

# Michelle C Barton

## List of Publications by Year in descending order

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104  
papers

5,648  
citations

61984

43  
h-index

82547

72  
g-index

109  
all docs

109  
docs citations

109  
times ranked

9603  
citing authors

#	ARTICLE	IF	CITATIONS
1	TRIM24 links a non-canonical histone signature to breast cancer. <i>Nature</i> , 2010, 468, 927-932.	27.8	374
2	ZMYND11 links histone H3.3K36me3 to transcription elongation and tumour suppression. <i>Nature</i> , 2014, 508, 263-268.	27.8	276
3	Trim24 targets endogenous p53 for degradation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 11612-11616.	7.1	238
4	Hypoxia induces a novel signature of chromatin modifications and global repression of transcription. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 640, 174-179.	1.0	221
5	p53 Regulates Cell Cycle and MicroRNAs to Promote Differentiation of Human Embryonic Stem Cells. <i>PLoS Biology</i> , 2012, 10, e1001268.	5.6	207
6	Kaiso/p120-Catenin and TCF/β-Catenin Complexes Coordinately Regulate Canonical Wnt Gene Targets. <i>Developmental Cell</i> , 2005, 8, 843-854.	7.0	206
7	LncPRESS1 Is a p53-Regulated LncRNA that Safeguards Pluripotency by Disrupting SIRT6-Mediated De-acetylation of Histone H3K56. <i>Molecular Cell</i> , 2016, 64, 967-981.	9.7	176
8	p53-Mediated Repression of Alpha-Fetoprotein Gene Expression by Specific DNA Binding. <i>Molecular and Cellular Biology</i> , 1999, 19, 1279-1288.	2.3	165
9	Regulation of estrogen receptor β by histone methyltransferase SMYD2-mediated protein methylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17284-17289.	7.1	138
10	Structure-Guided Design of IACS-9571, a Selective High-Affinity Dual TRIM24-BRPF1 Bromodomain Inhibitor. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 1440-1454.	6.4	124
11	Inhibition of LSD1 sensitizes glioblastoma cells to histone deacetylase inhibitors. <i>Neuro-Oncology</i> , 2011, 13, 894-903.	1.2	122
12	Zinc finger protein ZBTB20 is a key repressor of alpha-fetoprotein gene transcription in liver. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 10859-10864.	7.1	116
13	The p63 Protein Isoform ΔNp63α Inhibits Epithelial-Mesenchymal Transition in Human Bladder Cancer Cells. <i>Journal of Biological Chemistry</i> , 2013, 288, 3275-3288.	3.4	116
14	TET1 is a maintenance DNA demethylase that prevents methylation spreading in differentiated cells. <i>Nucleic Acids Research</i> , 2014, 42, 6956-6971.	14.5	108
15	Ronin/Hcf-1 binds to a hyperconserved enhancer element and regulates genes involved in the growth of embryonic stem cells. <i>Genes and Development</i> , 2010, 24, 1479-1484.	5.9	106
16	p53: emerging roles in stem cells, development and beyond. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	89
17	p53 regulates a mitotic transcription program and determines ploidy in normal mouse liver. <i>Hepatology</i> , 2013, 57, 2004-2013.	7.3	83
18	Genome-wide profiling reveals stimulus-specific functions of p53 during differentiation and DNA damage of human embryonic stem cells. <i>Nucleic Acids Research</i> , 2014, 42, 205-223.	14.5	83

