Michael F Moran

List of Publications by Year
in descending order

72 papers	5,999 citations	186254 28 h-index	102480 66 g-index
73 all docs	73 docs citations	73 times ranked	8619 citing authors

#	Article	IF	Citations
1	Systematic identification of protein complexes in Saccharomyces cerevisiae by mass spectrometry. Nature, 2002, 415, 180-183.	27.8	3,445
2	A Strategy for Modulation of Enzymes in the Ubiquitin System. Science, 2013, 339, 590-595.	12.6	257
3	Global Proteomic Assessment of the Classical Protein-Tyrosine Phosphatome and â€œRedoxomeâ€• Cell, 2011, 146, 826-840.	28.9	156
4	Refined RIP-seq protocol for epitranscriptome analysis with low input materials. PLoS Biology, 2018, 16, e2006092.	5.6	112
5	Proteomic Analysis of the Epidermal Growth Factor Receptor (EGFR) Interactome and Post-translational Modifications Associated with Receptor Endocytosis in Response to EGF and Stress. Molecular and Cellular Proteomics, 2014, 13, 1644-1658.	3.8	102
6	Integrated Omic analysis of lung cancer reveals metabolism proteome signatures with prognostic impact. Nature Communications, 2014, 5, 5469.	12.8	93
7	Tyrosine phosphorylation of NEDD4 activates its ubiquitin ligase activity. Science Signaling, 2014, 7, ra95.	3.6	76
8	A feed forward loop enforces YAP/TAZ signaling during tumorigenesis. Nature Communications, 2018, 9, 3510.	12.8	75
9	The human phosphotyrosine signaling network: Evolution and hotspots of hijacking in cancer. Genome Research, 2012, 22, 1222-1230.	5.5	72
10	Epidermal Growth Factor Receptor Phosphorylation Sites Ser991 and Tyr998 Are Implicated in the Regulation of Receptor Endocytosis and Phosphorylations at Ser1039 and Thr1041. Molecular and Cellular Proteomics, 2009, 8, 2131-2144.	3.8	68
11	Molecular heterogeneity of non-small cell lung carcinoma patient-derived xenografts closely reflect their primary tumors. International Journal of Cancer, 2017, 140, 662-673.	5.1	67
12	Automated 2D Peptide Separation on a 1D Nano-LC-MS System. Journal of Proteome Research, 2009, 8, 1610-1616.	3.7	62
13	Inhibition of the deubiquitinase USP5 leads to c-Maf protein degradation and myeloma cell apoptosis. Cell Death and Disease, 2017, 8, e3058-e3058.	6.3	61
14	Reciprocal stabilization of ABL and TAZ regulates osteoblastogenesis through transcription factor RUNX2. Journal of Clinical Investigation, 2016, 126, 4482-4496.	8.2	60
15	Measurement of Protein Phosphorylation Stoichiometry by Selected Reaction Monitoring Mass Spectrometry. Journal of Proteome Research, 2010, 9, 2752-2761.	3.7	58
16	Selected Reaction Monitoring (SRM) Analysis of Epidermal Growth Factor Receptor (EGFR) in Formalin Fixed Tumor Tissue. Clinical Proteomics, 2012, 9, 5.	2.1	57
17	Evosep One Enables Robust Deep Proteome Coverage Using Tandem Mass Tags while Significantly Reducing Instrument Time. Journal of Proteome Research, 2019, 18, 2346-2353.	3.7	51
18	The ubiquitin ligase HERC4 mediates c-Maf ubiquitination and delays the growth of multiple myeloma xenografts in nude mice. Blood, 2016, 127, 1676-1686.	1.4	49

