

# Bernard W Futscher

## List of Publications by Year in descending order

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64  
papers

3,945  
citations

109321

35  
h-index

133252

59  
g-index

65  
all docs

65  
docs citations

65  
times ranked

5649  
citing authors

#	ARTICLE	IF	CITATIONS
1	Role for DNA methylation in the control of cell type-specific maspin expression. <i>Nature Genetics</i> , 2002, 31, 175-179.	21.4	403
2	Role for DNA Methylation in the Regulation of miR-200c and miR-141 Expression in Normal and Cancer Cells. <i>PLoS ONE</i> , 2010, 5, e8697.	2.5	268
3	Aberrant methylation of the BRCA1 CpG island promoter is associated with decreased BRCA1 mRNA in sporadic breast cancer cells. <i>Oncogene</i> , 1998, 17, 1807-1812.	5.9	221
4	Methylation of the BRCA1 promoter is associated with decreased BRCA1 mRNA levels in clinical breast cancer specimens. <i>Carcinogenesis</i> , 2000, 21, 1761-1765.	2.8	211
5	Epigenetic silencing of maspin gene expression in human breast cancers. , 2000, 85, 805-810.		157
6	Agglomerative Epigenetic Aberrations Are a Common Event in Human Breast Cancer. <i>Cancer Research</i> , 2008, 68, 8616-8625.	0.9	146
7	Epigenetic remodeling during arsenical-induced malignant transformation. <i>Carcinogenesis</i> , 2008, 29, 1500-1508.	2.8	113
8	Stepwise DNA Methylation Changes Are Linked to Escape from Defined Proliferation Barriers and Mammary Epithelial Cell Immortalization. <i>Cancer Research</i> , 2009, 69, 5251-5258.	0.9	113
9	miRNA Gene Promoters Are Frequent Targets of Aberrant DNA Methylation in Human Breast Cancer. <i>PLoS ONE</i> , 2013, 8, e54398.	2.5	110
10	Epigenetic Inactivation of the HOXA Gene Cluster in Breast Cancer. <i>Cancer Research</i> , 2006, 66, 10664-10670.	0.9	109
11	Arsenic Toxicology: Translating between Experimental Models and Human Pathology. <i>Environmental Health Perspectives</i> , 2011, 119, 1356-1363.	6.0	98
12	Mutant p53 and aberrant cytosine methylation cooperate to silence gene expression. <i>Oncogene</i> , 2003, 22, 3624-3634.	5.9	88
13	Transcriptional repression of BRCA1 by aberrant cytosine methylation, histone hypoacetylation and chromatin condensation of the BRCA1 promoter. <i>Nucleic Acids Research</i> , 2000, 28, 3233-3239.	14.5	83
14	Epigenetic mediated transcriptional activation of WNT5A participates in arsenical-associated malignant transformation. <i>Toxicology and Applied Pharmacology</i> , 2009, 235, 39-46.	2.8	78
15	Development and molecular characterization of HCT-116 cell lines resistant to the tumor promoter and multiple stress-inducer, deoxycholate. <i>Carcinogenesis</i> , 2002, 23, 2063-2080.	2.8	74
16	Methylation of CpG Island Transcription Factor Binding Sites Is Unnecessary for Aberrant Silencing of the Human MGMT Gene. <i>Journal of Biological Chemistry</i> , 1996, 271, 13916-13924.	3.4	72
17	Hypoxia perturbs aryl hydrocarbon receptor signaling and CYP1A1 expression induced by PCB 126 in human skin and liver-derived cell lines. <i>Toxicology and Applied Pharmacology</i> , 2014, 274, 408-416.	2.8	71
18	Genetic and Epigenetic Inactivation of Extracellular Superoxide Dismutase Promotes an Invasive Phenotype in Human Lung Cancer by Disrupting ECM Homeostasis. <i>Molecular Cancer Research</i> , 2012, 10, 40-51.	3.4	69