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19	Systematic Epigenomic Analysis Reveals Chromatin States Associated with Melanoma Progression. <i>Cell Reports</i> , 2017, 19, 875-889.	6.4	78
20	Bromodomain Histone Readers and Cancer. <i>Journal of Molecular Biology</i> , 2017, 429, 2003-2010.	4.2	78
21	Hypoxia-induced and stress-specific changes in chromatin structure and function. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2007, 618, 149-162.	1.0	76
22	A Direct Intersection between p53 and Transforming Growth Factor $\beta$ Pathways Targets Chromatin Modification and Transcription Repression of the $\beta$ -Fetoprotein Gene. <i>Molecular and Cellular Biology</i> , 2005, 25, 1200-1212.	2.3	74
23	TRIM24 Is a p53-Induced E3-Ubiquitin Ligase That Undergoes ATM-Mediated Phosphorylation and Autodegradation during DNA Damage. <i>Molecular and Cellular Biology</i> , 2014, 34, 2695-2709.	2.3	74
24	Myc and SAGA rewire an alternative splicing network during early somatic cell reprogramming. <i>Genes and Development</i> , 2015, 29, 803-816.	5.9	73
25	ZEB1/NuRD complex suppresses TBC1D2b to stimulate E-cadherin internalization and promote metastasis in lung cancer. <i>Nature Communications</i> , 2019, 10, 5125.	12.8	72
26	Nonpeptidic Propargylamines as Inhibitors of Lysine Specific Demethylase 1 (LSD1) with Cellular Activity. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 7334-7342.	6.4	68
27	The Trithorax Group Protein Ash2 Is Essential for Pluripotency and Maintaining Open Chromatin in Embryonic Stem Cells. <i>Journal of Biological Chemistry</i> , 2013, 288, 5039-5048.	3.4	67
28	Oncogenic <i>KRAS</i> Recruits an Expansive Transcriptional Network through Mutant p53 to Drive Pancreatic Cancer Metastasis. <i>Cancer Discovery</i> , 2021, 11, 2094-2111.	9.4	66
29	Regulation of p53: TRIM24 enters the RING. <i>Cell Cycle</i> , 2009, 8, 3668-3674.	2.6	65
30	Foxa1 Functions as a Pioneer Transcription Factor at Transposable Elements to Activate Afp during Differentiation of Embryonic Stem Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 16135-16144.	3.4	65
31	p53-Targeted LSD1 Functions in Repression of Chromatin Structure and Transcription In Vivo. <i>Molecular and Cellular Biology</i> , 2008, 28, 5139-5146.	2.3	63
32	TRIM24 suppresses development of spontaneous hepatic lipid accumulation and hepatocellular carcinoma in mice. <i>Journal of Hepatology</i> , 2015, 62, 371-379.	3.7	63
33	An essential role for UTX in resolution and activation of bivalent promoters. <i>Nucleic Acids Research</i> , 2016, 44, 3659-3674.	14.5	63
34	Hepatocyte Nuclear Factor 3 Relieves Chromatin-mediated Repression of the $\beta$ -Fetoprotein Gene. <i>Journal of Biological Chemistry</i> , 1999, 274, 25113-25120.	3.4	61
35	Preclinical activity of combined HDAC and KDM1A inhibition in glioblastoma. <i>Neuro-Oncology</i> , 2015, 17, 1463-1473.	1.2	61
36	Dual Roles of RNF2 in Melanoma Progression. <i>Cancer Discovery</i> , 2015, 5, 1314-1327.	9.4	57

