

# Michael B Major

## List of Publications by Citations

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

| #  | Paper   | IF   | Citations |
|----|---|------|-----------|
| 71 | Distinct Wnt signaling pathways have opposing roles in appendage regeneration. <i>Development (Cambridge)</i> , <b>2007</b> , 134, 479-89   | 6.6  | 415       |
| 70 | Wilms tumor suppressor WTX negatively regulates WNT/beta-catenin signaling. <i>Science</i> , <b>2007</b> , 316, 1043-6  | 39.3 | 341       |
| 69 | Activated Wnt/beta-catenin signaling in melanoma is associated with decreased proliferation in patient tumors and a murine melanoma model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 1193-8 | 11.5 | 272       |
| 68 | Common genetic variation within the low-density lipoprotein receptor-related protein 6 and late-onset Alzheimer's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 9434-9                 | 11.5 | 220       |
| 67 | Proteomic analysis of ubiquitin ligase KEAP1 reveals associated proteins that inhibit NRF2 ubiquitination. <i>Cancer Research</i> , <b>2013</b> , 73, 2199-210  | 10.1 | 159       |
| 66 | The Kindler syndrome protein is regulated by transforming growth factor-beta and involved in integrin-mediated adhesion. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 6824-33  | 5.4  | 126       |
| 65 | New regulators of Wnt/beta-catenin signaling revealed by integrative molecular screening. <i>Science Signaling</i> , <b>2008</b> , 1, ra12  | 8.8  | 121       |
| 64 | Small-molecule synergist of the Wnt/beta-catenin signaling pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 7444-8  | 11.5 | 103       |
| 63 | Cancer-derived mutations in KEAP1 impair NRF2 degradation but not ubiquitination. <i>Cancer Research</i> , <b>2014</b> , 74, 808-17   | 10.1 | 93        |
| 62 | Wilms tumor gene on X chromosome (WTX) inhibits degradation of NRF2 protein through competitive binding to KEAP1 protein. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 6539-50   | 5.4  | 85        |
| 61 | NRF2 Activation in Cancer: From DNA to Protein. <i>Cancer Research</i> , <b>2019</b> , 79, 889-898  | 10.1 | 84        |
| 60 | Hemi-methylated DNA regulates DNA methylation inheritance through allosteric activation of H3 ubiquitylation by UHRF1. <i>ELife</i> , <b>2016</b> , 5,  | 8.9  | 80        |
| 59 | BRG1/SMARCA4 inactivation promotes non-small cell lung cancer aggressiveness by altering chromatin organization. <i>Cancer Research</i> , <b>2014</b> , 74, 6486-6498   | 10.1 | 76        |
| 58 | WIKI4, a novel inhibitor of tankyrase and Wnt/beta-catenin signaling. <i>PLoS ONE</i> , <b>2012</b> , 7, e50457   | 3.7  | 70        |
| 57 | USP6 oncogene promotes Wnt signaling by deubiquitylating Frizzleds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, E2945-54  | 11.5 | 62        |
| 56 | The whole-genome landscape of Burkitt lymphoma subtypes. <i>Blood</i> , <b>2019</b> , 134, 1598-1607  | 2.2  | 54        |
| 55 | Glycosylation of KEAP1 links nutrient sensing to redox stress signaling. <i>EMBO Journal</i> , <b>2017</b> , 36, 2233-2250  | 5.0  | 53        |

