Brian P Rubin

List of Publications by Citations

130 papers	12,085 citations	43 h-index	109 g-index
139 ext. papers	13,795 ext. citations	8.7 avg, IF	5.67 L-index

#	Paper	IF	Citations
130	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
129	Diagnosis of gastrointestinal stromal tumors: A consensus approach. *Human Pathology*, **2002**, 33, 459-65	3.7	2482
128	The novel marker, DOG1, is expressed ubiquitously in gastrointestinal stromal tumors irrespective of KIT or PDGFRA mutation status. *American Journal of Pathology*, **2004**, 165, 107-13	5.8	505
127	Gastrointestinal stromal tumour. *Lancet, The*, **2007**, 369, 1731-41	40	466
126	Biology and genetic aspects of gastrointestinal stromal tumors: KIT activation and cytogenetic alterations. *Human Pathology*, **2002**, 33, 484-95	3.7	365
125	A landscape effect in tenosynovial giant-cell tumor from activation of CSF1 expression by a translocation in a minority of tumor cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 690-5	11.5	351
124	A novel monoclonal antibody against DOG1 is a sensitive and specific marker for gastrointestinal stromal tumors. *American Journal of Surgical Pathology*, **2008**, 32, 210-8	6.7	350
123	Molecular targeting of platelet-derived growth factor B by imatinib mesylate in a patient with metastatic dermatofibrosarcoma protuberans. *Journal of Clinical Oncology*, **2002**, 20, 3586-91	2.2	330
122	TLE1 as a diagnostic immunohistochemical marker for synovial sarcoma emerging from gene expression profiling studies. *American Journal of Surgical Pathology*, **2007**, 31, 240-6	6.7	276
121	Identification of a disease-defining gene fusion in epithelioid hemangioendothelioma. *Science Translational Medicine*, **2011**, 3, 98ra82	17.5	252
120	Identification of recurrent SMO and BRAF mutations in ameloblastomas. *Nature Genetics*, **2014**, 46, 722-5	36.3	202
119	Whole Slide Imaging Versus Microscopy for Primary Diagnosis in Surgical Pathology: A Multicenter Blinded Randomized Noninferiority Study of 1992 Cases (Pivotal Study). *American Journal of Surgical Pathology*, **2018**, 42, 39-52	6.7	189
118	Autophagy inhibition and antimalarials promote cell death in gastrointestinal stromal tumor (GIST). *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 14333-8	11.5	165
117	The histone H3.3K36M mutation reprograms the epigenome of chondroblastomas. *Science*, **2016**, 352, 1344-8	33.3	151
116	Hotspot activating PRKD1 somatic mutations in polymorphous low-grade adenocarcinomas of the salivary glands. *Nature Genetics*, **2014**, 46, 1166-9	36.3	150
115	Evidence for an unanticipated relationship between undifferentiated pleomorphic sarcoma and embryonal rhabdomyosarcoma. *Cancer Cell*, **2011**, 19, 177-91	24.3	142
114	NSD3-NUT fusion oncoprotein in NUT midline carcinoma: implications for a novel oncogenic mechanism. *Cancer Discovery*, **2014**, 4, 928-41	24.4	141

113	Loss of H3K27 tri-methylation is a diagnostic marker for malignant peripheral nerve sheath tumors and an indicator for an inferior survival. *Modern Pathology*, **2016**, 29, 582-90	9.8	120
112	A knock-in mouse model of gastrointestinal stromal tumor harboring kit K641E. *Cancer Research*, **2005**, 65, 6631-9	10.1	119
111	Individualizing Risk Prediction for Positive Coronavirus Disease 2019 Testing: Results From 11,672 Patients. *Chest*, **2020**, 158, 1364-1375	5.3	99
110	Kitlow stem cells cause resistance to Kit/platelet-derived growth factor alpha inhibitors in murine gastrointestinal stromal tumors. *Gastroenterology*, **2010**, 139, 942-52	13.3	94