#	Article	IF	Citations
19	The Candida albicans transcription factor Cas5 couples stress responses, drug resistance and cell cycle regulation. Nature Communications, 2017, 8, 499.	12.8	49
20	Structural and Functional Characterization of Ubiquitin Variant Inhibitors of USP15. Structure, 2019, 27, 590-605.e5.	3.3	47
21	CCM-3 Promotes C.Âelegans Germline Development by Regulating Vesicle Trafficking Cytokinesis and Polarity. Current Biology, 2017, 27, 868-876.	3.9	44
22	Multiple myeloma phosphotyrosine proteomic profile associated with FGFR3 expression, ligand activation, and drug inhibition. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20127-20132.	7.1	43
23	CHCHD2 Is Coamplified with EGFR in NSCLC and Regulates Mitochondrial Function and Cell Migration. Molecular Cancer Research, 2015, 13, 1119-1129.	3.4	43
24	Prediction of LC-MS/MS Properties of Peptides from Sequence by Deep Learning. Molecular and Cellular Proteomics, 2019, 18, 2099-2107.	3.8	43
25	ID1 Is Critical for Tumorigenesis and Regulates Chemoresistance in Glioblastoma. Cancer Research, 2019, 79, 4057-4071.	0.9	39
26	Data Dependentâ€“Independent Acquisition (DDIA) Proteomics. Journal of Proteome Research, 2020, 19, 3230-3237.	3.7	39
27	The deubiquitinase USP7 stabilizes Maf proteins to promote myeloma cell survival. Journal of Biological Chemistry, 2020, 295, 2084-2096.	3.4	38
28	The ubiquitin-conjugating enzyme UBE2O modulates c-Maf stability and induces myeloma cell apoptosis. Journal of Hematology and Oncology, 2017, 10, 132.	17.0	34
29	Tyrosine Phosphorylation of the Lyn Src Homology 2 (SH2) Domain Modulates Its Binding Affinity and Specificity*. Molecular and Cellular Proteomics, 2015, 14, 695-706.	3.8	31
30	Comprehensive proteome analysis of fresh frozen and optimal cutting temperature (OCT) embedded primary non-small cell lung carcinoma by LCâ€“MS/MS. Methods, 2015, 81, 50-55.	3.8	30
31	A drug discovery platform to identify compounds that inhibit EGFR triple mutants. Nature Chemical Biology, 2020, 16, 577-586.	8.0	30
32	Targeting the Otub1/c-Maf axis for the treatment of multiple myeloma. Blood, 2021, 137, 1478-1490.	1.4	30
33	Ras Binding Triggers Ubiquitination of the Ras Exchange Factor Ras-GRF2. Molecular and Cellular Biology, 2001, 21, 2107-2117.	2.3	29
34	Tandem Immunoprecipitation of Phosphotyrosine-Mass Spectrometry (TIPY-MS) Indicates C19ORF19 Becomes Tyrosine-Phosphorylated and Associated with Activated Epidermal Growth Factor Receptor. Journal of Proteome Research, 2008, 7, 1067-1077.	3.7	28
35	Primary Tumor Xenografts of Human Lung Adeno and Squamous Cell Carcinoma Express Distinct Proteomic Signatures. Journal of Proteome Research, 2011, 10, 161-174.	3.7	27
36	Ubiquitination of the transcription factor c-MAF is mediated by multiple lysine residues. International Journal of Biochemistry and Cell Biology, 2014, 57, 157-166.	2.8	27

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37	Evidence for SH3 domain directed binding and phosphorylation of Sam68 by Src. Oncogene, 1999, 18, 4647-4653.	5.9	25
38	A murineCDC25/ras-GRF-related protein implicated in ras regulation. Genesis, 1993, 14, 339-346.	2.1	24
39	Differential phosphoprofiles of EGF and EGFR kinase inhibitor-treated human tumor cells and mouse xenografts. Clinical Proteomics, 2004, 1, 69-80.	2.1	24
40	Proteomic profiles of human lung adeno and squamous cell carcinoma using superâ€SILAC and labelâ€free quantification approaches. Proteomics, 2014, 14, 795-803.	2.2	24
41	Repeat-Preserving Decoy Database for False Discovery Rate Estimation in Peptide Identification. Journal of Proteome Research, 2020, 19, 1029-1036.	3.7	24
42	Extracellular phosphorylation drives the formation of neuronal circuitry. Nature Chemical Biology, 2019, 15, 1035-1042.	8.0	22
43	Calmodulin-Independent Coordination of Ras and Extracellular Signal-Regulated Kinase Activation by Ras-GRF2. Molecular and Cellular Biology, 2000, 20, 2727-2733.	2.3	21
44	Odin (ANKS1A) Modulates EGF Receptor Recycling and Stability. PLoS ONE, 2013, 8, e64817.	2.5	21
45	Proteinâ€phosphotyrosine proteome profiling by superbinderâ€SH2 domain affinity purification mass spectrometry, sSH2â€APâ€MS. Proteomics, 2017, 17, 1600360.	2.2	21
46	Identification of human plasma cells with a lamprey monoclonal antibody. JCI Insight, 2016, 1, .	5.0	21
47	Integrative analysis of non-small cell lung cancer patient-derived xenografts identifies distinct proteotypes associated with patient outcomes. Nature Communications, 2022, 13, 1811.	12.8	21
48	Cancer proteome and metabolite changes linked to SHMT2. PLoS ONE, 2020, 15, e0237981.	2.5	18
49	Integrated analysis of proteome, phosphotyrosineâ€proteome, tyrosineâ€kinome, and tyrosineâ€phosphatome in acute myeloid leukemia. Proteomics, 2017, 17, 1600361.	2.2	17
50	Emerging applications for phospho-proteomics in cancer molecular therapeutics. Biochimica Et Biophysica Acta: Reviews on Cancer, 2006, 1766, 230-241.	7.4	16
51	Loss of MAT2A compromises methionine metabolism and represents a vulnerability in H3K27M mutant glioma by modulating the epigenome. Nature Cancer, 2022, 3, 629-648.	13.2	16
52	A neuroprotective agent that inactivates prodegenerative TrkA and preserves mitochondria. Journal of Cell Biology, 2017, 216, 3655-3675.	5.2	14
53	A tyrosine sulfationâ€“dependent HLA-I modification identifies memory B cells and plasma cells. Science Advances, 2018, 4, eaar7653.	10.3	13
54	Pathologic Oxidation of PTPN12 Underlies ABL1 Phosphorylation in Hereditary Leiomyomatosis and Renal Cell Carcinoma. Cancer Research, 2018, 78, 6539-6548.	0.9	12

