Michael B Major

List of Publications by Year
in descending order

71 papers	4,495 citations	126858 33 h-index	110317 64 g-index
79 all docs	79 docs citations	79 times ranked	8084 citing authors

#	Article	IF	Citations
1	Distinct Wnt signaling pathways have opposing roles in appendage regeneration. Development (Cambridge), 2007, 134, 479-489.	1.2	480
2	Wilms Tumor Suppressor WTX Negatively Regulates WNT/Â-Catenin Signaling. Science, 2007, 316, 1043-1046.	6.0	379
3	Activated Wnt/ÃŸ-catenin signaling in melanoma is associated with decreased proliferation in patient tumors and a murine melanoma model. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1193-1198.	3.3	313
4	Common genetic variation within the Low-Density Lipoprotein Receptor-Related Protein 6 and late-onset Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9434-9439.	3.3	252
5	Proteomic Analysis of Ubiquitin Ligase KEAP1 Reveals Associated Proteins That Inhibit NRF2 Ubiquitination. Cancer Research, 2013, 73, 2199-2210.	0.4	209
6	The Kindler Syndrome Protein Is Regulated by Transforming Growth Factor-Î² and Involved in Integrin-mediated Adhesion. Journal of Biological Chemistry, 2004, 279, 6824-6833.	1.6	142
7	NRF2 Activation in Cancer: From DNA to Protein. Cancer Research, 2019, 79, 889-898.	0.4	140
8	New Regulators of Wnt/Î²-Catenin Signaling Revealed by Integrative Molecular Screening. Science Signaling, 2008, 1, ra12.	1.6	135
9	Cancer-Derived Mutations in KEAP1 Impair NRF2 Degradation but not Ubiquitination. Cancer Research, 2014, 74, 808-817.	0.4	121
10	Small-molecule synergist of the Wnt/Î²-catenin signaling pathway. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7444-7448.	3.3	118
11	The whole-genome landscape of Burkitt lymphoma subtypes. Blood, 2019, 134, 1598-1607.	0.6	113
12	Hemi-methylated DNA regulates DNA methylation inheritance through allosteric activation of H3 ubiquitylation by UHRF1. ELife, 2016, 5, .	2.8	111
13	Wilms Tumor Gene on X Chromosome (WTX) Inhibits Degradation of NRF2 Protein through Competitive Binding to KEAP1 Protein. Journal of Biological Chemistry, 2012, 287, 6539-6550.	1.6	110
14	Systematic analysis of SARS-CoV-2 infection of an ACE2-negative human airway cell. Cell Reports, 2021, 36, 109364.	2.9	109
15	BRG1/SMARCA4 Inactivation Promotes Nonâ€“Small Cell Lung Cancer Aggressiveness by Altering Chromatin Organization. Cancer Research, 2014, 74, 6486-6498.	0.4	104
16	WIKI4, a Novel Inhibitor of Tankyrase and Wnt/ÃŸ-Catenin Signaling. PLoS ONE, 2012, 7, e50457.	1.1	89
17	USP6 oncogene promotes Wnt signaling by deubiquitylating Frizzleds. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2945-54.	3.3	84
18	Glycosylation of <scp>KEAP</scp>1 links nutrient sensing to redox stress signaling. EMBO Journal, 2017, 36, 2233-2250.	3.5	82