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|----|---|------|----|
| 54 | The mucopolidosis IV Ca <sup>2+</sup> channel TRPML1 (MCOLN1) is regulated by the TOR kinase. <i>Biochemical Journal</i> , <b>2015</b> , 470, 331-42  | 3.8  | 50 |
| 53 | Identification and Characterization of MCM3 as a Kelch-like ECH-associated Protein 1 (KEAP1) Substrate. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 23719-23733                                       | 5.4  | 47 |
| 52 | Bruton's tyrosine kinase revealed as a negative regulator of Wnt-beta-catenin signaling. <i>Science Signaling</i> , <b>2009</b> , 2, ra25   | 8.8  | 47 |
| 51 | FOXP1 potentiates Wnt/beta-catenin signaling in diffuse large B cell lymphoma. <i>Science Signaling</i> , <b>2015</b> , 8, ra12   | 8.8  | 44 |
| 50 | Systematic analysis of SARS-CoV-2 infection of an ACE2-negative human airway cell. <i>Cell Reports</i> , <b>2021</b> , 36, 109364   | 10.6 | 42 |
| 49 | Ginger compound [6]-shogaol and its cysteine-conjugated metabolite (M2) activate Nrf2 in colon epithelial cells in vitro and in vivo. <i>Chemical Research in Toxicology</i> , <b>2014</b> , 27, 1575-85              | 4    | 41 |
| 48 | The autism-linked UBE3A T485A mutant E3 ubiquitin ligase activates the Wnt/beta-catenin pathway by inhibiting the proteasome. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 12503-12515                 | 5.4  | 40 |
| 47 | Ponatinib Shows Potent Antitumor Activity in Small Cell Carcinoma of the Ovary Hypercalcemic Type (SCCOHT) through Multikinase Inhibition. <i>Clinical Cancer Research</i> , <b>2018</b> , 24, 1932-1943              | 12.9 | 39 |
| 46 | Substrate trapping proteomics reveals targets of the TRCP2/FBXW11 ubiquitin ligase. <i>Molecular and Cellular Biology</i> , <b>2015</b> , 35, 167-81  | 4.8  | 37 |
| 45 | Identification of a gadd45beta 3' enhancer that mediates SMAD3- and SMAD4-dependent transcriptional induction by transforming growth factor beta. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 5278-87 | 5.4  | 36 |
| 44 | WNT Activates the AAK1 Kinase to Promote Clathrin-Mediated Endocytosis of LRP6 and Establish a Negative Feedback Loop. <i>Cell Reports</i> , <b>2019</b> , 26, 79-93.e8   | 10.6 | 34 |
| 43 | Modulation of Kaposi's sarcoma-associated herpesvirus interleukin-6 function by hypoxia-upregulated protein 1. <i>Journal of Virology</i> , <b>2014</b> , 88, 9429-41   | 6.6  | 31 |
| 42 | A neomorphic cancer cell-specific role of MAGE-A4 in trans-lesion synthesis. <i>Nature Communications</i> , <b>2016</b> , 7, 12105  | 17.4 | 31 |
| 41 | Hyperactivity of the transcription factor Nrf2 causes metabolic reprogramming in mouse esophagus. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 327-340   | 5.4  | 29 |
| 40 | Targeted therapy of esophageal squamous cell carcinoma: the NRF2 signaling pathway as target. <i>Annals of the New York Academy of Sciences</i> , <b>2018</b> , 1434, 164-172   | 6.5  | 24 |
| 39 | The Cancer/Testes (CT) Antigen HORMAD1 promotes Homologous Recombinational DNA Repair and Radioresistance in Lung adenocarcinoma cells. <i>Scientific Reports</i> , <b>2018</b> , 8, 15304                            | 4.9  | 22 |
| 38 | SNF5/INI1 deficiency redefines chromatin remodeling complex composition during tumor development. <i>Molecular Cancer Research</i> , <b>2014</b> , 12, 1574-85  | 6.6  | 19 |
| 37 | Beta-catenin gets jaded and von Hippel-Lindau is to blame. <i>Trends in Biochemical Sciences</i> , <b>2009</b> , 34, 101-40.3   | 40.3 | 19 |

