

Francois-Michel Boisvert

List of Publications by Year in descending order

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66
papers

7,069
citations

117619

34
h-index

106340

65
g-index

70
all docs

70
docs citations

70
times ranked

9920
citing authors

#	ARTICLE	IF	CITATIONS
1	The multifunctional nucleolus. <i>Nature Reviews Molecular Cell Biology</i> , 2007, 8, 574-585.	37.0	1,306
2	The Nucleolus under Stress. <i>Molecular Cell</i> , 2010, 40, 216-227.	9.7	882
3	Identifying specific protein interaction partners using quantitative mass spectrometry and bead proteomes. <i>Journal of Cell Biology</i> , 2008, 183, 223-239.	5.2	404
4	A Quantitative Spatial Proteomics Analysis of Proteome Turnover in Human Cells. <i>Molecular and Cellular Proteomics</i> , 2012, 11, M111.011429.	3.8	332
5	A Proteomic Analysis of Arginine-methylated Protein Complexes. <i>Molecular and Cellular Proteomics</i> , 2003, 2, 1319-1330.	3.8	323
6	Promyelocytic Leukemia (Pml) Nuclear Bodies Are Protein Structures That Do Not Accumulate RNA. <i>Journal of Cell Biology</i> , 2000, 148, 283-292.	5.2	245
7	NOPdb: Nucleolar Proteome Database–2008 update. <i>Nucleic Acids Research</i> , 2009, 37, D181-D184.	14.5	243
8	Sam68 RNA Binding Protein Is an In Vivo Substrate for Protein ArginineN-Methyltransferase 1. <i>Molecular Biology of the Cell</i> , 2003, 14, 274-287.	2.1	237
9	Direct Detection of Alternative Open Reading Frames Translation Products in Human Significantly Expands the Proteome. <i>PLoS ONE</i> , 2013, 8, e70698.	2.5	192
10	Arginine methylation of MRE11 by PRMT1 is required for DNA damage checkpoint control. <i>Genes and Development</i> , 2005, 19, 671-676.	5.9	181
11	Symmetrical dimethylarginine methylation is required for the localization of SMN in Cajal bodies and pre-mRNA splicing. <i>Journal of Cell Biology</i> , 2002, 159, 957-969.	5.2	175
12	Characterization and prediction of protein nucleolar localization sequences. <i>Nucleic Acids Research</i> , 2010, 38, 7388-7399.	14.5	167
13	A Quantitative Proteomics Analysis of Subcellular Proteome Localization and Changes Induced by DNA Damage. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 457-470.	3.8	164
14	Glycogen Synthase Kinase-3 (GSK3) Inhibition Induces Prosurvival Autophagic Signals in Human Pancreatic Cancer Cells. <i>Journal of Biological Chemistry</i> , 2015, 290, 5592-5605.	3.4	145
15	The Transcription Coactivator Cbp Is a Dynamic Component of the Promyelocytic Leukemia Nuclear Body. <i>Journal of Cell Biology</i> , 2001, 152, 1099-1106.	5.2	141
16	A Role for the GSG Domain in Localizing Sam68 to Novel Nuclear Structures in Cancer Cell Lines. <i>Molecular Biology of the Cell</i> , 1999, 10, 3015-3033.	2.1	136
17	Two distinct arginine methyltransferases are required for biogenesis of Sm-class ribonucleoproteins. <i>Journal of Cell Biology</i> , 2007, 178, 733-740.	5.2	128
18	The GAR Motif of 53BP1 is Arginine Methylated by PRMT1 and is Necessary for 53BP1 DNA Binding Activity. <i>Cell Cycle</i> , 2005, 4, 1834-1841.	2.6	121