109	Renal Clearable Organic Nanocarriers for Bioimaging and Drug Delivery. *Advanced Materials*, **2016**, 28, 8162-8168	24	90
108	Functional Enhancers Shape Extrachromosomal Oncogene Amplifications. *Cell*, **2019**, 179, 1330-1341.e13	36.2	87
107	Recurrent hotspot mutations in HRAS Q61 and PI3K-AKT pathway genes as drivers of breast adenomyoepitheliomas. *Nature Communications*, **2018**, 9, 1816	17.4	82
106	Gastrointestinal stromal tumor: advances in diagnosis and management. *Archives of Pathology and Laboratory Medicine*, **2011**, 135, 1298-310	5	76
105	Positively selected enhancer elements endow osteosarcoma cells with metastatic competence. *Nature Medicine*, **2018**, 24, 176-185	50.5	72
104	Uterine adenosarcomas are mesenchymal neoplasms. *Journal of Pathology*, **2016**, 238, 381-8	9.4	70
103	Credentialing a preclinical mouse model of alveolar rhabdomyosarcoma. *Cancer Research*, **2009**, 69, 2902-11	10.1	68
102	Mechanisms of resistance to small molecule kinase inhibition in the treatment of solid tumors. *Laboratory Investigation*, **2006**, 86, 981-6	5.9	66
101	Crosstalk between KIT and FGFR3 Promotes Gastrointestinal Stromal Tumor Cell Growth and Drug Resistance. *Cancer Research*, **2015**, 75, 880-91	10.1	64
100	Lineage of origin in rhabdomyosarcoma informs pharmacological response. *Genes and Development* , **2014**, 28, 1578-91	12.6	64
99	Complementary activity of tyrosine kinase inhibitors against secondary kit mutations in imatinib-resistant gastrointestinal stromal tumours. *British Journal of Cancer*, **2019**, 120, 612-620	8.7	62
98	Diagnosis of known sarcoma fusions and novel fusion partners by targeted RNA sequencing with identification of a recurrent ACTB-FOSB fusion in pseudomyogenic hemangioendothelioma. *Modern Pathology*, **2019**, 32, 609-620	9.8	61
97	Loss-of-function mutations in ATP6AP1 and ATP6AP2 in granular cell tumors. *Nature Communications*, **2018**, 9, 3533	17.4	60
96	A Direct Comparison of Enhanced Saliva to Nasopharyngeal Swab for the Detection of SARS-CoV-2 in Symptomatic Patients. *Journal of Clinical Microbiology*, **2020**, 58,	9.7	59

95	Cytologic diagnosis of gastrointestinal stromal tumor with emphasis on the differential diagnosis with leiomyosarcoma. *Cancer*, **2001**, 93, 276-87	6.4	57
94	CIC-DUX sarcomas demonstrate frequent MYC amplification and ETS-family transcription factor expression. *Modern Pathology*, **2015**, 28, 57-68	9.8	52
93	A metabolic synthetic lethal strategy with arginine deprivation and chloroquine leads to cell death in ASS1-deficient sarcomas. *Cell Death and Disease*, **2016**, 7, e2406	9.8	50
92	Platelet-Derived Growth Factor Receptor-Regulates Proliferation of Gastrointestinal Stromal Tumor Cells With Mutations in KIT by Stabilizing ETV1. *Gastroenterology*, **2015**, 149, 420-32.e16	13.3	48
91	NAB2-STAT6 Gene Fusion in Meningeal Hemangiopericytoma and Solitary Fibrous Tumor. *Journal of Neuropathology and Experimental Neurology*, **2016**, 75, 263-71	3.1	48
90	Protocol for the examination of specimens from patients with gastrointestinal stromal tumor. *Archives of Pathology and Laboratory Medicine*, **2010**, 134, 165-70	5	47
89	Molecular characterization of epithelioid haemangioendotheliomas identifies novel WWTR1-CAMTA1 fusion variants. *Histopathology*, **2015**, 67, 699-708	7.3	46
88	Evasion mechanisms to Igf1r inhibition in rhabdomyosarcoma. *Molecular Cancer Therapeutics*, **2011**, 10, 697-707	6.1	46
87	Hyperglycemia Increases Interstitial Cells of Cajal via MAPK1 and MAPK3 Signaling to ETV1 and KIT, Leading to Rapid Gastric Emptying. *Gastroenterology*, **2017**, 153, 521-535.e20	13.3	42