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|----|--|------|----|
| 36 | Receptor tyrosine kinase-like orphan receptor 2 (Ror2) expression creates a poised state of Wnt signaling in renal cancer. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 26301-26310           | 5.4  | 18 |
| 35 | Engineering a genetically encoded competitive inhibitor of the KEAP1-NRF2 interaction via structure-based design and phage display. <i>Protein Engineering, Design and Selection</i> , <b>2016</b> , 29, 1-9 | 1.9  | 18 |
| 34 | Ccdc94 protects cells from ionizing radiation by inhibiting the expression of p53. <i>PLoS Genetics</i> , <b>2012</b> , 8, e1002922  | 6    | 18 |
| 33 | Spotlite: web application and augmented algorithms for predicting co-complexed proteins from affinity purification--mass spectrometry data. <i>Journal of Proteome Research</i> , <b>2014</b> , 13, 5944-55  | 5.6  | 16 |
| 32 | Competitive Kinase Enrichment Proteomics Reveals that Abemaciclib Inhibits GSK3 $\beta$ and Activates WNT Signaling. <i>Molecular Cancer Research</i> , <b>2018</b> , 16, 333-344                            | 6.6  | 16 |
| 31 | The MyMOMA domain of MYO19 encodes for distinct Miro-dependent and Miro-independent mechanisms of interaction with mitochondrial membranes. <i>Cytoskeleton</i> , <b>2020</b> , 77, 149-166                  | 2.4  | 15 |
| 30 | Novel inhibitors of leukocyte transendothelial migration. <i>Bioorganic Chemistry</i> , <b>2019</b> , 92, 103250   | 5.1  | 13 |
| 29 | A 1,536-well ultra-high-throughput siRNA screen to identify regulators of the Wnt/beta-catenin pathway. <i>Assay and Drug Development Technologies</i> , <b>2010</b> , 8, 286-94                             | 2.1  | 13 |
| 28 | FAM123A binds to microtubules and inhibits the guanine nucleotide exchange factor ARHGEF2 to decrease actomyosin contractility. <i>Science Signaling</i> , <b>2012</b> , 5, ra64                             | 8.8  | 13 |
| 27 | FAM129B is a novel regulator of Wnt/ $\beta$ -catenin signal transduction in melanoma cells. <i>F1000Research</i> , <b>2013</b> , 2, 134   | 3.6  | 13 |
| 26 | FAM129B is a novel regulator of Wnt/ $\beta$ -catenin signal transduction in melanoma cells. <i>F1000Research</i> , <b>2013</b> , 2, 134   | 3.6  | 11 |
| 25 | A Circle RNA Regulatory Axis Promotes Lung Squamous Metastasis via CDR1-Mediated Regulation of Golgi Trafficking. <i>Cancer Research</i> , <b>2020</b> , 80, 4972-4985                                       | 10.1 | 11 |
| 24 | Genetic and pharmacological inhibition of TTK impairs pancreatic cancer cell line growth by inducing lethal chromosomal instability. <i>PLoS ONE</i> , <b>2017</b> , 12, e0174863                            | 3.7  | 10 |
| 23 | Weight loss reduces basal-like breast cancer through kinome reprogramming. <i>Cancer Cell International</i> , <b>2016</b> , 16, 26   | 6.4  | 9  |
| 22 | Gain-of-function genetic screen of the kinome reveals BRSK2 as an inhibitor of the NRF2 transcription factor. <i>Journal of Cell Science</i> , <b>2020</b> , 133,  | 5.3  | 8  |
| 21 | Integrative analysis of genome-wide RNA interference screens. <i>Science Signaling</i> , <b>2009</b> , 2, pt4  | 8.8  | 8  |
| 20 | Positive Cooperativity in Substrate Binding by Human Thymidylate Synthase. <i>Biophysical Journal</i> , <b>2019</b> , 117, 1074-1084   | 2.9  | 6  |
| 19 | Computer-Aided Design and Synthesis of 1-[4-[(3,4-Dihydroxybenzylidene)amino]phenyl]-5-oxopyrrolidine-3-carboxylic Acid as an Nrf2 Enhancer. <i>ChemPlusChem</i> , <b>2018</b> , 83, 320-333                 | 2.8  | 6  |