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19	Quantitative Proteomics and Dynamic Imaging of the Nucleolus Reveal Distinct Responses to UV and Ionizing Radiation. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M111.009241.	3.8	110
20	Protein Interfaces in Signaling Regulated by Arginine Methylation. <i>Science Signaling</i> , 2005, 2005, re2-re2.	3.6	105
21	Human ING1 Proteins Differentially Regulate Histone Acetylation. <i>Journal of Biological Chemistry</i> , 2002, 277, 29832-29839.	3.4	91
22	Proteomics methods for subcellular proteome analysis. <i>FEBS Journal</i> , 2013, 280, 5626-5634.	4.7	87
23	Aven recognition of RNA G-quadruplexes regulates translation of the mixed lineage leukemia protooncogenes. <i>ELife</i> , 2015, 4, .	6.0	83
24	OpenProt: a more comprehensive guide to explore eukaryotic coding potential and proteomes. <i>Nucleic Acids Research</i> , 2019, 47, D403-D410.	14.5	71
25	OpenProt 2021: deeper functional annotation of the coding potential of eukaryotic genomes. <i>Nucleic Acids Research</i> , 2021, 49, D380-D388.	14.5	71
26	Methylation of MRE11 Regulates its Nuclear Compartmentalization. <i>Cell Cycle</i> , 2005, 4, 981-989.	2.6	70
27	The Product of the Survival of Motor Neuron(SMN) Gene is a Human Telomerase-associated Protein. <i>Molecular Biology of the Cell</i> , 2002, 13, 3192-3202.	2.1	60
28	Loss of functional caveolae during senescence of human fibroblasts. <i>Journal of Cellular Physiology</i> , 2001, 187, 226-235.	4.1	53
29	p53-Dependent subcellular proteome localization following DNA damage. <i>Proteomics</i> , 2010, 10, 4087-4097.	2.2	51
30	Systematic Analysis of Protein Pools, Isoforms, and Modifications Affecting Turnover and Subcellular Localization. <i>Molecular and Cellular Proteomics</i> , 2012, 11, M111.013680.	3.8	48
31	APEX2-mediated RAB proximity labeling identifies a role for RAB21 in clathrin-independent cargo sorting. <i>EMBO Reports</i> , 2019, 20, .	4.5	44
32	The response to neoadjuvant chemoradiotherapy with 5-fluorouracil in locally advanced rectal cancer patients: a predictive proteomic signature. <i>Clinical Proteomics</i> , 2018, 15, 16.	2.1	43
33	Compartmentalization of regulatory proteins in the cell nucleus. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2001, 76, 9-21.	2.5	41
34	RRP1B Targets PP1 to Mammalian Cell Nucleoli and Is Associated with Pre-60S Ribosomal Subunits. <i>Molecular Biology of the Cell</i> , 2010, 21, 4212-4226.	2.1	39
35	Quantitative Proteomics Reveals Dynamic Interactions of the Minichromosome Maintenance Complex (MCM) in the Cellular Response to Etoposide Induced DNA Damage*. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 2002-2013.	3.8	37
36	UBB pseudogene 4 encodes functional ubiquitin variants. <i>Nature Communications</i> , 2020, 11, 1306.	12.8	34

