Michael B Major

List of Publications by Year in Descending Order

71 papers	3,323 citations	30 h-index	57 g-index
79 ext. papers	3,979 ext. citations	7.2 avg, IF	4.77 L-index

#	Paper	IF	Citations
71	Deglutarylation of glutaryl-CoA dehydrogenase by deacylating enzyme SIRT5 promotes lysine oxidation in mice.. *Journal of Biological Chemistry*, **2022**, 101723	5.4	0
70	Microbial enzymes induce colitis by reactivating triclosan in the mouse gastrointestinal tract.. *Nature Communications*, **2022**, 13, 136	17.4	3
69	Protein proximity networks and functional evaluation of the Casein Kinase 1 family reveal unique roles for CK1 in WNT signaling.. *Journal of Biological Chemistry*, **2022**, 101986	5.4	1
68	Visualizing an Allosteric Intermediate Using CuAAC Stabilization of an NMR Mixed Labeled Dimer. *ACS Chemical Biology*, **2021**,	4.9	2
67	Systematic analysis of SARS-CoV-2 infection of an ACE2-negative human airway cell **2021**,		4
66	TRIM67 regulates exocytic mode and neuronal morphogenesis via SNAP47. *Cell Reports*, **2021**, 34, 108743	10.6	4
65	The TRIM9/TRIM67 neuronal interactome reveals novel activators of morphogenesis. *Molecular Biology of the Cell*, **2021**, 32, 314-330	3.5	4
64	Systematic analysis of SARS-CoV-2 infection of an ACE2-negative human airway cell. *Cell Reports*, **2021**, 36, 109364	10.6	42
63	Gain-of-function genetic screen of the kinome reveals BRSK2 as an inhibitor of the NRF2 transcription factor. *Journal of Cell Science*, **2020**, 133,	5.3	8
62	A conditional mouse expressing an activating mutation in NRF2 displays hyperplasia of the upper gastrointestinal tract and decreased white adipose tissue. *Journal of Pathology*, **2020**, 252, 125-137	9.4	5
61	In silico APC/C substrate discovery reveals cell cycle-dependent degradation of UHRF1 and other chromatin regulators. *PLoS Biology*, **2020**, 18, e3000975	9.7	5
60	The MyMOMA domain of MYO19 encodes for distinct Miro-dependent and Miro-independent mechanisms of interaction with mitochondrial membranes. *Cytoskeleton*, **2020**, 77, 149-166	2.4	15
59	A Circle RNA Regulatory Axis Promotes Lung Squamous Metastasis via CDR1-Mediated Regulation of Golgi Trafficking. *Cancer Research*, **2020**, 80, 4972-4985	10.1	11
58	PKIS deep dive yields a chemical starting point for dark kinases and a cell active BRSK2 inhibitor. *Scientific Reports*, **2020**, 10, 15826	4.9	3
57	Loss of SWI/SNF Chromatin Remodeling Alters NRF2 Signaling in Non-Small Cell Lung Carcinoma. *Molecular Cancer Research*, **2020**, 18, 1777-1788	6.6	5
56	The whole-genome landscape of Burkitt lymphoma subtypes. *Blood*, **2019**, 134, 1598-1607	2.2	54
55	Positive Cooperativity in Substrate Binding by Human Thymidylate Synthase. *Biophysical Journal*, **2019**, 117, 1074-1084	2.9	6

54	Novel inhibitors of leukocyte transendothelial migration. *Bioorganic Chemistry*, **2019**, 92, 103250	5.1	13
53	NRF2 Activation in Cancer: From DNA to Protein. *Cancer Research*, **2019**, 79, 889-898	10.1	84
52	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	10.6	34
51	Hyperactivity of the transcription factor Nrf2 causes metabolic reprogramming in mouse esophagus. *Journal of Biological Chemistry*, **2019**, 294, 327-340	5.4	29
50	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	12.9	39
49	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, 320-333	2.8	6
48	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	2.8	2
47	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	6.5	24
46	Competitive Kinase Enrichment Proteomics Reveals that Abemaciclib Inhibits GSK3β and Activates WNT Signaling. *Molecular Cancer Research*, **2018**, 16, 333-344	6.6	16
45	The Cancer/Testes (CT) Antigen HORMAD1 promotes Homologous Recombinational DNA Repair and Radioresistance in Lung adenocarcinoma cells. *Scientific Reports*, **2018**, 8, 15304	4.9	22
44	Approximating Isotope Distributions of Biomolecule Fragments. *ACS Omega*, **2018**, 3, 11383-11391	3.9	0
43	The autism-linked UBE3A T485A mutant E3 ubiquitin ligase activates the Wnt/β-catenin pathway by inhibiting the proteasome. *Journal of Biological Chemistry*, **2017**, 292, 12503-12515	5.4	40
42	Glycosylation of KEAP1 links nutrient sensing to redox stress signaling. *EMBO Journal*, **2017**, 36, 2233-2250	9.9	53
41	Genetic and pharmacological inhibition of TTK impairs pancreatic cancer cell line growth by inducing lethal chromosomal instability. *PLoS ONE*, **2017**, 12, e0174863	3.7	10
40	Identification and Characterization of MCM3 as a Kelch-like ECH-associated Protein 1 (KEAP1) Substrate. *Journal of Biological Chemistry*, **2016**, 291, 23719-23733	5.4	47
39	Weight loss reduces basal-like breast cancer through kinome reprogramming. *Cancer Cell International*, **2016**, 16, 26	6.4	9
38	Engineering a genetically encoded competitive inhibitor of the KEAP1-NRF2 interaction via structure-based design and phage display. *Protein Engineering, Design and Selection*, **2016**, 29, 1-9	1.9	18
37	Hemi-methylated DNA regulates DNA methylation inheritance through allosteric activation of H3 ubiquitylation by UHRF1. *ELife*, **2016**, 5,	8.9	80

