

# Gregg B Morin

## List of Publications by Year in descending order

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Version: 2024-02-01

91  
papers

20,218  
citations

76326

40  
h-index

43889

91  
g-index

102  
all docs

102  
docs citations

102  
times ranked

25346  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Characterization of a small molecule inhibitor of disulfide reductases that induces oxidative stress and lethality in lung cancer cells. <i>Cell Reports</i> , 2022, 38, 110343.  | 6.4  | 14        |
| 2  | Proteomic analysis of archival breast cancer clinical specimens identifies biological subtypes with distinct survival outcomes. <i>Nature Communications</i> , 2022, 13, 896.   | 12.8 | 46        |
| 3  | Chloroquine treatment induces secretion of autophagy-related proteins and inclusion of Atg8-family proteins in distinct extracellular vesicle populations. <i>Autophagy</i> , 2022, 18, 2547-2560.  | 9.1  | 18        |
| 4  | Elucidating the importance and regulation of key enhancers for human MEIS1 expression. <i>Leukemia</i> , 2022, 36, 1980-1989.   | 7.2  | 6         |
| 5  | Whole-proteome analysis of mesonephric-derived cancers describes new potential biomarkers. <i>Human Pathology</i> , 2021, 108, 1-11.  | 2.0  | 8         |
| 6  | Protein feature analysis of heat shock induced ubiquitination sites reveals preferential modification site localization. <i>Journal of Proteomics</i> , 2021, 239, 104182.  | 2.4  | 3         |
| 7  | Proteomic Screens for Suppressors of Anoikis Identify IL1RAP as a Promising Surface Target in Ewing Sarcoma. <i>Cancer Discovery</i> , 2021, 11, 2884-2903.   | 9.4  | 51        |
| 8  | De novo and cell line models of human mammary cell transformation reveal an essential role for Yb-1 in multiple stages of human breast cancer. <i>Cell Death and Differentiation</i> , 2021, , .  | 11.2 | 2         |
| 9  | Multimomics Characterization of Low-Grade Serous Ovarian Carcinoma Identifies Potential Biomarkers of MEK Inhibitor Sensitivity and Therapeutic Vulnerability. <i>Cancer Research</i> , 2021, 81, 1681-1694.                                  | 0.9  | 19        |
| 10 | Proteotranscriptomic classification and characterization of pancreatic neuroendocrine neoplasms. <i>Cell Reports</i> , 2021, 37, 109817.  | 6.4  | 14        |
| 11 | Bottom-up proteomics of envelope proteins extracted from spinach chloroplast via high organic content CE-MS. <i>Electrophoresis</i> , 2020, 41, 370-378.  | 2.4  | 12        |
| 12 | Proteomic analysis of transitional cell carcinoma-like variant of tubo-ovarian high-grade serous carcinoma. <i>Human Pathology</i> , 2020, 101, 40-52.  | 2.0  | 4         |
| 13 | Arginine Depletion Therapy with ADI-PEG20 Limits Tumor Growth in Argininosuccinate Synthase-Deficient Ovarian Cancer, Including Small-Cell Carcinoma of the Ovary, Hypercalcemic Type. <i>Clinical Cancer Research</i> , 2020, 26, 4402-4413. | 7.0  | 21        |
| 14 | Dynamic pH barrage junction focusing of amino acids, peptides, and digested monoclonal antibodies in capillary electrophoresis-mass spectrometry. <i>Electrophoresis</i> , 2020, 41, 1832-1842.   | 2.4  | 12        |
| 15 | Loss of m1acp3 Ribosomal RNA Modification Is a Major Feature of Cancer. <i>Cell Reports</i> , 2020, 31, 107611.   | 6.4  | 64        |
| 16 | The Pathognomonic FOXL2 C134W Mutation Alters DNA-Binding Specificity. <i>Cancer Research</i> , 2020, 80, 3480-3491.  | 0.9  | 19        |
| 17 | Complementary Methods for de Novo Monoclonal Antibody Sequencing to Achieve Complete Sequence Coverage. <i>Journal of Proteome Research</i> , 2020, 19, 2700-2707.  | 3.7  | 12        |
| 18 | Re-expression of SMARCA4/BRG1 in small cell carcinoma of ovary, hypercalcemic type (SCCOHT) promotes an epithelial-like gene signature through an AP-1-dependent mechanism. <i>ELife</i> , 2020, 9, .   | 6.0  | 19        |