86	Tenosynovial giant cell tumor and pigmented villonodular synovitis: a proposal for unification of these clinically distinct but histologically and genetically identical lesions. *Skeletal Radiology*, **2007**, 36, 267-8	2.7	37
85	Spindle cell/pleomorphic lipomas of the face: an under-recognized diagnosis. *Histopathology*, **2015**, 66, 430-7	7.3	30
84	Protocol for the examination of specimens from patients with soft tissue tumors of intermediate malignant potential, malignant soft tissue tumors, and benign/locally aggressive and malignant bone tumors. *Archives of Pathology and Laboratory Medicine*, **2006**, 130, 1616-29	5	30
83	Low-fat and fat-free pleomorphic lipomas: a diagnostic challenge. *American Journal of Dermatopathology*, **2009**, 31, 423-6	0.9	29
82	Protocol for the examination of specimens from patients with tumors of soft tissue. *Archives of Pathology and Laboratory Medicine*, **2010**, 134, e31-9	5	28
81	Inactivation of Patched1 in mice leads to development of gastrointestinal stromal-like tumors that express Pdgfrbut not kit. *Gastroenterology*, **2013**, 144, 134-144.e6	13.3	27
80	Genotyping and immunohistochemistry of gastrointestinal stromal tumors: An update. *Seminars in Diagnostic Pathology*, **2015**, 32, 392-9	4.3	27
79	Protocol for the examination of specimens from patients with tumors of bone. *Archives of Pathology and Laboratory Medicine*, **2010**, 134, e1-7	5	27
78	Cell-cycle dependent expression of a translocation-mediated fusion oncogene mediates checkpoint adaptation in rhabdomyosarcoma. *PLoS Genetics*, **2014**, 10, e1004107	6	26

77	Are acinic cell carcinomas of the breast and salivary glands distinct diseases?. *Histopathology*, **2015**, 67, 529-37	7.3	25
76	Superficial Solitary Fibrous Tumor: A Series of 26 Cases. *American Journal of Surgical Pathology*, **2018**, 42, 778-785	6.7	24
75	Desmoplastic Small Round Cell Tumors With Atypical Presentations: A Report of 34 Cases. *International Journal of Surgical Pathology*, **2019**, 27, 236-243	1.2	24
74	EWSR1-SMAD3-rearranged Fibroblastic Tumor: An Emerging Entity in an Increasingly More Complex Group of Fibroblastic/Myofibroblastic Neoplasms. *American Journal of Surgical Pathology*, **2018**, 42, 1325-1333	6.7	23
73	Genetics of Gastrointestinal Stromal Tumors: A Heterogeneous Family of Tumors?. *Surgical Pathology Clinics*, **2015**, 8, 515-24	3.9	21
72	Lack of PRKD2 and PRKD3 kinase domain somatic mutations in PRKD1 wild-type classic polymorphous low-grade adenocarcinomas of the salivary gland. *Histopathology*, **2016**, 68, 1055-62	7.3	21
71	Angiosarcoma arising in association with vascular Dacron grafts and orthopedic joint prostheses: clinicopathologic, immunohistochemical, and molecular study. *Annals of Diagnostic Pathology*, **2016**, 21, 21-8	2.2	20
70	Composite hemangioendothelioma with neuroendocrine marker expression: an aggressive variant. *Modern Pathology*, **2017**, 30, 1589-1602	9.8	19
69	Therapeutic implications of autophagy-mediated cell survival in gastrointestinal stromal tumor after treatment with imatinib mesylate. *Autophagy*, **2010**, 6, 1190-1	10.2	19
68	An unusual case of Erdheim-Chester disease with features of Langerhans cell histiocytosis. *Skeletal Radiology*, **2007**, 36, 885-9	2.7	19
67	PAX8-GLIS3 gene fusion is a pathognomonic genetic alteration of hyalinizing trabecular tumors of the thyroid. *Modern Pathology*, **2019**, 32, 1734-1743	9.8	18