36	Dissecting the Keap1/Nrf2 pathway through proteomics. *Current Opinion in Toxicology*, **2016**, 1, 118-124	4.4	6
35	A neomorphic cancer cell-specific role of MAGE-A4 in trans-lesion synthesis. *Nature Communications*, **2016**, 7, 12105	17.4	31
34	MSAcquisitionSimulator: data-dependent acquisition simulator for LC-MS shotgun proteomics. *Bioinformatics*, **2016**, 32, 1269-71	7.2	5
33	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	11.5	62
32	Substrate trapping proteomics reveals targets of the HectCP2/FBXW11 ubiquitin ligase. *Molecular and Cellular Biology*, **2015**, 35, 167-81	4.8	37
31	FOXP1 potentiates Wnt/Bcatenin signaling in diffuse large B cell lymphoma. *Science Signaling*, **2015**, 8, ra12	8.8	44
30	The mucolipidosis IV Ca2+ channel TRPML1 (MCOLN1) is regulated by the TOR kinase. *Biochemical Journal*, **2015**, 470, 331-42	3.8	50
29	Cancer-derived mutations in KEAP1 impair NRF2 degradation but not ubiquitination. *Cancer Research*, **2014**, 74, 808-17	10.1	93
28	Dynamics and evolution of Bcatenin-dependent Wnt signaling revealed through massively parallel clonogenic screening. *Integrative Biology (United Kingdom)*, **2014**, 6, 673-84	3.7	2
27	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, 1575-85	4	41
26	New Insights from Proteomic Analysis of Wnt Signaling **2014**, 125-135		
25	Modulation of Kaposi's sarcoma-associated herpesvirus interleukin-6 function by hypoxia-upregulated protein 1. *Journal of Virology*, **2014**, 88, 9429-41	6.6	31
24	SNF5/INI1 deficiency redefines chromatin remodeling complex composition during tumor development. *Molecular Cancer Research*, **2014**, 12, 1574-85	6.6	19
23	Spotlite: web application and augmented algorithms for predicting co-complexed proteins from affinity purification--mass spectrometry data. *Journal of Proteome Research*, **2014**, 13, 5944-55	5.6	16
22	BRG1/SMARCA4 inactivation promotes non-small cell lung cancer aggressiveness by altering chromatin organization. *Cancer Research*, **2014**, 74, 6486-6498	10.1	76
21	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	5.4	18
20	Proteomic analysis of ubiquitin ligase KEAP1 reveals associated proteins that inhibit NRF2 ubiquitination. *Cancer Research*, **2013**, 73, 2199-210	10.1	159
19	FAM129B is a novel regulator of Wnt/Bcatenin signal transduction in melanoma cells. *F1000Research*, **2013**, 2, 134	3.6	11

18	FAM129B is a novel regulator of Wnt/Ecatenin signal transduction in melanoma cells. *F1000Research*, **2013**, 2, 134	3.6	13
17	WIKI4, a novel inhibitor of tankyrase and Wnt/Ecatenin signaling. *PLoS ONE*, **2012**, 7, e50457	3.7	70
16	Ccdc94 protects cells from ionizing radiation by inhibiting the expression of p53. *PLoS Genetics*, **2012**, 8, e1002922	6	18
15	FAM123A binds to microtubules and inhibits the guanine nucleotide exchange factor ARHGEF2 to decrease actomyosin contractility. *Science Signaling*, **2012**, 5, ra64	8.8	13
14	Wilms tumor gene on X chromosome (WTX) inhibits degradation of NRF2 protein through competitive binding to KEAP1 protein. *Journal of Biological Chemistry*, **2012**, 287, 6539-50	5.4	85
13	A 1,536-well ultra-high-throughput siRNA screen to identify regulators of the Wnt/beta-catenin pathway. *Assay and Drug Development Technologies*, **2010**, 8, 286-94	2.1	13
12	Integrative analysis of genome-wide RNA interference screens. *Science Signaling*, **2009**, 2, pt4	8.8	8
11	Brutonls tyrosine kinase revealed as a negative regulator of Wnt-beta-catenin signaling. *Science Signaling*, **2009**, 2, ra25	8.8	47
10	Activated Wnt/beta-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, 1193-8	11.5	272
9	Beta-catenin gets jaded and von Hippel-Lindau is to blame. *Trends in Biochemical Sciences*, **2009**, 34, 101-4	10.3	19
8	New regulators of Wnt/beta-catenin signaling revealed by integrative molecular screening. *Science Signaling*, **2008**, 1, ra12	8.8	121
7	Distinct Wnt signaling pathways have opposing roles in appendage regeneration. *Development (Cambridge)*, **2007**, 134, 479-89	6.6	415
6	Small-molecule synergist of the Wnt/beta-catenin signaling pathway. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 7444-8	11.5	103
5	Common genetic variation within the low-density lipoprotein receptor-related protein 6 and late-onset Alzheimerls disease. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 9434-9	11.5	220
4	Wilms tumor suppressor WTX negatively regulates WNT/beta-catenin signaling. *Science*, **2007**, 316, 1043-6	33.3	341
3	The Kindler syndrome protein is regulated by transforming growth factor-beta and involved in integrin-mediated adhesion. *Journal of Biological Chemistry*, **2004**, 279, 6824-33	5.4	126
2	Identification of a gadd45beta 3Uenhancer that mediates SMAD3- and SMAD4-dependent transcriptional induction by transforming growth factor beta. *Journal of Biological Chemistry*, **2004**, 279, 5278-87	5.4	36
1	The MyMOMA domain of MYO19 encodes for distinct Miro-dependent and Miro-independent mechanisms of interaction with mitochondrial membranes		1