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|----|--|------|-----------|
| 19 | The interaction between SPARC and GRP78 interferes with ER stress signaling and potentiates apoptosis via PERK/eIF2 $\gamma$ and IRE1 $\alpha$ /XBP-1 in colorectal cancer. <i>Cell Death and Disease</i> , 2019, 10, 504.                             | 6.3  | 61        |
| 20 | Response to Comment on "PP2A inhibition sensitizes cancer stem cells to ABL tyrosine kinase inhibitors in BCR-ABL human leukemia". <i>Science Translational Medicine</i> , 2019, 11, .   | 12.4 | 3         |
| 21 | The FUS-DDIT3 Interactome in Myxoid Liposarcoma. <i>Neoplasia</i> , 2019, 21, 740-751.   | 5.3  | 26        |
| 22 | A Standardized and Reproducible Proteomics Protocol for Bottom-Up Quantitative Analysis of Protein Samples Using SP3 and Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2019, 1959, 65-87.   | 0.9  | 25        |
| 23 | BAP1 haploinsufficiency predicts a distinct immunogenic class of malignant peritoneal mesothelioma. <i>Genome Medicine</i> , 2019, 11, 8.  | 8.2  | 88        |
| 24 | Class I HDAC inhibitors enhance YB acetylation and oxidative stress to block sarcoma metastasis. <i>EMBO Reports</i> , 2019, 20, e48375.   | 4.5  | 78        |
| 25 | RawTools: Rapid and Dynamic Interrogation of Orbitrap Data Files for Mass Spectrometer System Management. <i>Journal of Proteome Research</i> , 2019, 18, 700-708.   | 3.7  | 20        |
| 26 | Single-pot, solid-phase-enhanced sample preparation for proteomics experiments. <i>Nature Protocols</i> , 2019, 14, 68-85.   | 12.0 | 802       |
| 27 | The SNAP25 Interactome in Ventromedial Caudate in Schizophrenia Includes the Mitochondrial Protein ARF1. <i>Neuroscience</i> , 2019, 420, 97-111.  | 2.3  | 10        |
| 28 | Molecular characterization of ERBB2-amplified colorectal cancer identifies potential mechanisms of resistance to targeted therapies: a report of two instructive cases. <i>Journal of Physical Education and Sports Management</i> , 2018, 4, a002535. | 1.2  | 16        |
| 29 | Parsing and Quantification of Raw Orbitrap Mass Spectrometer Data Using RawQuant. <i>Journal of Proteome Research</i> , 2018, 17, 2237-2247.   | 3.7  | 10        |
| 30 | PP2A inhibition sensitizes cancer stem cells to ABL tyrosine kinase inhibitors in BCR-ABL human leukemia. <i>Science Translational Medicine</i> , 2018, 10, .  | 12.4 | 37        |
| 31 | Extending the Compatibility of the SP3 Paramagnetic Bead Processing Approach for Proteomics. <i>Journal of Proteome Research</i> , 2018, 17, 1730-1740.  | 3.7  | 186       |
| 32 | Using Public Data for Comparative Proteome Analysis in Precision Medicine Programs. <i>Proteomics - Clinical Applications</i> , 2018, 12, 1600179.   | 1.6  | 2         |
| 33 | Histone Deacetylase Inhibitors Synergize with Catalytic Inhibitors of EZH2 to Exhibit Antitumor Activity in Small Cell Carcinoma of the Ovary, Hypercalcemic Type. <i>Molecular Cancer Therapeutics</i> , 2018, 17, 2767-2779.                         | 4.1  | 50        |
| 34 | Genome-wide discovery of somatic regulatory variants in diffuse large B-cell lymphoma. <i>Nature Communications</i> , 2018, 9, 4001.   | 12.8 | 102       |
| 35 | Discovery of 3-Benzyl-1-(trans-4-((5-cyanopyridin-2-yl)amino)cyclohexyl)-1-aryleurea Derivatives as Novel and Selective Cyclin-Dependent Kinase 12 (CDK12) Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 7710-7728.                    | 6.4  | 38        |
| 36 | Investigating Acquisition Performance on the Orbitrap Fusion When Using Tandem MS/MS/MS Scanning with Isobaric Tags. <i>Journal of Proteome Research</i> , 2017, 16, 1839-1846.  | 3.7  | 20        |

