Brian G Gabrielli

List of Publications by Year
in descending order

119 papers	5,699 citations	66343 42 h-index	85541 71 g-index
122 all docs	122 docs citations	122 times ranked	8235 citing authors

#	Article	IF	Citations
1	ATM associates with and phosphorylates p53: mapping the region of interaction. Nature Genetics, 1998, 20, 398-400.	21.4	450
2	The miR-17-5p microRNA is a key regulator of the G1/S phase cell cycle transition. Genome Biology, 2008, 9, R127.	9.6	278
3	Cdk1/Erk2- and Plk1-Dependent Phosphorylation of a Centrosome Protein, Cep55, Is Required for Its Recruitment to Midbody and Cytokinesis. Developmental Cell, 2005, 9, 477-488.	7.0	273
4	Histone Deacetylase Inhibitors Trigger a G2 Checkpoint in Normal Cells That Is Defective in Tumor Cells. Molecular Biology of the Cell, 2000, 11, 2069-2083.	2.1	246
5	Evidence for label-retaining tumour-initiating cells in human glioblastoma. Brain, 2011, 134, 1331-1343.	7.6	151
6	APC mutation and tumour budding in colorectal cancer. Journal of Clinical Pathology, 2003, 56, 69-73.	2.0	137
7	Tumor cellâ€specific cytotoxicity by targeting cell cycle checkpoints. FASEB Journal, 2003, 17, 1-21.	0.5	132
8	Cyclin A/cdk2 coordinates centrosomal and nuclear mitotic events. Oncogene, 2008, 27, 4261-4268.	5.9	132
9	Histone deacetylase inhibitors specifically kill nonproliferating tumour cells. Oncogene, 2004, 23, 6693-6701.	5.9	129
10	Histone-Deacetylase Inhibitors for the Treatment of Cancer. Cell Cycle, 2004, 3, 777-786.	2.6	127
11	Centrosomal and Cytoplasmic Cdc2/Cyclin B1 Activation Precedes Nuclear Mitotic Events. Experimental Cell Research, 2000, 257, 11-21.	2.6	126
12	A stress-induced early innate response causes multidrug tolerance in melanoma. Oncogene, 2015, 34, 4448-4459.	5.9	125
13	Activation of p34cdc2 kinase by cyclin A.. Journal of Cell Biology, 1991, 113, 507-514.	5.2	122
14	MicroRNA-182-5p targets a network of genes involved in DNA repair. Rna, 2013, 19, 230-242.	3.5	108
15	RNA Interference against Human Papillomavirus Oncogenes in Cervical Cancer Cells Results in Increased Sensitivity to Cisplatin. Molecular Pharmacology, 2005, 68, 1311-1319.	2.3	104
16	Regulation of CDC25B phosphatases subcellular localization. Oncogene, 2000, 19, 2179-2185.	5.9	98
17	Cdc25B activity is regulated by 14-3-3. Oncogene, 2001, 20, 4393-4401.	5.9	96
18	Requirement for Cdk2 in cytostatic factor-mediated metaphase II arrest. Science, 1993, 259, 1766-1769.	12.6	93