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19	Epigenetic regulation of normal human mammary cell type-specific miRNAs. <i>Genome Research</i> , 2011, 21, 2026-2037.	5.5	68
20	Selective variegated methylation of the p15 CpG island in acute myeloid leukemia. , 1998, 78, 561-567.		63
21	Analysis of MRP mRNA in mitoxantrone-selected, multidrug-resistant human tumor cells. <i>Biochemical Pharmacology</i> , 1994, 47, 1601-1606.	4.4	61
22	Arsenic exposure induces the Warburg effect in cultured human cells. <i>Toxicology and Applied Pharmacology</i> , 2013, 271, 72-77.	2.8	61
23	Aberrant Methylation of the Maspin Promoter Is an Early Event in Human Breast Cancer. <i>Neoplasia</i> , 2004, 6, 380-389.	5.3	61
24	Different Mutant/Wild-Type p53 Combinations Cause a Spectrum of Increased Invasive Potential in Nonmalignant Immortalized Human Mammary Epithelial Cells. <i>Neoplasia</i> , 2008, 10, 450-461.	5.3	60
25	Immortalization of normal human mammary epithelial cells in two steps by direct targeting of senescence barriers does not require gross genomic alterations. <i>Cell Cycle</i> , 2014, 13, 3423-3435.	2.6	60
26	Transcription-terminating lesions induced by bifunctional alkylating agents in vitro. <i>Carcinogenesis</i> , 1989, 10, 1307-1314.	2.8	53
27	Identification of a Novel Structural Variant of the $\beta 6$ Integrin. <i>Journal of Biological Chemistry</i> , 2001, 276, 26099-26106.	3.4	53
28	p53 induces distinct epigenetic states at its direct target promoters. <i>BMC Genomics</i> , 2008, 9, 486.	2.8	49
29	Epigenetic regulation of maspin expression in human ovarian carcinoma cells. <i>Gynecologic Oncology</i> , 2006, 102, 319-324.	1.4	48
30	A suite of DNA methylation markers that can detect most common human cancers. <i>Epigenetics</i> , 2018, 13, 61-72.	2.7	48
31	Monomethylarsonous Acid Produces Irreversible Events Resulting in Malignant Transformation of a Human Bladder Cell Line Following 12 Weeks of Low-Level Exposure. <i>Toxicological Sciences</i> , 2010, 116, 44-57.	3.1	47
32	Verapamil suppresses the emergence of P-glycoprotein-mediated multi-drug resistance. , 1996, 66, 520-525.		46
33	Arsenicals produce stable progressive changes in DNA methylation patterns that are linked to malignant transformation of immortalized urothelial cells. <i>Toxicology and Applied Pharmacology</i> , 2009, 241, 221-229.	2.8	44
34	Human Pancreatic Carcinoma Cells Activate Maspin Expression Through Loss of Epigenetic Control. <i>Neoplasia</i> , 2003, 5, 427-436.	5.3	43
35	Optimal Search-Based Gene Subset Selection for Gene Array Cancer Classification. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2007, 11, 398-405.	3.2	40
36	Coordinate H3K9 and DNA methylation silencing of ZNFs in toxicant-induced malignant transformation. <i>Epigenetics</i> , 2013, 8, 1080-1088.	2.7	40