66	Ossifying fibromyxoid tumor: a clinicopathologic analysis of 26 subcutaneous tumors with emphasis on differential diagnosis and prognostic factors. *Journal of Cutaneous Pathology*, **2015**, 42, 622-31	1.7	18
65	Apoptosis-associated tyrosine kinase 1 inhibits growth and migration and promotes apoptosis in melanoma. *Laboratory Investigation*, **2014**, 94, 430-8	5.9	18
64	Genomic profiling of primary and recurrent adult granulosa cell tumors of the ovary. *Modern Pathology*, **2020**, 33, 1606-1617	9.8	17
63	Ex vivo screen identifies CDK12 as a metastatic vulnerability in osteosarcoma. *Journal of Clinical Investigation*, **2019**, 129, 4377-4392	15.9	17
62	Assessment of and rearrangements in breast adenomyoepitheliomas. *Npj Breast Cancer*, **2019**, 5, 6	7.8	15
61	IGF1R as a Key Target in High Risk, Metastatic Medulloblastoma. *Scientific Reports*, **2016**, 6, 27012	4.9	15
60	Superficial sarcomas with CIC rearrangement are aggressive neoplasms: A series of eight cases. *Journal of Cutaneous Pathology*, **2020**, 47, 509-516	1.7	13

59	The phosphatidyl inositol 3-kinase pathway is central to the pathogenesis of Kit-activated melanoma. *Pigment Cell and Melanoma Research*, **2011**, 24, 714-23	4.5	13
58	MicroCT-based virtual histology evaluation of preclinical medulloblastoma. *Molecular Imaging and Biology*, **2011**, 13, 493-499	3.8	13
57	Immunohistochemical assessment of HRAS Q61R mutations in breast adenomyoepitheliomas. *Histopathology*, **2020**, 76, 865-874	7.3	13
56	Genomic Epidemiology of SARS-CoV-2 Infection During the Initial Pandemic Wave and Association With Disease Severity. *JAMA Network Open*, **2021**, 4, e217746	10.4	13
55	Renal Clearable Theranostic Nanoplatforms for Gastrointestinal Stromal Tumors. *Advanced Materials*, **2020**, 32, e1905899	24	12
54	Protein-Protein Interaction Disruptors of the YAP/TAZ-TEAD Transcriptional Complex. *Molecules*, **2020**, 25,	4.8	12
53	The Molecular Diagnostics of Vascular Neoplasms. *Surgical Pathology Clinics*, **2019**, 12, 35-49	3.9	12
52	Genomic aberrations in cell cycle genes predict progression of -mutant gastrointestinal stromal tumors (GISTs). *Clinical Sarcoma Research*, **2019**, 9, 3	2.5	11
51	Inflammatory leiomyosarcoma shows frequent co-expression of smooth and skeletal muscle markers supporting a primitive myogenic phenotype: a report of 9 cases with a proposal for reclassification as low-grade inflammatory myogenic tumor. *Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin*, **2020**, 477, 219-230	5.1	11
50	Chromosome-associated protein D3 promotes bacterial clearance in human intestinal epithelial cells by repressing expression of amino acid transporters. *Gastroenterology*, **2015**, 148, 1405-1416.e3	13.3	11
49	(TAZ)- gene fusion is sufficient to dysregulate YAP/TAZ signaling and drive epithelioid hemangioendothelioma tumorigenesis. *Genes and Development*, **2021**, 35, 512-527	12.6	11
48	Endemic SARS-CoV-2 Polymorphisms Can Cause a Higher Diagnostic Target Failure Rate than Estimated by Aggregate Global Sequencing Data. *Journal of Clinical Microbiology*, **2021**, 59, e0091321	9.7	9
47	Genetic and molecular reappraisal of spindle cell adamantinoma of bone reveals a small subset of misclassified intraosseous synovial sarcoma. *Modern Pathology*, **2019**, 32, 231-241	9.8	9
46	Adult Primary Bone Sarcoma and Time to Treatment Initiation: An Analysis of the National Cancer Database. *Sarcoma*, **2018**, 2018, 1728302	3.1	9
45	Utility of BRAF V600E mutation-specific immunohistochemistry in detecting BRAF V600E-mutated gastrointestinal stromal tumors. *American Journal of Clinical Pathology*, **2015**, 144, 782-9	1.9	8