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37	Hepatitis B Viral Transactivator HBx Alleviates p53-mediated Repression of $\hat{\pm}$ -Fetoprotein Gene Expression. <i>Journal of Biological Chemistry</i> , 2000, 275, 27806-27814.	3.4	56
38	Transcription Factor Interactions and Chromatin Modifications Associated with p53-Mediated, Developmental Repression of the Alpha-Fetoprotein Gene. <i>Molecular and Cellular Biology</i> , 2005, 25, 2147-2157.	2.3	56
39	Making sense of ubiquitin ligases that regulate p53. <i>Cancer Biology and Therapy</i> , 2010, 10, 665-672.	3.4	53
40	TRIM24 links glucose metabolism with transformation of human mammary epithelial cells. <i>Oncogene</i> , 2015, 34, 2836-2845.	5.9	50
41	TRIM28 interacts with EZH2 and SWI/SNF to activate genes that promote mammosphere formation. <i>Oncogene</i> , 2017, 36, 2991-3001.	5.9	48
42	p53 is essential for DNA methylation homeostasis in naïve embryonic stem cells, and its loss promotes clonal heterogeneity. <i>Genes and Development</i> , 2017, 31, 959-972.	5.9	48
43	von Hippel-Lindau Protein Induces Hypoxia-regulated Arrest of Tyrosine Hydroxylase Transcript Elongation in Pheochromocytoma Cells. <i>Journal of Biological Chemistry</i> , 1999, 274, 30109-30114.	3.4	47
44	Cascades of transcription regulation during liver regeneration. <i>International Journal of Biochemistry and Cell Biology</i> , 2011, 43, 189-197.	2.8	46
45	Family Members p53 and p73 Act Together in Chromatin Modification and Direct Repression of $\hat{\pm}$ -Fetoprotein Transcription. <i>Journal of Biological Chemistry</i> , 2005, 280, 39152-39160.	3.4	45
46	Genome-Wide Location Analysis Reveals Distinct Transcriptional Circuitry by Paralogous Regulators Foxa1 and Foxa2. <i>PLoS Genetics</i> , 2012, 8, e1002770.	3.5	45
47	Hypoxia Actively Represses Transcription by Inducing Negative Cofactor 2 (Dr1/DrAP1) and Blocking Preinitiation Complex Assembly. <i>Journal of Biological Chemistry</i> , 2003, 278, 5744-5749.	3.4	43
48	Analysis of epigenetic alterations to chromatin during development. <i>Genesis</i> , 2009, 47, 559-572.	1.6	42
49	p53 Targets Chromatin Structure Alteration to Repress $\hat{\pm}$ -Fetoprotein Gene Expression. <i>Journal of Biological Chemistry</i> , 2001, 276, 42057-42062.	3.4	41
50	Chromatin-Bound p53 Anchors Activated Smads and the mSin3A Corepressor To Confer Transforming Growth Factor $\hat{\pm}$ -Mediated Transcription Repression. <i>Molecular and Cellular Biology</i> , 2008, 28, 1988-1998.	2.3	41
51	MicroRNA Regulates Hepatocytic Differentiation of Progenitor Cells by Targeting YAP1. <i>Stem Cells</i> , 2016, 34, 1284-1296.	3.2	39
52	Ubp8 and SAGA Regulate Snf1 AMP Kinase Activity. <i>Molecular and Cellular Biology</i> , 2011, 31, 3126-3135.	2.3	36
53	Regulation of gene expression in human cancers by TRIM24. <i>Drug Discovery Today: Technologies</i> , 2016, 19, 57-63.	4.0	36
54	The APC Tumor Suppressor Inhibits DNA Replication by Directly Binding to DNA via Its Carboxyl Terminus. <i>Gastroenterology</i> , 2008, 135, 152-162.	1.3	35