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19	Hyperphosphorylation of the N-terminal Domain of Cdc25 Regulates Activity toward Cyclin B1/Cdc2 But Not Cyclin A/Cdk2. Journal of Biological Chemistry, 1997, 272, 28607-28614.	3.4	89
20	Cdc25-dependent activation of cyclin A/cdk2 is blocked in G2 phase arrested cells independently of ATM/ATR. Oncogene, 2001, 20, 921-932.	5.9	84
21	A potent Chk1 inhibitor is selectively cytotoxic in melanomas with high levels of replicative stress. Oncogene, 2013, 32, 788-796.	5.9	79
22	Increased expression of cyclin-dependent kinase inhibitor 2 (CDKN2A) gene product P16INK4A in ovarian cancer is associated with progression and unfavourable prognosis. International Journal of Cancer, 1997, 74, 57-63.	5.1	78
23	Histone deacetylase inhibitors induce mitotic slippage. Oncogene, 2008, 27, 1345-1354.	5.9	78
24	14-3-3 Acts as an Intramolecular Bridge to Regulate cdc25B Localization and Activity. Journal of Biological Chemistry, 2003, 278, 28580-28587.	3.4	69
25	G2 phase cell cycle arrest in human skin following UV irradiation. Oncogene, 2001, 20, 6103-6110.	5.9	68
26	Phenotypic Characterization of Nevus and Tumor Patterns in MITF E318K Mutation Carrier Melanoma Patients. Journal of Investigative Dermatology, 2014, 134, 141-149.	0.7	68
27	Reduced expression of retinoblastoma gene product (pRB) and high expression of p53 are associated with poor prognosis in ovarian cancer. , 1997, 74, 407-415.		62
28	A Cyclin D-Cdk4 Activity Required for G2 Phase Cell Cycle Progression Is Inhibited in Ultraviolet Radiation-induced G2 Phase Delay. Journal of Biological Chemistry, 1999, 274, 13961-13969.	3.4	62
29	Ultraviolet light-induced G2 phase cell cycle checkpoint blocks cdc25-dependent progression into mitosis. Oncogene, 1997, 15, 749-758.	5.9	61
30	Multiple Splicing Variants of cdc25B Regulate G2/M Progression. Biochemical and Biophysical Research Communications, 1999, 260, 510-515.	2.1	61
31	Loss of p16 expression is associated with histological features of melanoma invasion. Melanoma Research, 2002, 12, 539-547.	1.2	59
32	<scp>CEP</scp> 55 is a determinant of cell fate during perturbed mitosis in breast cancer. EMBO Molecular Medicine, 2018, 10, .	6.9	59
33	Histone Hyperacetylation Induced by Histone Deacetylase Inhibitors Is Not Sufficient to Cause Growth Inhibition in Human Dermal Fibroblasts. Journal of Biological Chemistry, 2001, 276, 22491-22499.	3.4	58
34	Defective Cell Cycle Checkpoints as Targets for Anti-Cancer Therapies. Frontiers in Pharmacology, 2012, 3, 9.	3.5	58
35	Senescent human hepatocytes express a unique secretory phenotype and promote macrophage migration. World Journal of Gastroenterology, 2014, 20, 17851-17862.	3.3	57
36	The EBNA- 3 gene family proteins disrupt the G2/M checkpoint. Oncogene, 2004, 23, 1342-1353.	5.9	56

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37	Cell Cycle Phase-Specific Drug Resistance as an Escape Mechanism of Melanoma Cells. Journal of Investigative Dermatology, 2016, 136, 1479-1489.	0.7	56
38	Cyclin A/Cdk2 regulates Cdh1 and claspin during late S/G2 phase of the cell cycle. Cell Cycle, 2014, 13, 3302-3311.	2.6	54
39	Distinct histone modifications denote early stress-induced drug tolerance in cancer. Oncotarget, 2018, 9, 8206-8222.	1.8	54
40	Spontaneous and UV Radiationâ€"Induced Multiple Metastatic Melanomas in Cdk4R24C/R24C/TPras Mice. Cancer Research, 2006, 66, 2946-2952.	0.9	52
41	In vivo overexpression of Emi1 promotes chromosome instability and tumorigenesis. Oncogene, 2016, 35, 5446-5455.	5.9	51
42	Mechanism of Mitosis-specific Activation of MEK1. Journal of Biological Chemistry, 2003, 278, 16747-16754.	3.4	49
43	Functional reassessment of P16 variants using a transfection-based assay. International Journal of Cancer, 1999, 82, 305-312.	5.1	47
44	CtBPs Promote Cell Survival through the Maintenance of Mitotic Fidelity. Molecular and Cellular Biology, 2009, 29, 4539-4551.	2.3	46
45	Oxidative Stress and Cell Senescence Combine to Cause Maximal Renal Tubular Epithelial Cell Dysfunction and Loss in an in vitro Model of Kidney Disease. Nephron Experimental Nephrology, 2013, 122, 123-130.	2.2	45
46	Phosphorylation of ribosomal protein S6 and a peptide analogue of S6 by a protease-activated kinase isolated from rat liver. FEBS Letters, 1984, 175, 219-226.	2.8	44
47	A High-Throughput Platform for Lentiviral Overexpression Screening of the Human ORFeome. PLoS ONE, 2011, 6, e20057.	2.5	43
48	Self-Renewal and High Proliferative Colony Forming Capacity of Late-Outgrowth Endothelial Progenitors Is Regulated by Cyclin-Dependent Kinase Inhibitors Driven by Notch Signaling. Stem Cells, 2016, 34, 902-912.	3.2	39
49	Rapid Mapping of Interactions between Human SNX-BAR Proteins Measured In Vitro by AlphaScreen and Single-molecule Spectroscopy. Molecular and Cellular Proteomics, 2014, 13, 2233-2245.	3.8	36
50	Cell line and patient-derived xenograft models reveal elevated CDCP1 as a target in high-grade serous ovarian cancer. British Journal of Cancer, 2016, 114, 417-426.	6.4	35
51	Caffeine Promotes Apoptosis in Mitotic Spindle Checkpoint-arrested Cells*. Journal of Biological Chemistry, 2007, 282, 6954-6964.	3.4	33
52	MAPK Pathway Activation Delays G2/M Progression by Destabilizing Cdc25B. Journal of Biological Chemistry, 2009, 284, 33781-33788.	3.4	31
53	Aurora A Is Critical for Survival in HPV-Transformed Cervical Cancer. Molecular Cancer Therapeutics, 2015, 14, 2753-2761.	4.1	30
54	Inhibition of S/G2 Phase CDK4 Reduces Mitotic Fidelity*. Journal of Biological Chemistry, 2006, 281, 9987-9995.	3.4	29