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19	FOXP1 potentiates Wnt/Î²-catenin signaling in diffuse large B cell lymphoma. Science Signaling, 2015, 8, ra12.	1.6	71
20	Identification and Characterization of MCM3 as a Kelch-like ECH-associated Protein 1 (KEAP1) Substrate. Journal of Biological Chemistry, 2016, 291, 23719-23733.	1.6	68
21	WNT Activates the AAK1 Kinase to Promote Clathrin-Mediated Endocytosis of LRP6 and Establish a Negative Feedback Loop. Cell Reports, 2019, 26, 79-93.e8.	2.9	68
22	The mucolipidosis IV Ca2+ channel TRPML1 (MCOLN1) is regulated by the TOR kinase. Biochemical Journal, 2015, 470, 331-342.	1.7	63
23	Ginger Compound [6]-Shogaol and Its Cysteine-Conjugated Metabolite (M2) Activate Nrf2 in Colon Epithelial Cells in Vitro and in Vivo. Chemical Research in Toxicology, 2014, 27, 1575-1585.	1.7	60
24	The autism-linked UBE3A T485A mutant E3 ubiquitin ligase activates the Wnt/Î²-catenin pathway by inhibiting the proteasome. Journal of Biological Chemistry, 2017, 292, 12503-12515.	1.6	59
25	Hyperactivity of the transcription factor Nrf2 causes metabolic reprogramming in mouse esophagus. Journal of Biological Chemistry, 2019, 294, 327-340.	1.6	57
26	Brutonâ€™s Tyrosine Kinase Revealed as a Negative Regulator of Wntâ€“Î²-Catenin Signaling. Science Signaling, 2009, 2, ra25.	1.6	56
27	Substrate Trapping Proteomics Reveals Targets of the Î²TrCP2/FBXW11 Ubiquitin Ligase. Molecular and Cellular Biology, 2015, 35, 167-181.	1.1	55
28	A neomorphic cancer cell-specific role of MAGE-A4 in trans-lesion synthesis. Nature Communications, 2016, 7, 12105.	5.8	52
29	Ponatinib Shows Potent Antitumor Activity in Small Cell Carcinoma of the Ovary Hypercalcemic Type (SCCOHT) through Multikinase Inhibition. Clinical Cancer Research, 2018, 24, 1932-1943.	3.2	51
30	The Cancer/Testes (CT) Antigen HORMAD1 promotes Homologous Recombinational DNA Repair and Radioresistance in Lung adenocarcinoma cells. Scientific Reports, 2018, 8, 15304.	1.6	43
31	Identification of a Î² 3â€² Enhancer That Mediates SMAD3- and SMAD4-dependent Transcriptional Induction by Transforming Growth Factor Î². Journal of Biological Chemistry, 2004, 279, 5278-5287.	1.6	40
32	Microbial enzymes induce colitis by reactivating triclosan in the mouse gastrointestinal tract. Nature Communications, 2022, 13, 136.	5.8	39
33	Modulation of Kaposi's Sarcoma-Associated Herpesvirus Interleukin-6 Function by Hypoxia-Upregulated Protein 1. Journal of Virology, 2014, 88, 9429-9441.	1.5	37
34	Competitive Kinase Enrichment Proteomics Reveals that Abemaciclib Inhibits GSK3Î² and Activates WNT Signaling. Molecular Cancer Research, 2018, 16, 333-344.	1.5	33
35	Targeted therapy of esophageal squamous cell carcinoma: the NRF2 signaling pathway as target. Annals of the New York Academy of Sciences, 2018, 1434, 164-172.	1.8	33
36	SNF5/INI1 Deficiency Redefines Chromatin Remodeling Complex Composition during Tumor Development. Molecular Cancer Research, 2014, 12, 1574-1585.	1.5	31

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37	Novel inhibitors of leukocyte transendothelial migration. Bioorganic Chemistry, 2019, 92, 103250.	2.0	31
38	Receptor Tyrosine Kinase-like Orphan Receptor 2 (Ror2) Expression Creates a Poised State of Wnt Signaling in Renal Cancer. Journal of Biological Chemistry, 2013, 288, 26301-26310.	1.6	29
39	The MyMOMA domain of MYO19 encodes for distinct Miroâ€dependent and Miroâ€independent mechanisms of interaction with mitochondrial membranes. Cytoskeleton, 2020, 77, 149-166.	1.0	28
40	Loss of SWI/SNF Chromatin Remodeling Alters NRF2 Signaling in Nonâ€“Small Cell Lung Carcinoma. Molecular Cancer Research, 2020, 18, 1777-1788.	1.5	24
41	A Circle RNA Regulatory Axis Promotes Lung Squamous Metastasis via CDR1-Mediated Regulation of Golgi Trafficking. Cancer Research, 2020, 80, 4972-4985.	0.4	23
42	Genetic and pharmacological inhibition of TTK impairs pancreatic cancer cell line growth by inducing lethal chromosomal instability. PLoS ONE, 2017, 12, e0174863.	1.1	23
43	Ccdc94 Protects Cells from Ionizing Radiation by Inhibiting the Expression of p53. PLoS Genetics, 2012, 8, e1002922.	1.5	21
44	Engineering a genetically encoded competitive inhibitor of the KEAP1â€“NRF2 interaction via structure-based design and phage display. Protein Engineering, Design and Selection, 2016, 29, gzv055.	1.0	21
45	The TRIM9/TRIM67 neuronal interactome reveals novel activators of morphogenesis. Molecular Biology of the Cell, 2021, 32, 314-330.	0.9	21
46	FAM129B is a novel regulator of Wnt/Î²-catenin signal transduction in melanoma cells. F1000Research, 2013, 2, 134.	0.8	21
47	Î²-catenin gets jaded and von Hippel-Lindau is to blame. Trends in Biochemical Sciences, 2009, 34, 101-104.	3.7	20
48	Spotlite: Web Application and Augmented Algorithms for Predicting Co-Complexed Proteins from Affinity Purification â€“ Mass Spectrometry Data. Journal of Proteome Research, 2014, 13, 5944-5955.	1.8	18
49	Gain-of-function genetic screen of the kinome reveals BRSK2 as an inhibitor of the NRF2 transcription factor. Journal of Cell Science, 2020, 133, .	1.2	17
50	FAM123A Binds to Microtubules and Inhibits the Guanine Nucleotide Exchange Factor ARHGEF2 to Decrease Actomyosin Contractility. Science Signaling, 2012, 5, ra64.	1.6	16
51	Weight loss reduces basal-like breast cancer through kinome reprogramming. Cancer Cell International, 2016, 16, 26.	1.8	16
52	A conditional mouse expressing an activating mutation in <scp>NRF2</scp> displays hyperplasia of the upper gastrointestinal tract and decreased white adipose tissue. Journal of Pathology, 2020, 252, 125-137.	2.1	16
53	TRIM67 regulates exocytic mode and neuronal morphogenesis via SNAP47. Cell Reports, 2021, 34, 108743.	2.9	14
54	A 1,536-Well Ultra-High-Throughput siRNA Screen to Identify Regulators of the Wnt/Î²-Catenin Pathway. Assay and Drug Development Technologies, 2010, 8, 286-294.	0.6	13