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55	Development of novel cellular histone-binding and chromatin-displacement assays for bromodomain drug discovery. <i>Epigenetics and Chromatin</i> , 2015, 8, 37.	3.9	32
56	Histone H3 lysine 23 acetylation is associated with oncogene TRIM24 expression and a poor prognosis in breast cancer. <i>Tumor Biology</i> , 2016, 37, 14803-14812.	1.8	31
57	Rapid monoisotopic cisplatin based barcoding for multiplexed mass cytometry. <i>Scientific Reports</i> , 2017, 7, 3779.	3.3	31
58	Xenopus $\beta$ -catenin is essential in early embryogenesis and is functionally linked to cadherins and small GTPases. <i>Journal of Cell Science</i> , 2009, 122, 4049-4061.	2.0	30
59	Direct activation of forkhead box O3 by tumor suppressors p53 and p73 is disrupted during liver regeneration in mice. <i>Hepatology</i> , 2010, 52, 1023-1032.	7.3	29
60	Site-directed, recombination-mediated mutagenesis of a complex gene locus. <i>Nucleic Acids Research</i> , 1990, 18, 7349-7355.	14.5	28
61	The APC Tumor Suppressor Promotes Transcription-Independent Apoptosis In vitro. <i>NIH CA 63517 (J.) Tj ETQq1 1 0.784314 rgBT /Oyer Research</i> , 2005, 3, 78-89.	3.4	28
62	Neuronal transcriptional repressor REST suppresses an Atoh7-independent program for initiating retinal ganglion cell development. <i>Developmental Biology</i> , 2011, 349, 90-99.	2.0	28
63	GCN5 Regulates FGF Signaling and Activates Selective MYC Target Genes during Early Embryoid Body Differentiation. <i>Stem Cell Reports</i> , 2018, 10, 287-299.	4.8	27
64	Cross-talk between chromatin acetylation and SUMOylation of tripartite motif-containing protein 24 (TRIM24) impacts cell adhesion. <i>Journal of Biological Chemistry</i> , 2018, 293, 7476-7485.	3.4	27
65	Estrogen Regulation of Gene Transcription and mRNA Stability. , 1989, 45, 29-64.		27
66	Distal enhancer regulation by promoter derepression in topologically constrained DNA in vitro. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 7257-7262.	7.1	25
67	Deregulation of cyclin E meets dysfunction in p53: Closing the escape hatch on breast cancer. <i>Journal of Cellular Physiology</i> , 2006, 209, 686-694.	4.1	23
68	p53-independent DUX4 pathology. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 1211-1216.	2.4	22
69	Uncovering the Role of RNA-Binding Protein hnRNP K in B-Cell Lymphomas. <i>Journal of the National Cancer Institute</i> , 2020, 112, 95-106.	6.3	22
70	Daxx maintains endogenous retroviral silencing and restricts cellular plasticity in vivo. <i>Science Advances</i> , 2020, 6, eaba8415.	10.3	22
71	CD8+ T cells inhibit metastasis and CXCL4 regulates its function. <i>British Journal of Cancer</i> , 2021, 125, 176-189.	6.4	21
72	Minimal role of base excision repair in TET-induced global DNA demethylation in HEK293T cells. <i>Epigenetics</i> , 2015, 10, 1006-1013.	2.7	20