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55	Involvement of p16CDKN2A in cell cycle delays after low dose UV irradiation. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1998, 422, 43-53.	1.0	28
56	Identifying Molecular Targets Mediating the Anticancer Activity of Histone Deacetylase Inhibitors: A Work in Progress. Current Cancer Drug Targets, 2002, 2, 337-353.	1.6	25
57	Topoisomerase II Inhibitors and Poisons, and the Influence of Cell Cycle Checkpoints. Current Medicinal Chemistry, 2017, 24, 1504-1519.	2.4	25
58	High-content imaging of neutral lipid droplets with 1,6-diphenylhexatriene. BioTechniques, 2011, 51, 35-42.	1.8	24
59	Histone deacetylase inhibitors in the generation of the antiâ€tumour immune response. Immunology and Cell Biology, 2012, 90, 33-38.	2.3	24
60	CDC25B Overexpression Stabilises Centrin 2 and Promotes the Formation of Excess Centriolar Foci. PLoS ONE, 2013, 8, e67822.	2.5	24
61	Aurora kinases are a novel therapeutic target for HPV-positive head and neck cancers. Oral Oncology, 2018, 86, 105-112.	1.5	24
62	Mitotic Phosphorylation of Cdc25B Ser321 Disrupts 14-3-3 Binding to the High Affinity Ser323 Site. Journal of Biological Chemistry, 2010, 285, 34364-34370.	3.4	23
63	Generation of a Genome Scale Lentiviral Vector Library for EF1Î± Promoter-Driven Expression of Human ORFs and Identification of Human Genes Affecting Viral Titer. PLoS ONE, 2012, 7, e51733.	2.5	23
64	Defective Decatenation Checkpoint Function Is a Common Feature of Melanoma. Journal of Investigative Dermatology, 2014, 134, 150-158.	0.7	23
65	<scp>DNA</scp> repair and cell cycle checkpoint defects as drivers and therapeutic targets in melanoma. Pigment Cell and Melanoma Research, 2013, 26, 805-816.	3.3	22
66	Alpha-melanocyte stimulating hormone potentiates p16/CDKN2A expression in human skin after ultraviolet irradiation. Cancer Research, 2002, 62, 875-80.	0.9	22
67	Cell cycleâ€tailored targeting of metastatic melanoma: Challenges and opportunities. Experimental Dermatology, 2017, 26, 649-655.	2.9	20
68	6Î±-Acetoxyanopterine: A Novel Structure Class of Mitotic Inhibitor Disrupting Microtubule Dynamics in Prostate Cancer Cells. Molecular Cancer Therapeutics, 2017, 16, 3-15.	4.1	20
69	Cyclin A/cdk2 Regulates Adenomatous Polyposis Coli-dependent Mitotic Spindle Anchoring. Journal of Biological Chemistry, 2009, 284, 29015-29023.	3.4	18
70	Histone Deacetylase Inhibitors Disrupt the Mitotic Spindle Assembly Checkpoint By Targeting Histone and Nonhistone Proteins. Advances in Cancer Research, 2012, 116, 1-37.	5.0	18
71	Inhibition of Histone Deacetylase 3 Produces Mitotic Defects Independent of Alterations in Histone H3 Lysine 9 Acetylation and Methylation. Molecular Pharmacology, 2010, 78, 384-393.	2.3	17
72	CDC25B associates with a centrin 2-containing complex and is involved in maintaining centrosome integrity. Biology of the Cell, 2011, 103, 55-68.	2.0	17

