.2	36
13	Top-down analytical platforms for the characterization of the human salivary proteome. <i>Bioanalysis</i> , 2014, 6, 563-581.	1.5	35
14	Enrichments of post-translational modifications in proteomic studies. <i>Journal of Separation Science</i> , 2020, 43, 313-336.	2.5	33
15	Proteomic identification of altered protein O-GlcNAcylation in a triple transgenic mouse model of Alzheimer's disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 3309-3321.	3.8	29
16	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.	2.4	28
17	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.	2.4	27
18	Proteomic characterization of pediatric craniopharyngioma intracystic fluid by LC-MS top-down/bottom-up integrated approaches. <i>Electrophoresis</i> , 2014, 35, 2172-2183.	2.4	27

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19	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
20	Î²-thymosins and interstitial lung disease: study of a scleroderma cohort with a one-year follow-up. <i>Respiratory Research</i> , 2011, 12, 22.	3.6	25
21	Proteomic investigation of whole saliva in Wilson's disease. <i>Journal of Proteomics</i> , 2015, 128, 154-163.	2.4	25
22	Identification of thymosins Î²4 and Î²10 in paediatric craniopharyngioma cystic fluid. <i>Child's Nervous System</i> , 2013, 29, 951-960.	1.1	24
23	Proteomic approaches to Sjögren's syndrome: A clue to interpret the pathophysiology and organ involvement of the disease. <i>Autoimmunity Reviews</i> , 2010, 9, 622-626.	5.8	23
24	Association of high levels of Î±-defensins and S100A proteins with Candida mannan detection in bronchoalveolar lavage fluid of preterm neonates. <i>Pediatric Research</i> , 2013, 74, 19-25.	2.3	22
25	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.	3.7	22
26	A simple liquid chromatography-tandem mass spectrometry method for urinary free cortisol analysis: suitable for routine purpose. <i>Clinical Chemistry and Laboratory Medicine</i> , 2010, 48, 1433-1437.	2.3	21
27	Analysis of heat-induced changes in protein expression of <i>Stenotrophomonas maltophilia</i> K279a reveals a role for GroEL in the host-temperature adaptation. <i>International Journal of Medical Microbiology</i> , 2011, 301, 273-281.	3.6	21
28	A simplified method for the determination of total homocysteine in plasma by electrospray tandem mass spectrometry. <i>Journal of Separation Science</i> , 2010, 33, 3119-3124.	2.5	20
29	Enzymatic processing by MMPâ€² and MMPâ€³ of wildâ€type and mutated mouse Î²â€dystroglycan. <i>IUBMB Life</i> , 2012, 64, 988-994.	3.4	20
30	Characterization of the cell penetrating properties of a human salivary proline-rich peptide. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 2868-2877.	2.6	20
31	Protein nitration profile of CD3+ lymphocytes from Alzheimer disease patients: Novel hints on immunosenescence and biomarker detection. <i>Free Radical Biology and Medicine</i> , 2018, 129, 430-439.	2.9	20
32	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.	2.8	20
33	Inactivation of Human Salivary Glutathione Transferase P1-1 by Hypothiocyanite: A Post-Translational Control System in Search of a Role. <i>PLoS ONE</i> , 2014, 9, e112797.	2.5	18
34	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
35	Exploring the HeLa Dark Mitochondrial Proteome. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 137.	3.7	16
36	Zimmermann-Laband-1 Syndrome: Clinical, Histological, and Proteomic Findings of a 3-Year-Old Patient with Hereditary Gingival Fibromatosis. <i>Biomedicines</i> , 2019, 7, 48.	3.2	15

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37	Lipoaspirate fluid proteome: A preliminary investigation by LC-MS top-down/bottom-up integrated platform of a high potential biofluid in regenerative medicine. <i>Electrophoresis</i> , 2016, 37, 1015-1026.	2.4	14
38	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.	0.4	14
39	The extreme hyperreactivity of selected cysteines drives hierarchical disulfide bond formation in serum albumin. <i>FEBS Journal</i> , 2016, 283, 4113-4127.	4.7	14
40	Investigating the Protein Signature of Adamantinomatous Craniopharyngioma Pediatric Brain Tumor Tissue: Towards the Comprehension of Its Aggressive Behavior. <i>Disease Markers</i> , 2019, 2019, 1-18.	1.3	14
41	Top-down HPLC-ESI-MS detection of S-Glutathionylated and S-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.	3.7	13
42	HPLC-ESI-MS and MS/MS structural characterization of multifucosylated N-glycoforms of the basic proline-rich protein IB8a CON1 in human saliva. <i>Journal of Separation Science</i> , 2012, 35, 1079-1086.	2.5	12
43	Proteomic Study of Pilocytic Astrocytoma Pediatric Brain Tumor Intracystic Fluid. <i>Journal of Proteome Research</i> , 2014, 13, 4594-4606.	3.7	12
44	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.	3.7	12
45	Morphofunctional modifications of human neutrophils induced by aqueous cigarette smoke extract: comparison with chemiluminescence activity. <i>Luminescence</i> , 2011, 26, 331-335.	2.9	11
46	Top-down peptidomics of bodily fluids. <i>Peptidomics</i> , 2014, 1, .	0.3	11
47	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.	3.7	10
48	Top down proteomic analysis of gingival crevicular fluid in deciduous, exfoliating and permanent teeth in children. <i>Journal of Proteomics</i> , 2020, 226, 103890.	2.4	10
49	Quantitative analysis of t <sub>4</sub> hyposin in whole saliva by capillary electrophoresis-mass spectrometry using multiple ions monitoring (CE-MIM-MS). <i>Electrophoresis</i> , 2013, 34, 2674-2682.	2.4	9
50	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.	2.5	9
51	N- and O-linked glycosylation site profiling of the human basic salivary proline-rich protein 3M. <i>Journal of Separation Science</i> , 2016, 39, 1987-1997.	2.5	9
52	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.	2.1	8
53	High-resolution mass spectrometry for thymosins detection and characterization. <i>Expert Opinion on Biological Therapy</i> , 2015, 15, 191-201.	3.1	8
54	Basic and Preclinical Research for Personalized Medicine. <i>Journal of Personalized Medicine</i> , 2021, 11, 354.	2.5	8