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|----|---|------|---|
| 18 | Dissecting the Keap1/Nrf2 pathway through proteomics. <i>Current Opinion in Toxicology</i> , <b>2016</b> , 1, 118-124   | 4.4  | 6 |
| 17 | A conditional mouse expressing an activating mutation in NRF2 displays hyperplasia of the upper gastrointestinal tract and decreased white adipose tissue. <i>Journal of Pathology</i> , <b>2020</b> , 252, 125-137 | 9.4  | 5 |
| 16 | In silico APC/C substrate discovery reveals cell cycle-dependent degradation of UHRF1 and other chromatin regulators. <i>PLoS Biology</i> , <b>2020</b> , 18, e3000975  | 9.7  | 5 |
| 15 | Loss of SWI/SNF Chromatin Remodeling Alters NRF2 Signaling in Non-Small Cell Lung Carcinoma. <i>Molecular Cancer Research</i> , <b>2020</b> , 18, 1777-1788   | 6.6  | 5 |
| 14 | MSAcquisitionSimulator: data-dependent acquisition simulator for LC-MS shotgun proteomics. <i>Bioinformatics</i> , <b>2016</b> , 32, 1269-71  | 7.2  | 5 |
| 13 | Systematic analysis of SARS-CoV-2 infection of an ACE2-negative human airway cell <b>2021</b> ,   |      | 4 |
| 12 | TRIM67 regulates exocytic mode and neuronal morphogenesis via SNAP47. <i>Cell Reports</i> , <b>2021</b> , 34, 108748  | 10.6 | 4 |
| 11 | The TRIM9/TRIM67 neuronal interactome reveals novel activators of morphogenesis. <i>Molecular Biology of the Cell</i> , <b>2021</b> , 32, 314-330   | 3.5  | 4 |
| 10 | Microbial enzymes induce colitis by reactivating triclosan in the mouse gastrointestinal tract.. <i>Nature Communications</i> , <b>2022</b> , 13, 136   | 17.4 | 3 |
| 9  | PKIS deep dive yields a chemical starting point for dark kinases and a cell active BRSK2 inhibitor. <i>Scientific Reports</i> , <b>2020</b> , 10, 15826   | 4.9  | 3 |
| 8  | Computer-Aided Design and Synthesis of 1-{4-[(3,4-Dihydroxybenzylidene)amino]phenyl}-5-oxopyrrolidine-3-carboxylic Acid as an Nrf2 Enhancer. <i>ChemPlusChem</i> , <b>2018</b> , 83, 318                            | 2.8  | 2 |
| 7  | Dynamics and evolution of Eatenin-dependent Wnt signaling revealed through massively parallel clonogenic screening. <i>Integrative Biology (United Kingdom)</i> , <b>2014</b> , 6, 673-84                           | 3.7  | 2 |
| 6  | Visualizing an Allosteric Intermediate Using CuAAC Stabilization of an NMR Mixed Labeled Dimer. <i>ACS Chemical Biology</i> , <b>2021</b> ,   | 4.9  | 2 |
| 5  | The MyMOMA domain of MYO19 encodes for distinct Miro-dependent and Miro-independent mechanisms of interaction with mitochondrial membranes  |      | 1 |
| 4  | Protein proximity networks and functional evaluation of the Casein Kinase 1 $\beta$ family reveal unique roles for CK1 $\beta$ in WNT signaling.. <i>Journal of Biological Chemistry</i> , <b>2022</b> , 101986     | 5.4  | 1 |
| 3  | Deglutarylation of glutaryl-CoA dehydrogenase by deacylating enzyme SIRT5 promotes lysine oxidation in mice.. <i>Journal of Biological Chemistry</i> , <b>2022</b> , 101723   | 5.4  | 0 |
| 2  | Approximating Isotope Distributions of Biomolecule Fragments. <i>ACS Omega</i> , <b>2018</b> , 3, 11383-11391   | 3.9  | 0 |
| 1  | New Insights from Proteomic Analysis of Wnt Signaling <b>2014</b> , 125-135   |      |   |