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55	FAM129B is a novel regulator of Wnt/Î²-catenin signal transduction in melanoma cells. F1000Research, 2013, 2, 134.	0.8	12
56	Positive Cooperativity in Substrate Binding by Human Thymidylate Synthase. Biophysical Journal, 2019, 117, 1074-1084.	0.2	11
57	Dissecting the Keap1/Nrf2 pathway through proteomics. Current Opinion in Toxicology, 2016, 1, 118-124.	2.6	9
58	Computerâ€Aided Design and Synthesis of 1â€{4â€[(3,4â€Dihydroxybenzylidene)amino]phenyl}â€5â€oxopyrrolidineâ€3â€carboxylic Acid as an Nrf2 Enhancer. ChemPlusChem, 2018, 83, 320-333.	1.3	9
59	Integrative Analysis of Genome-Wide RNA Interference Screens. Science Signaling, 2009, 2, pt4.	1.6	8
60	MSAcquisitionSimulator: data-dependent acquisition simulator for LC-MS shotgun proteomics. Bioinformatics, 2016, 32, 1269-1271.	1.8	8
61	In silico APC/C substrate discovery reveals cell cycle-dependent degradation of UHRF1 and other chromatin regulators. PLoS Biology, 2020, 18, e3000975.	2.6	7
62	TP53, CDKN2A/P16, and NFE2L2/NRF2 regulate the incidence of pure- and combined-small cell lung cancer in mice. Oncogene, 2022, 41, 3423-3432.	2.6	7
63	PKIS deep dive yields a chemical starting point for dark kinases and a cell active BRSK2 inhibitor. Scientific Reports, 2020, 10, 15826.	1.6	6
64	Deglutarylation of glutaryl-CoA dehydrogenase by deacylating enzyme SIRT5 promotes lysine oxidation in mice. Journal of Biological Chemistry, 2022, 298, 101723.	1.6	5
65	Protein proximity networks and functional evaluation of the casein kinase 1 gamma family reveal unique roles for CK1Î³3 in WNT signaling. Journal of Biological Chemistry, 2022, 298, 101986.	1.6	5
66	â€œOmicâ€•Risk Assessment. Science Signaling, 2009, 2, eg7.	1.6	4
67	Visualizing an Allosteric Intermediate Using CuAAC Stabilization of an NMR Mixed Labeled Dimer. ACS Chemical Biology, 2021, 16, 2766-2775.	1.6	4
68	Approximating Isotope Distributions of Biomolecule Fragments. ACS Omega, 2018, 3, 11383-11391.	1.6	3
69	Dynamics and evolution of Î²-catenin-dependent Wnt signaling revealed through massively parallel clonogenic screening. Integrative Biology (United Kingdom), 2014, 6, 673-684.	0.6	2
70	Computer-Aided Design and Synthesis of 1-{4-[(3,4-Dihydroxybenzylidene)amino]phenyl}-5-oxopyrrolidine-3-carboxylic Acid as an Nrf2 Enhancer. ChemPlusChem, 2018, 83, 318-318.	1.3	2
71	Science Signaling Podcast: 3 February 2015. Science Signaling, 2015, 8, .	1.6	0