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|----|---|------|-----------|
| 37 | Evaluating the Characteristics of Reporter Ion Signal Acquired in the Orbitrap Analyzer for Isobaric Mass Tag Proteome Quantification Experiments. <i>Journal of Proteome Research</i> , 2017, 16, 1831-1838. | 3.7  | 8         |
| 38 | The histone methyltransferase <sc>EZH2</sc> is a therapeutic target in small cell carcinoma of the ovary, hypercalcaemic type. <i>Journal of Pathology</i> , 2017, 242, 371-383.                              | 4.5  | 78        |
| 39 | CDK12 regulates alternative last exon mRNA splicing and promotes breast cancer cell invasion. <i>Nucleic Acids Research</i> , 2017, 45, 6698-6716.  | 14.5 | 114       |
| 40 | CLK-dependent exon recognition and conjoined gene formation revealed with a novel small molecule inhibitor. <i>Nature Communications</i> , 2017, 8, 7.  | 12.8 | 108       |
| 41 | Selective aggregation of the splicing factor Hsh155 suppresses splicing upon genotoxic stress. <i>Journal of Cell Biology</i> , 2017, 216, 4027-4040.   | 5.2  | 10        |
| 42 | Hsp83 loss suppresses proteasomal activity resulting in an upregulation of caspase-dependent compensatory autophagy. <i>Autophagy</i> , 2017, 13, 1573-1589.  | 9.1  | 12        |
| 43 | Quantitative Profiling of Single Formalin Fixed Tumour Sections: proteomics for translational research. <i>Scientific Reports</i> , 2016, 6, 34949.   | 3.3  | 100       |
| 44 | Quantitative mass spectrometry reveals changes in SNAP-25 isoforms in schizophrenia. <i>Schizophrenia Research</i> , 2016, 177, 44-51.  | 2.0  | 17        |
| 45 | Structures of the CDK12/CycK complex with AMP-PNP reveal a flexible C-terminal kinase extension important for ATP binding. <i>Scientific Reports</i> , 2015, 5, 17122.  | 3.3  | 30        |
| 46 | Recurrent <i><sc>DICER1</sc></i> hotspot mutations in endometrial tumours and their impact on <sc>microRNA</sc> biogenesis. <i>Journal of Pathology</i> , 2015, 237, 215-225.                                 | 4.5  | 38        |
| 47 | The <i>Drosophila</i> TIPE family member Sigmar interacts with the Ste20-like kinase Misshapen and modulates JNK signaling, cytoskeletal remodeling and autophagy. <i>Biology Open</i> , 2015, 4, 672-684.    | 1.2  | 10        |
| 48 | Activation of an endogenous retrovirus-associated long non-coding RNA in human adenocarcinoma. <i>Genome Medicine</i> , 2015, 7, 22.  | 8.2  | 45        |
| 49 | MEF2B mutations in non-Hodgkin lymphoma dysregulate cell migration by decreasing MEF2B target gene activation. <i>Nature Communications</i> , 2015, 6, 7953.  | 12.8 | 50        |
| 50 | The Oncogenic Roles of DICER1 RNase IIIb Domain Mutations in Ovarian Sertoli-Leydig Cell Tumors. <i>Neoplasia</i> , 2015, 17, 650-660.  | 5.3  | 59        |
| 51 | The 3' Overhangs at Tetrahymena thermophila Telomeres Are Packaged by Four Proteins, Pot1a, Tpt1, Pat1, and Pat2. <i>Eukaryotic Cell</i> , 2014, 13, 240-245.   | 3.4  | 9         |
| 52 | The <i>Drosophila</i> effector caspase Dcp-1 regulates mitochondrial dynamics and autophagic flux via SesB. <i>Journal of Cell Biology</i> , 2014, 205, 477-492.  | 5.2  | 43        |
| 53 | A transgenic mouse model demonstrating the oncogenic role of mutations in the polycomb-group gene EZH2 in lymphomagenesis. <i>Blood</i> , 2014, 123, 3914-3924.   | 1.4  | 69        |
| 54 | Mutations in CIC and IDH1 cooperatively regulate 2-hydroxyglutarate levels and cell clonogenicity. <i>Oncotarget</i> , 2014, 5, 7960-7979.  | 1.8  | 35        |