44	Early Outcomes of Preoperative 5-Fraction Radiation Therapy for Soft Tissue Sarcoma Followed by Immediate Surgical Resection. *Advances in Radiation Oncology*, **2020**, 5, 1274-1279	3.3	8
43	Mediastinal Epithelioid Hemangioendothelioma. *American Journal of Respiratory and Critical Care Medicine*, **2016**, 193, e7-8	10.2	8
42	Adult soft tissue sarcoma and time to treatment initiation: An analysis of the National Cancer Database. *Journal of Surgical Oncology*, **2018**, 117, 1776-1785	2.8	8

41	Imaging features of mammary-type myofibroblastoma of soft tissue: a case series with literature review. *Skeletal Radiology*, **2017**, 46, 1283-1291	2.7	8
40	Rb1 loss modifies but does not initiate alveolar rhabdomyosarcoma. *Skeletal Muscle*, **2013**, 3, 27	5.1	7
39	Pathology of soft tissue sarcoma. *Journal of the National Comprehensive Cancer Network: JNCCN*, **2007**, 5, 411-8	7.3	7
38	A smooth muscle-derived, Braf-driven mouse model of gastrointestinal stromal tumor (GIST): evidence for an alternative GIST cell-of-origin. *Journal of Pathology*, **2020**, 252, 441-450	9.4	7
37	EWSR1-PATZ1-rearranged sarcoma: a report of nine cases of spindle and round cell neoplasms with predilection for thoracoabdominal soft tissues and frequent expression of neural and skeletal muscle markers. *Modern Pathology*, **2021**, 34, 770-785	9.8	7
36	Genetic analysis of uterine adenosarcomas and phyllodes tumors of the breast. *Molecular Oncology*, **2017**, 11, 913-926	7.9	6
35	Liver metastasis of meningeal hemangiopericytoma: a study of 5 cases. *Clinical and Molecular Hepatology*, **2016**, 22, 188-91	6.9	6
34	Superficial ALK-rearranged myxoid spindle cell neoplasm: a cutaneous soft tissue tumor with distinctive morphology and immunophenotypic profile. *Modern Pathology*, **2021**, 34, 1710-1718	9.8	5
33	Angiogenic factor AGGF1 acts as a tumor suppressor by modulating p53 post-transcriptional modifications and stability via MDM2. *Cancer Letters*, **2021**, 497, 28-40	9.9	5
32	Gene Fusion Identification Using Anchor-Based Multiplex PCR and Next-Generation Sequencing. *journal of applied laboratory medicine, The*, **2021**, 6, 917-930	2	5
31	Oncogenic properties and signaling basis of the PAX8-GLIS3 fusion gene. *International Journal of Cancer*, **2020**, 147, 2253-2264	7.5	4
30	Myxoinflammatory fibroblastic sarcoma: an immunohistochemical and molecular genetic study of 73 cases. *Modern Pathology*, **2020**, 33, 2520-2533	9.8	4
29	The Long Noncoding RNA Promotes Sarcoma Metastasis by Regulating RNA Splicing Pathways. *Molecular Cancer Research*, **2020**, 18, 1534-1544	6.6	4
28	Secreted meningeal chemokines, but not VEGFA, modulate the migratory properties of medulloblastoma cells. *Biochemical and Biophysical Research Communications*, **2014**, 450, 555-60	3.4	4
27	Subpubic cyst. *Skeletal Radiology*, **2012**, 41, 867-868	2.7	4
26	A Case of Undifferentiated Sarcoma in the Superior Vena Cava and Bilateral Cervical Veins. *American Journal of Case Reports*, **2018**, 19, 1507-1514	1.3	4
25	Malignant solitary fibrous tumour of the prostate: four cases emphasising significant histological and immunophenotypical overlap with sarcomatoid carcinoma. *Pathology*, **2020**, 52, 643-648	1.6	4
24	Does PET/CT Aid in Detecting Primary Carcinoma in Patients with Skeletal Metastases of Unknown Primary?. *Clinical Orthopaedics and Related Research*, **2020**, 478, 2451-2457	2.2	4

23	Design, Synthesis and Evaluation of a Series of 1,5-Diaryl-1,2,3-triazole-4-carbohydrazones as Inhibitors of the YAP-TAZ/TEAD Complex. *ChemMedChem*, **2021**, 16, 2823-2844	3.7	4