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37	Clinical Proteomics in Colorectal Cancer, a Promising Tool for Improving Personalised Medicine. <i>Proteomes</i> , 2018, 6, 49.	3.5	31
38	Human Hepatocyte Nuclear Factor 4 \hat{I} ± Encodes Isoforms with Distinct Transcriptional Functions. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 808-827.	3.8	31
39	Phenotypic Analysis of Organoids by Proteomics. <i>Proteomics</i> , 2017, 17, 1700023.	2.2	29
40	A Screen for Novel Phosphoinositide 3-kinase Effector Proteins. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.003178.	3.8	26
41	A SILAC-Based Method for Quantitative Proteomic Analysis of Intestinal Organoids. <i>Scientific Reports</i> , 2016, 6, 38195.	3.3	24
42	Efficient extraction of nucleolar proteins for interactome analyses. <i>Proteomics</i> , 2010, 10, 3045-3050.	2.2	22
43	The Nucleolus: Structure and Function. , 2016, , 29-49.		20
44	Destabilization of the MiniChromosome Maintenance (MCM) complex modulates the cellular response to DNA double strand breaks. <i>Cell Cycle</i> , 2018, 17, 2593-2609.	2.6	20
45	Comprehensive Characterization of Minichromosome Maintenance Complex (MCM) Protein Interactions Using Affinity and Proximity Purifications Coupled to Mass Spectrometry. <i>Journal of Proteome Research</i> , 2016, 15, 2924-2934.	3.7	18
46	Human PDCD2L Is an Export Substrate of CRM1 That Associates with 40S Ribosomal Subunit Precursors. <i>Molecular and Cellular Biology</i> , 2016, 36, 3019-3032.	2.3	17
47	Loss of histone deacetylase Hdac1 disrupts metabolic processes in intestinal epithelial cells. <i>FEBS Letters</i> , 2015, 589, 2776-2783.	2.8	14
48	Proteomic Profiling of Mitochondrial-Derived Vesicles in Brain Reveals Enrichment of Respiratory Complex Sub-assemblies and Small TIM Chaperones. <i>Journal of Proteome Research</i> , 2021, 20, 506-517.	3.7	14
49	Proteomic profiling and functional characterization of post-translational modifications of the fission yeast RNA exosome. <i>Nucleic Acids Research</i> , 2018, 46, 11169-11183.	14.5	13
50	Quantitative Proteomics Identifies DNA Repair as a Novel Biological Function for Hepatocyte Nuclear Factor 4 \hat{I} ± in Colorectal Cancer Cells. <i>Cancers</i> , 2019, 11, 626.	3.7	13
51	Identification of Mitofusin 1 and Complement Component 1q Subcomponent Binding Protein as Mitochondrial Targets in Systemic Lupus Erythematosus. <i>Arthritis and Rheumatology</i> , 2022, 74, 1193-1203.	5.6	13
52	Protein interaction network of alternatively spliced NudCD1 isoforms. <i>Scientific Reports</i> , 2017, 7, 12987.	3.3	12
53	Subcellular proteomics analysis of different stages of colorectal cancer cell lines. <i>Proteomics</i> , 2016, 16, 3009-3018.	2.2	11
54	Proteolytic Processing of the Epithelial Adherens Junction Molecule E-Cadherin by Neutrophil Elastase Generates Short Peptides With Novel Wound-Healing Bioactivity. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2019, 7, 483-486.e8.	4.5	10

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55	Arginine Methylation Regulates the Cytokine Response. <i>Molecular Cell</i> , 2004, 15, 492-494.	9.7	9
56	Downregulation of KRAB zinc finger proteins in 5-fluorouracil resistant colorectal cancer cells. <i>BMC Cancer</i> , 2022, 22, 363.	2.6	9
57	PNAC: a protein nucleolar association classifier. <i>BMC Genomics</i> , 2011, 12, 74.	2.8	8
58	Proteomics Analysis of Colorectal Cancer Cells. <i>Methods in Molecular Biology</i> , 2018, 1765, 155-166.	0.9	8
59	Silencing PEX26 as an unconventional mode to kill drug-resistant cancer cells and forestall drug resistance. <i>Autophagy</i> , 2022, 18, 540-558.	9.1	7
60	The prefoldin complex stabilizes the von Hippel-Lindau protein against aggregation and degradation. <i>PLoS Genetics</i> , 2020, 16, e1009183.	3.5	6
61	Hypomorphic GINS3 variants alter DNA replication and cause Meier-Gorlin syndrome. <i>JCI Insight</i> , 2022, 7, .	5.0	6
62	C-terminal deletion of NOTCH1 intracellular domain (N1ICD) increases its stability but does not amplify and recapitulate N1ICD-dependent signalling. <i>Scientific Reports</i> , 2017, 7, 5034.	3.3	5
63	Rab21 in enterocytes participates in intestinal epithelium maintenance. <i>Molecular Biology of the Cell</i> , 2022, 33, mbcE21030139.	2.1	4
64	SILAC proteomics implicates SOCS1 in modulating cellular macromolecular complexes and the ubiquitin conjugating enzyme UBE2D involved in MET receptor tyrosine kinase downregulation. <i>Biochimie</i> , 2021, 182, 185-196.	2.6	2
65	Loss of functional caveolae during senescence of human fibroblasts. <i>Journal of Cellular Physiology</i> , 2001, 187, 226-235.	4.1	2
66	The Dynamic Proteome of the Nucleolus. , 2011, , 29-42.		0