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| 55 | Novel mRNA isoforms and mutations of uridine monophosphate synthetase and 5-fluorouracil resistance in colorectal cancer. <i>Pharmacogenomics Journal</i> , 2013, 13, 148-158.   | 2.0  | 29        |
| 56 | Cancer-associated somatic <i>DICER1</i> hotspot mutations cause defective miRNA processing and reverse strand expression bias to predominantly mature 3p strands through loss of 5p strand cleavage. <i>Journal of Pathology</i> , 2013, 229, 400-409. | 4.5  | 135       |
| 57 | Interaction of Cyclin-Dependent Kinase 12/CrkRS with Cyclin K1 Is Required for the Phosphorylation of the C-Terminal Domain of RNA Polymerase II. <i>Molecular and Cellular Biology</i> , 2012, 32, 4691-4704.   | 2.3  | 93        |
| 58 | Recurrent Somatic <i>DICER1</i> Mutations in Nonepithelial Ovarian Cancers. <i>New England Journal of Medicine</i> , 2012, 366, 234-242.   | 27.0 | 401       |
| 59 | A tripartite complex composed of ETV6-NTRK3, IRS1 and IGF1R is required for ETV6-NTRK3-mediated membrane localization and transformation. <i>Oncogene</i> , 2012, 31, 1334-1340.   | 5.9  | 19        |
| 60 | The Mammalian Proteins MMS19, MIP18, and ANT2 Are Involved in Cytoplasmic Iron-Sulfur Cluster Protein Assembly. <i>Journal of Biological Chemistry</i> , 2012, 287, 43351-43358.   | 3.4  | 39        |
| 61 | Concurrent <i>CIC</i> mutations, <i>IDH</i> mutations, and 1p/19q loss distinguish oligodendrogliomas from other cancers. <i>Journal of Pathology</i> , 2012, 226, 7-16.   | 4.5  | 272       |
| 62 | Molecular and structural characterization of the SH3 domain of <i>AHL1</i> in regulation of cellular resistance of <i>BCR-ABL</i> chronic myeloid leukemia cells to tyrosine kinase inhibitors. <i>Proteomics</i> , 2012, 12, 2094-2106.               | 2.2  | 8         |
| 63 | The clonal and mutational evolution spectrum of primary triple-negative breast cancers. <i>Nature</i> , 2012, 486, 395-399.  | 27.8 | 1,778     |
| 64 | Somatic mutations at EZH2 Y641 act dominantly through a mechanism of selectively altered PRC2 catalytic activity, to increase H3K27 trimethylation. <i>Blood</i> , 2011, 117, 2451-2459.   | 1.4  | 556       |
| 65 | Subtype-specific mutation of <i>PPP2R1A</i> in endometrial and ovarian carcinomas. <i>Journal of Pathology</i> , 2011, 223, 567-573.   | 4.5  | 114       |
| 66 | The Pot1a-associated proteins Tpt1 and Pat1 coordinate telomere protection and length regulation in <i>Tetrahymena</i> . <i>Molecular Biology of the Cell</i> , 2011, 22, 4161-4170.   | 2.1  | 21        |
| 67 | Mutated EZH2 Collaborates with Myc in Inducing Lymphoma in a Mouse Model. <i>Blood</i> , 2011, 118, 227-227.   | 1.4  | 3         |
| 68 | Cytosolic protein interactions of the schizophrenia susceptibility gene dysbindin. <i>Journal of Neurochemistry</i> , 2010, 113, 1491-1503.  | 3.9  | 33        |
| 69 | Alternative expression analysis by RNA sequencing. <i>Nature Methods</i> , 2010, 7, 843-847.   | 19.0 | 283       |
| 70 | <i>ARID1A</i> Mutations in Endometriosis-Associated Ovarian Carcinomas. <i>New England Journal of Medicine</i> , 2010, 363, 1532-1543.   | 27.0 | 1,460     |
| 71 | ALEXA: a microarray design platform for alternative expression analysis. <i>Nature Methods</i> , 2008, 5, 118-118.   | 19.0 | 19        |
| 72 | Large-scale mapping of human protein-protein interactions by mass spectrometry. <i>Molecular Systems Biology</i> , 2007, 3, 89.  | 7.2  | 850       |