22	PRRX1-NCOA1-rearranged fibroblastic tumour: a clinicopathological, immunohistochemical and molecular genetic study of six cases of a potentially under-recognised, distinctive mesenchymal tumour. *Histopathology*, **2021**, 79, 997-1003	7.3	4
21	Quantification of fat content in lipid-rich myxoid liposarcomas with MRI: a single-center experience with survival analysis. *Skeletal Radiology*, **2018**, 47, 1411-1417	2.7	3
20	NFB signaling in alveolar rhabdomyosarcoma. *DMM Disease Models and Mechanisms*, **2017**, 10, 1109-1115	4.1	3
19	Bioinformatic mining of gene expression datasets identifies ETV1 as a critical regulator of oncogenesis in gastrointestinal stromal tumors. *Cancer Cell*, **2010**, 18, 407-8	24.3	3
18	Diagnostic Utility of a Custom 34-Gene Anchored Multiplex PCR-Based Next-Generation Sequencing Fusion Panel for the Diagnosis of Bone and Soft Tissue Neoplasms With Identification of Novel USP6 Fusion Partners in Aneurysmal Bone Cysts. *Archives of Pathology and Laboratory Medicine*, **2021**, 145, 851-863	5	3
17	Inhibition of PI3K and MAPK pathways along with KIT inhibitors as a strategy to overcome drug resistance in gastrointestinal stromal tumors. *PLoS ONE*, **2021**, 16, e0252689	3.7	3
16	YAP1-TFE3 gene fusion variant in clear cell stromal tumour of lung: report of two cases in support of a distinct entity. *Histopathology*, **2021**, 79, 940-946	7.3	3
15	Machine learning for rhabdomyosarcoma histopathology.. *Modern Pathology*, **2022**,	9.8	3
14	Mesenchymal Tumors of the Gastrointestinal Tract **2019**, 459-498		2
13	Aortic Angiosarcoma in Association with Endovascular Aneurysm Repair: Case Report and Review of the Literature. *American Journal of Case Reports*, **2021**, 22, e931740	1.3	2
12	YAP1-TFE3-fused hemangioendothelioma: a multi-institutional clinicopathologic study of 24 genetically-confirmed cases. *Modern Pathology*, **2021**, 34, 2211-2221	9.8	2
11	Reply to Dr. Folpe's comments on the article "Tenosynovial giant cell tumor and pigmented villonodular synovitis: a proposal for unification of these clinically distinct but histologically and genetically identical lesions". *Skeletal Radiology*, **2007**, 36, 901-901	2.7	1
10	Mesenchymal Tumors of the Gastrointestinal Tract **2013**, 437-473		1
9	The role of molecular profiling in the diagnosis and management of metastatic undifferentiated cancer of unknown primary: Molecular profiling of metastatic cancer of unknown primary. *Seminars in Diagnostic Pathology*, **2021**, 38, 193-198	4.3	1
8	Differential expression of phospho-S6 in hair follicle tumors: Evidence of mammalian target of rapamycin pathway activation. *Journal of Cutaneous Pathology*, **2019**, 46, 256-260	1.7	1
7	Letter by Seavey and Rubin Regarding Article, "Sustained Activation of Endothelial YAP1 Causes Epithelioid Hemangioendothelioma". *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2021**, 41, e491-e492	8.4	0
6	Aurintricarboxylic acid is a canonical disruptor of the TAZ-TEAD transcriptional complex.. *PLoS ONE*, **2022**, 17, e0266143	3.7	0

5	Gastrointestinal Stromal Tumors **2017**, 470-492	
4	Stromal Tumours of the Stomach **2012**, 223-240	
3	Gastrointestinal Stromal Tumor **2010**, 158-163	
2	Synchronous Occurrence of Advanced Gastric Carcinoma with Retroperitoneal Liposarcoma: A Case Report.. *American Journal of Case Reports*, **2022**, 23, e934586	1.3
1	Ameloblastoma driver mutations revealed by next-generation sequencing of formalin-fixed paraffin-embedded specimens (1048.18). *FASEB Journal*, **2014**, 28, 1048.18	0.9