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73	<scp>DCT</scp> protects human melanocytic cells from <scp>UVR</scp> and <scp>ROS</scp> damage and increases cell viability. Experimental Dermatology, 2014, 23, 916-921.	2.9	17
74	Combined use of subclinical hydroxyurea and CHK1 inhibitor effectively controls melanoma and lung cancer progression, with reduced normal tissue toxicity compared to gemcitabine. Molecular Oncology, 2019, 13, 1503-1518.	4.6	17
75	Restoration of CDKN2A into Melanoma Cells Induces Morphologic Changes and Reduction in Growth Rate but Not Anchorage-Independent Growth Reversal. Journal of Investigative Dermatology, 1997, 109, 61-68.	0.7	16
76	A UVR-Induced G2-Phase Checkpoint Response to ssDNA Gaps Produced by Replication Fork Bypass of Unrepaired Lesions Is Defective in Melanoma. Journal of Investigative Dermatology, 2012, 132, 1681-1688.	0.7	16
77	Acetylsalicylic Acid Governs the Effect of Sorafenib in <i>RAS</i>-Mutant Cancers. Clinical Cancer Research, 2018, 24, 1090-1102.	7.0	16
78	Everything in Moderation: Lessons Learned by Exploiting Moderate Replication Stress in Cancer. Cancers, 2019, 11, 1320.	3.7	16
79	Endogenous Replication Stress Marks Melanomas Sensitive to CHEK1 Inhibitors <i>In Vivo</i>. Clinical Cancer Research, 2018, 24, 2901-2912.	7.0	15
80	Discovery of thalicthuberine as a novel antimitotic agent from nature that disrupts microtubule dynamics and induces apoptosis in prostate cancer cells. Cell Cycle, 2018, 17, 652-668.	2.6	13
81	Inhibition of Aurora A and Aurora B Is Required for the Sensitivity of HPV-Driven Cervical Cancers to Aurora Kinase Inhibitors. Molecular Cancer Therapeutics, 2017, 16, 1934-1941.	4.1	12
82	Mechanism of action of the third generation benzopyrans and evaluation of their broad anti-cancer activity in vitro and in vivo. Scientific Reports, 2018, 8, 5144.	3.3	12
83	Targeting Replication Stress Using CHK1 Inhibitor Promotes Innate and NKT Cell Immune Responses and Tumour Regression. Cancers, 2021, 13, 3733.	3.7	12
84	A HISTONE DEACETYLASE INHIBITOR, AZELAIC BISHYDROXAMIC ACID, SHOWS CYTOTOXICITY ON EPSTEIN-BARR VIRUS-TRANSFORMED B-CELL LINES. Transplantation, 2002, 73, 271-279.	1.0	12
85	Adaptation and validation of DNA synthesis detection by fluorescent dye derivatization for high-throughput screening. BioTechniques, 2010, 48, 379-386.	1.8	10
86	Multiple melanoma susceptibility factors function in an ultraviolet radiation response pathway in skin. British Journal of Dermatology, 2012, 166, 362-371.	1.5	10
87	Decatenation checkpointâ€defective melanomas are dependent on <scp>PI</scp>3K for survival. Pigment Cell and Melanoma Research, 2014, 27, 813-821.	3.3	10
88	Genome-wide gain-of-function screen for genes that induce epithelial-to-mesenchymal transition in breast cancer. Oncotarget, 2016, 7, 61000-61020.	1.8	10
89	The Histone Deacetylase Inhibitor MGCD0103 Has Both Deacetylase and Microtubule Inhibitory Activity. Molecular Pharmacology, 2010, 78, 436-443.	2.3	9
90	Genome-Wide Overexpression Screen Identifies Genes Able to Bypass p16-Mediated Senescence in Melanoma. SLAS Discovery, 2017, 22, 298-308.	2.7	9