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|----|--|------|-----------|
| 73 | Modification of the Creator recombination system for proteomics applications--improved expression by addition of splice sites. <i>BMC Biotechnology</i> , 2006, 6, 13.               | 3.3  | 41        |
| 74 | Effect of TERT over-expression on the long-term transplantation capacity of hematopoietic stem cells. <i>Nature Medicine</i> , 2003, 9, 369-371.                                     | 30.7 | 149       |
| 75 | Telomerase is required to slow telomere shortening and extend replicative lifespan of HSCs during serial transplantation. <i>Blood</i> , 2003, 102, 517-520.                         | 1.4  | 294       |
| 76 | TANK2, a New TRF1-associated Poly(ADP-ribose) Polymerase, Causes Rapid Induction of Cell Death upon Overexpression. <i>Journal of Biological Chemistry</i> , 2001, 276, 35891-35899. | 3.4  | 188       |
| 77 | Telomerase reverse transcriptase gene is a direct target of c-Myc but is not functionally equivalent in cellular transformation. <i>Oncogene</i> , 1999, 18, 1219-1226.              | 5.9  | 368       |
| 78 | Functional requirement of p23 and Hsp90 in telomerase complexes. <i>Genes and Development</i> , 1999, 13, 817-826.   | 5.9  | 475       |
| 79 | Extension of Life-Span by Introduction of Telomerase into Normal Human Cells. <i>Science</i> , 1998, 279, 349-352.   | 12.6 | 4,536     |
| 80 | Expression of mouse telomerase reverse transcriptase during development, differentiation and proliferation. <i>Oncogene</i> , 1998, 16, 1723-1730.                                   | 5.9  | 307       |
| 81 | The implications of telomerase biochemistry for human disease. <i>European Journal of Cancer</i> , 1997, 33, 750-760.  | 2.8  | 24        |
| 82 | Telomerase Catalytic Subunit Homologs from Fission Yeast and Human. <i>Science</i> , 1997, 277, 955-959.   | 12.6 | 2,188     |
| 83 | Reconstitution of human telomerase with the template RNA component hTR and the catalytic protein subunit hTERT. <i>Nature Genetics</i> , 1997, 17, 498-502.                          | 21.4 | 881       |
| 84 | Telomere control of replicative lifespan. <i>Experimental Gerontology</i> , 1997, 32, 375-382.   | 2.8  | 30        |
| 85 | Recognition of a chromosome truncation site associated with $\beta$ -thalassaemia by human telomerase. <i>Nature</i> , 1991, 353, 454-456.   | 27.8 | 215       |
| 86 | ATetrahymenaintron nucleotide connected to the GTP/arginine site. <i>Nucleic Acids Research</i> , 1989, 17, 6969-6981.   | 14.5 | 11        |
| 87 | The human telomere terminal transferase enzyme is a ribonucleoprotein that synthesizes TTAGGG repeats. <i>Cell</i> , 1989, 59, 521-529.  | 28.9 | 1,466     |
| 88 | Mitochondrial telomeres: Surprising diversity of repeated telomeric DNA sequences among six species of Tetrahymena. <i>Cell</i> , 1988, 52, 367-374.                                 | 28.9 | 83        |
| 89 | Phylogenetic relationships and altered genome structures among Tetrahymenamitochondrial DNAs. <i>Nucleic Acids Research</i> , 1988, 16, 327-346.                                     | 14.5 | 52        |
| 90 | The telomeres of the linear mitochondrial DNA of tetrahymena thermophila consist of 53 bp tandem repeats. <i>Cell</i> , 1986, 46, 873-883.   | 28.9 | 79        |

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|----|---|------|-----------|
| 91 | Syn and anti stereochemistry in elimination reactions producing acyclic conjugated thioesters.<br>Journal of the American Chemical Society, 1983, 105, 5150-5151. | 13.7 | 8         |