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55	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. Journal of Separation Science, 2014, 37, 1896-1902.	2.5	7
56	The Polyamine <i>N</i>-Acetyltransferase-Like Enzyme PmvE Plays a Role in the Virulence of Enterococcus faecalis. Infection and Immunity, 2015, 83, 364-371.	2.2	7
57	Cell wall composition and biofilm formation of azoles-susceptible and -resistant <i>Candida glabrata</i> strains. Journal of Chemotherapy, 2017, 29, 164-172.	1.5	7
58	Top-down HPLC-ESI-MS proteomic analysis of saliva of edentulous subjects evidenced high levels of cystatin A, cystatin B and SPRR3. Archives of Oral Biology, 2017, 77, 68-74.	1.8	6
59	Thymosin Î²4 and Î²10 in Sjögren's syndrome: saliva proteomics and minor salivary glands expression. Arthritis Research and Therapy, 2016, 18, 229.	3.5	5
60	Proteomic characterization of the acid-insoluble fraction of whole saliva from preterm human newborns. Journal of Proteomics, 2016, 146, 48-57.	2.4	5
61	Detection of Ca <sup>2+</sup> -Binding S100 Proteins in Human Saliva by HPLC-ESI-MS. Methods in Molecular Biology, 2013, 963, 357-371.	0.9	5
62	High-Resolution HPLC-ESI-MS Characterization of the Contact Sites of the Actin-Thymosin Î² <sub>4</sub> Complex by Chemical and Enzymatic Cross-Linking. Biochemistry, 2013, 52, 5553-5562.	2.5	4
63	Peptide labeling with photoactivatable trifunctional cadaverine derivative and identification of interacting partners by biotin transfer. Analytical Biochemistry, 2014, 456, 14-21.	2.4	4
64	Proteomics applied to pediatric medicine: opportunities and challenges. Expert Review of Proteomics, 2016, 13, 883-894.	3.0	4
65	Mapping of Transglutaminase-2 Sites of Human Salivary Small Basic Proline-Rich Proteins by HPLC-High-Resolution ESI-MS/MS. Journal of Proteome Research, 2020, 19, 300-313.	3.7	4
66	HPLC-ESI-MS top-down analysis of salivary peptides of preterm newborns evidenced high activity of some exopeptidases and convertases during late fetal development. Talanta, 2021, 222, 121429.	5.5	4
67	Oxidative and Proteolytic Inactivation of Alpha-1 Antitrypsin in Bronchopulmonary Dysplasia Pathogenesis: A Top-Down Proteomic Bronchoalveolar Lavage Fluid Analysis. Frontiers in Pediatrics, 2021, 9, 597415.	1.9	4
68	Top-down HPLC-ESI-MS characterization of rat gliadoralin <sc>A</sc>, a new member of the family of rat submandibular gland glutamine-rich proteins and potential substrate of transglutaminase. Journal of Separation Science, 2013, 36, 2848-2861.	2.5	3
69	Top-down proteomic characterization of DAOY medulloblastoma tumor cell line. EuPA Open Proteomics, 2016, 12, 13-21.	2.5	3
70	Thymosin fraction 5 re-evaluated after 35 years by high-resolution mass spectrometry. Expert Opinion on Biological Therapy, 2018, 18, 199-203.	3.1	3
71	Identification of PDGF-BB binding to thymosin Î²4 by chemical cross-linking. Expert Opinion on Biological Therapy, 2015, 15, 147-154.	3.1	2
72	Proteomic Analysis of the Acid-Insoluble Fraction of Whole Saliva from Patients Affected by Different Forms of Non-histaminergic Angioedema. Journal of Clinical Immunology, 2020, 40, 840-850.	3.8	2

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73	Pediatric Brain Tumors: Signatures from the Intact Proteome. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3196.	4.1	2
74	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.	0.6	1
75	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.	1.5	0
76	Marked Differences in the Submandibular Salivary Proteome between Sardinian Alcohol-Preferring and Sardinian Alcohol-Non Preferring Rats Revealed by an Integrated Top-Down-Bottom-Up Proteomic Platform. <i>Journal of Proteome Research</i> , 2018, 17, 455-469.	3.7	0
77	Hypo-Phosphorylation of Salivary Peptidome as Indicator of Molecular Pathogenesis of Autism Spectrum Disorders. , 2014, , 1543-1563.		0