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91	Keratinocyte Sonic Hedgehog Upregulation Drives the Development of Giant Congenital Nevi via Paracrine Endothelin-1ÂSecretion. Journal of Investigative Dermatology, 2018, 138, 893-902.	0.7	9
92	Defining the Chemotherapeutic Targets of Histone Deacetylase Inhibitors. Annals of the New York Academy of Sciences, 2004, 1030, 627-635.	3.8	8
93	Phosphorylation of Cdc25B3 Ser169 regulates 14-3-3 binding to Ser151 and Cdc25B activity. Cell Cycle, 2011, 10, 1960-1967.	2.6	8
94	Finally, how histone deacetylase inhibitors disrupt mitosis!. Cell Cycle, 2011, 10, 2658-2661.	2.6	8
95	JIP4 is a PLK1 binding protein that regulates p38MAPK activity in G2 phase. Cellular Signalling, 2015, 27, 2296-2303.	3.6	8
96	A mutation in the <i>Cdon</i> gene potentiates congenital nevus development mediated by NRAS^{Q61K}. Pigment Cell and Melanoma Research, 2016, 29, 459-464.	3.3	8
97	A novel <scp>ATM</scp>â€dependent checkpoint defect distinct from loss of function mutation promotes genomic instability in melanoma. Pigment Cell and Melanoma Research, 2016, 29, 329-339.	3.3	8
98	Analysis of Checkpoint Responses to Histone Deacetylase Inhibitors. , 2004, 281, 245-260.		7
99	Cell Cycle Checkpoint and DNA Damage Response Defects as Anticancer Targets: From Molecular Mechanisms to Therapeutic Opportunities. , 2015, , 29-49.		6
100	Production of a Soluble Cyclin B/cdc2 Substrate for cdc25 Phosphatase. Analytical Biochemistry, 1997, 254, 231-235.	2.4	5
101	Melanoma mutations modify melanocyte dynamics in coculture with keratinocytes or fibroblasts. Journal of Cell Science, 2019, 132, .	2.0	5
102	Multiple interaction nodes define the postreplication repair response to UVâ€induced DNA damage that is defective in melanomas and correlated with UV signature mutation load. Molecular Oncology, 2020, 14, 22-41.	4.6	5
103	Multiparameter analysis of naevi and primary melanomas identifies a subset of naevi with elevated markers of transformation. Pigment Cell and Melanoma Research, 2016, 29, 444-452.	3.3	3
104	Unexpected High Levels of BRN2/POU3F2 Expression in Human Dermal Melanocytic Nevi. Journal of Investigative Dermatology, 2020, 140, 1299-1302.e4.	0.7	3
105	Dysregulated G2 phase checkpoint recovery pathway reduces DNA repair efficiency and increases chromosomal instability in a wide range of tumours. Oncogenesis, 2021, 10, 41.	4.9	3
106	Similar, not the same. Cell Cycle, 2013, 12, 715-715.	2.6	2
107	Analyzing Checkpoint Controls in Human Skin. , 2004, 280, 175-184.		1
108	Cell Cycle Targets of Histone Deacetylase Inhibitors. , 2006, , 299-313.		1

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109	Truncated MEK1 is required for transient activation of MAPK signalling in G2 phase cells. Cellular Signalling, 2013, 25, 1423-1428.	3.6	1
110	Cdc25 Family Phosphatases in Cancer. , 2016, , 283-306.		1
111	Pathway dysregulation analysis of the nucleotide excision repair mechanisms reveals it is not a common feature of melanomas. Pigment Cell and Melanoma Research, 2019, 32, 336-338.	3.3	1
112	Functional reassessment of P16 variants using a transfection-based assay. , 1999, 82, 305.		1
113	Smart drug combinations for cervical cancer: dual targeting of Bcl-2 family of proteins and aurora kinases. American Journal of Cancer Research, 2020, 10, 3406-3414.	1.4	1
114	Keeping replicative stress in Chk. Cell Cycle, 2012, 11, 2039-2040.	2.6	0
115	A distinct expression profile separates Turkish and Australian melanocytic naevi. Histopathology, 2016, 69, 151-154.	2.9	0
116	TARGETING P53 AND NUCLEOLAR STRESS IN DIAMOND-BLACKFAN ANAEMIA. Experimental Hematology, 2019, 76, S69-S70.	0.4	0
117	Abstract 3425: Chk1 inhibitor targets replicative stress in melanomas.. , 2013, , .		0
118	Abstract 945: Synthetic lethal screen identifies Aurora A as a selective target in HPV driven cervical cancer. , 2015, , .		0
119	Do Histone Deacetylase Inhibitors Target Cell Cycle Checkpoints that Monitor Heterochromatin Structure?. , 2008, , 291-309.		0