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55	Differential regulation of FGFR3 by PTPN1 and PTPN2. Proteomics, 2015, 15, 419-433.	2.2	10
56	Engineered SH2 domains with tailored specificities and enhanced affinities for phosphoproteome analysis. Protein Science, 2019, 28, 403-413.	7.6	10
57	Distinct Regulation of Transmitter Release at the Drosophila NMJ by Different Isoforms of nemy. PLoS ONE, 2015, 10, e0132548.	2.5	9
58	Reinspection of a Clinical Proteomics Tumor Analysis Consortium (CPTAC) Dataset with Cloud Computing Reveals Abundant Post-Translational Modifications and Protein Sequence Variants. Cancers, 2021, 13, 5034.	3.7	9
59	A 54-kDa protein related to ras-guanine nucleotide release factor expressed in the rat exocrine pancreas. Cell and Tissue Research, 1997, 289, 505-515.	2.9	6
60	Ibrutinib Sensitizes AML Cells to ROS Inducers Via a BTK-Independent Mechanism. Blood, 2014, 124, 2226-2226.	1.4	6
61	Tankyrase represses autoinflammation through the attenuation of TLR2 signaling. Journal of Clinical Investigation, 2022, 132, .	8.2	6
62	Engineered SH2 Domains for Targeted Phosphoproteomics. ACS Chemical Biology, 0, , .	3.4	6
63	Abstract 636: PROFYLE: The pan-Canadian precision oncology program for children, adolescents and young adults with hard-to-treat cancer. , 2021, , .		3
64	Proteomic Characterization of a Candidate Polygenic Driver of Metabolism in Non-small Cell Lung Cancer. Journal of Molecular Biology, 2022, 434, 167636.	4.2	3
65	Somatic Alteration Burden Involving Non-Cancer Genes Predicts Prognosis in Early-Stage Non-Small Cell Lung Cancer. Cancers, 2019, 11, 1009.	3.7	2
66	Measurement of Protein Phosphorylation Stoichiometry by SRMâ€MS. Current Protocols in Chemical Biology, 2012, 4, 65-81.	1.7	1
67	A Novel Chromene-Based Pan-PI3 Kinase Inhibitor Displays Preclinical Activity in Leukemia and Myeloma.. Blood, 2008, 112, 1605-1605.	1.4	1
68	Abstract 5224: The PRecision Oncology For Young peopLE (PROFYLE) Program: A national precision oncology program for children, adolescents and young adults with hard-to-cure cancer in Canada. Cancer Research, 2022, 82, 5224-5224.	0.9	1
69	SLAP2 Adaptor Binding Disrupts c-CBL Autoinhibition to Activate Ubiquitin Ligase Function. Journal of Molecular Biology, 2021, 433, 166880.	4.2	0
70	A Small Molecule Inhibitor of D-Cyclin Transactivation Displays Preclinical Efficacy in Myeloma and Leukemia.. Blood, 2009, 114, 2036-2036.	1.4	0
71	Ubiquitination of the transcription factor câ€maf is mediated by multiple lysine residues (LB188). FASEB Journal, 2014, 28, LB188.	0.5	0
72	Integrated Omic Analysis of Lung Cancer Reveals Metabolism Proteome Signatures with Prognostic Impact. FASEB Journal, 2015, 29, LB114.	0.5	0