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37	Characterization of Hepatocellular Carcinoma Related Genes and Metabolites in Human Nonalcoholic Fatty Liver Disease. <i>Digestive Diseases and Sciences</i> , 2014, 59, 365-374.	2.3	39
38	MnSOD Up-Regulates Maspin Tumor Suppressor Gene Expression in Human Breast and Prostate Cancer Cells. <i>Antioxidants and Redox Signaling</i> , 2003, 5, 677-688.	5.4	38
39	Epigenetic silencing of lncRNA MORT in 16 TCGA cancer types. <i>F1000Research</i> , 2018, 7, 211.	1.6	31
40	Agglomerates of aberrant DNA methylation are associated with toxicant-induced malignant transformation. <i>Epigenetics</i> , 2012, 7, 1238-1248.	2.7	30
41	Exome-wide mutation profile in benzo[a]pyrene-derived post-stasis and immortal human mammary epithelial cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2014, 775-776, 48-54.	1.7	29
42	A lincRNA connected to cell mortality and epigenetically-silenced in most common human cancers. <i>Epigenetics</i> , 2015, 10, 1074-1083.	2.7	28
43	Age and the means of bypassing stasis influence the intrinsic subtype of immortalized human mammary epithelial cells. <i>Frontiers in Cell and Developmental Biology</i> , 2015, 3, 13.	3.7	25
44	5-Azacytidine Modulates the Response of Sensitive and Multidrug-Resistant K562 Leukemic Cells to Cytostatic Drugs. <i>Blood Cells, Molecules, and Diseases</i> , 2001, 27, 637-648.	1.4	24
45	DNA methylation biomarkers discovered <i>in silico</i> detect cancer in liquid biopsies from non-small cell lung cancer patients. <i>Epigenetics</i> , 2020, 15, 419-430.	2.7	23
46	Differentially Expressed MicroRNAs in Postpartum Breast Cancer in Hispanic Women. <i>PLoS ONE</i> , 2015, 10, e0124340.	2.5	23
47	Decreased CP-1 (NF-Y) Activity Results in Transcriptional Down-Regulation of Topoisomerase III $\beta$ in a Doxorubicin-Resistant Variant of Human Multiple Myeloma RPMI 8226. <i>Biochemical and Biophysical Research Communications</i> , 1997, 237, 217-224.	2.1	22
48	Epigenetic Regulation of the Cell Type-Specific Gene 14-3-3 $\beta$ . <i>Neoplasia</i> , 2005, 7, 799-808.	5.3	22
49	Hypomethylation of the 14-3-3 $\beta$ promoter leads to increased expression in non-small cell lung cancer. <i>Genes Chromosomes and Cancer</i> , 2011, 50, 830-836.	2.8	22
50	Cell-Type Specific DNA Methylation Patterns Define Human Breast Cellular Identity. <i>PLoS ONE</i> , 2012, 7, e52299.	2.5	22
51	Epigenetic Changes During Cell Transformation. <i>Advances in Experimental Medicine and Biology</i> , 2013, 754, 179-194.	1.6	22
52	DNA-Damaging and Transcription-Terminating Lesions Induced by AF64A In Vitro. <i>Journal of Neurochemistry</i> , 1992, 58, 1504-1509.	3.9	21
53	Flipping the Epigenetic Switch. <i>American Journal of Pathology</i> , 2004, 164, 1883-1886.	3.8	18
54	Maintenance of mitochondrial genomic integrity in the absence of manganese superoxide dismutase in mouse liver hepatocytes. <i>Redox Biology</i> , 2013, 1, 172-177.	9.0	16

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55	The acetyltransferase p300/CBP-associated factor is a p53 target gene in breast tumor cells. <i>Neoplasia</i> , 2004, 6, 187-94.	5.3	14
56	Liquid biopsy, using a novel DNA methylation signature, distinguishes pancreatic adenocarcinoma from benign pancreatic disease. <i>Clinical Epigenetics</i> , 2022, 14, 28.	4.1	9
57	Pharmacogenomics of the Polyamine Analog 3,8,13,18-tetraaza-10,11-[(E)-1,2-cyclopropyl] eicosane Tetrahydrochloride, CGC-11093, in the Colon Adenocarcinoma Cell Line HCT1161. <i>Technology in Cancer Research and Treatment</i> , 2006, 5, 553-564.	1.9	7
58	In Vitro Assessment of the Inflammatory Breast Cancer Cell Line SUM 149: Discovery of 2 Single Nucleotide Polymorphisms in the RNase L Gene. <i>Journal of Cancer</i> , 2013, 4, 104-116.	2.5	7
59	DNA methylation changes in biomarker loci occur early in cancer progression. <i>F1000Research</i> , 2019, 8, 2106.	1.6	7
60	Comparisons of PCR-based genome amplification systems using CpG island microarrays. <i>Human Mutation</i> , 2006, 27, 589-596.	2.5	5
61	DNA methylation changes in biomarker loci occur early in cancer progression. <i>F1000Research</i> , 0, 8, 2106.	1.6	5
62	Gene amplification affecting O6-alkylguanine-DNA alkyltransferase activity is not detected in nitrosourea resistant or sensitive human cell lines. <i>Carcinogenesis</i> , 1990, 11, 479-483.	2.8	4
63	Detecting differences in 5-methylcytosine using restriction enzyme isoschizomers: an endogenous control for complete digestion. <i>Nucleic Acids Research</i> , 1995, 23, 4740-4741.	14.5	3
64	The Epigenetic Basis of Cell Type Specificity. <i>FASEB Journal</i> , 2012, 26, 83.1.	0.5	0