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73	Caspase cleavage of the APC tumor suppressor and release of an amino-terminal domain is required for the transcription-independent function of APC in apoptosis. <i>Oncogene</i> , 2007, 26, 4872-4876.	5.9	17
74	Chromatin alteration, transcription and replication: What's the opening line to the story?. <i>Oncogene</i> , 2001, 20, 3094-3099.	5.9	16
75	Mammary-specific expression of Trim24 establishes a mouse model of human metaplastic breast cancer. <i>Nature Communications</i> , 2021, 12, 5389.	12.8	14
76	Unmet Expectations: miR-34 Plays No Role in p53-Mediated Tumor Suppression In Vivo. <i>PLoS Genetics</i> , 2012, 8, e1002859.	3.5	11
77	Integrative genomics: Liver regeneration and hepatocellular carcinoma. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 2179-2184.	2.6	11
78	Functional Analysis of Chromatin Assembled in Synthetic Nuclei. <i>Methods</i> , 1999, 17, 173-187.	3.8	10
79	Coordinate estrogen induction of vitellogenin and a small serum protein mRNA in <i>Xenopus laevis</i> liver. <i>Molecular and Cellular Endocrinology</i> , 1985, 39, 91-98.	3.2	9
80	Uncoupling of S-Phase and Mitosis by Recombinant Cytotoxic Necrotizing Factor 2 (CNF2). <i>Experimental Cell Research</i> , 1997, 234, 132-138.	2.6	9
81	S-Phase Progression Mediates Activation of a Silenced Gene in Synthetic Nuclei. <i>Molecular and Cellular Biology</i> , 2000, 20, 4169-4180.	2.3	9
82	Microarray analysis of hepatic-regulated gene expression: Specific applications and nonspecific problems. <i>Hepatology</i> , 2002, 35, 727-729.	7.3	9
83	Regulated gene expression in reconstituted chromatin and synthetic nuclei. <i>Methods in Enzymology</i> , 1996, 274, 299-312.	1.0	7
84	In vitro reconstitution of nuclei for replication and transcription. <i>Methods in Enzymology</i> , 1999, 304, 63-76.	1.0	7
85	TRIM-ing Ligand Dependence in Castration-Resistant Prostate Cancer. <i>Cancer Cell</i> , 2016, 29, 776-778.	16.8	7
86	Repair of psoralen interstrand cross-links in <i>Xenopus laevis</i> egg extracts is highly mutagenic. <i>Biochemical and Biophysical Research Communications</i> , 2005, 336, 69-75.	2.1	6
87	Widespread, Exceptionally High Levels of Histone H3 Lysine 4 Trimethylation Largely Mediate $\alpha$ -Privileged Gene Expression. <i>Gene Expression</i> , 2006, 13, 271-282.	1.2	6
88	Sample Preparation for Mass Cytometry Analysis. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	6
89	Reciprocity of Action of Increasing Oct4 and Repressing p53 in Transdifferentiation of Mouse Embryonic Fibroblasts into Cardiac Myocytes. <i>Cellular Reprogramming</i> , 2018, 20, 27-37.	0.9	5
90	Hierarchies of Transcriptional Regulation During Liver Regeneration. <i>Progress in Molecular Biology and Translational Science</i> , 2010, 97, 201-227.	1.7	4

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91	HDAC3 at the Fulcrum of an Epithelial-Mesenchymal Balance. <i>Molecular Cell</i> , 2011, 43, 697-698.	9.7	4
92	KRAB domain of ZFP568 disrupts TRIM28-mediated abnormal interactions in cancer cells. <i>NAR Cancer</i> , 2020, 2, zcaa007.	3.1	4
93	Hierarchy of a regenerative cell cycle: Cyclin E1 multitasks. <i>Hepatology</i> , 2014, 59, 370-371.	7.3	3
94	Outside the p53 RING: Transcription Regulation by Chromatin-Bound MDM2. <i>Molecular Cell</i> , 2016, 62, 805-807.	9.7	3
95	Tissue-specific metabolism and TRIM24. <i>Aging</i> , 2015, 7, 736-737.	3.1	3
96	p53-Mediated regulation of hepatic lipid metabolism: Forging links between metabolism, atherogenesis, and cancer. <i>Journal of Hepatology</i> , 2012, 56, 518-519.	3.7	2
97	Tumor Suppressors p53 and TGF $\beta$ 2 Converge to Regulate the Alpha-Fetoprotein Oncodevelopmental Tumor Marker. , 2008, , 309-320.		2
98	Chromatin and Regulation of Gene Expression. , 2006, , 95-109.		1
99	p53. , 2010, , 345-357.		1
100	An optional laboratory in molecular techniques as an aid in the teaching of medical biochemistry. <i>Biochemical Education</i> , 1999, 27, 150-152.	0.1	0
101	Kaiso/p120-Catenin and TCF/ $\beta$ 2-Catenin Complexes Coordinately Regulate Canonical Wnt Gene Targets. <i>Developmental Cell</i> , 2005, 9, 305.	7.0	0
102	Influences along the path to maturity: Regulation of cellular levels of RNA. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2006, 1759, 385-387.	2.4	0
103	Acidic shield puts a chink in p53's armour. <i>Nature</i> , 2016, 538, 45-46.	27.8	0
104	Functions and control of p53 in embryonic stem cells. <i>FASEB Journal</i> , 2010, 24, 172.5.	0.5	0