

Michael H Bachmann

List of Publications by Year in descending order

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45
papers

5,757
citations

147726

31
h-index

233338

45
g-index

47
all docs

47
docs citations

47
times ranked

8512
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in In Vivo Bioluminescence Imaging of Gene Expression. Annual Review of Biomedical Engineering, 2002, 4, 235-260.	5.7	876
2	MYC inactivation uncovers pluripotent differentiation and tumour dormancy in hepatocellular cancer. Nature, 2004, 431, 1112-1117.	13.7	796
3	Cancer stem cells from human breast tumors are involved in spontaneous metastases in orthotopic mouse models. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18115-18120.	3.3	408
4	Differential fates of biomolecules delivered to target cells via extracellular vesicles. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1433-42.	3.3	378
5	Shifting foci of hematopoiesis during reconstitution from single stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 221-226.	3.3	323
6	Revealing lymphoma growth and the efficacy of immune cell therapies using in vivo bioluminescence imaging. Blood, 2003, 101, 640-648.	0.6	302
7	Advancing animal models of neoplasia through in vivo bioluminescence imaging. European Journal of Cancer, 2002, 38, 2128-2136.	1.3	212
8	Antigen-specific T cell-mediated gene therapy in collagen-induced arthritis. Journal of Clinical Investigation, 2001, 107, 1293-1301.	3.9	171
9	The impact of regulatory T cells on T-cell immunity following hematopoietic cell transplantation. Blood, 2008, 111, 945-953.	0.6	160
10	Bioluminescence imaging of lymphocyte trafficking in vivo. Experimental Hematology, 2001, 29, 1353-1360.	0.2	146
11	Sleep Disturbances in Women With Metastatic Breast Cancer. Breast Journal, 2002, 8, 362-370.	0.4	134
12	Genetic diversity of feline immunodeficiency virus: dual infection, recombination, and distinct evolutionary rates among envelope sequence clades. Journal of Virology, 1997, 71, 4241-4253.	1.5	134
13	Functional Imaging of Legumain in Cancer Using a New Quenched Activity-Based Probe. Journal of the American Chemical Society, 2013, 135, 174-182.	6.6	131
14	Social Support and Maladaptive Coping as Predictors of the Change in Physical Health Symptoms among Persons Living with HIV/AIDS. AIDS Patient Care and STDs, 2005, 19, 587-598.	1.1	120
15	A Nonpeptidic Cathepsin S Activity-Based Probe for Noninvasive Optical Imaging of Tumor-Associated Macrophages. Chemistry and Biology, 2012, 19, 619-628.	6.2	103
16	Signaling by Extracellular Vesicles Advances Cancer Hallmarks. Trends in Cancer, 2016, 2, 84-94.	3.8	97
17	Measuring Cytotoxicity by Bioluminescence Imaging Outperforms the Standard Chromium-51 Release Assay. PLoS ONE, 2014, 9, e89357.	1.1	96
18	Rapid Genetic Characterization of HIV Type 1 Strains from Four World Health Organization-Sponsored Vaccine Evaluation Sites Using a Heteroduplex Mobility Assay. AIDS Research and Human Retroviruses, 1994, 10, 1345-1353.	0.5	94

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19	An intravascular magnetic wire for the high-throughput retrieval of circulating tumour cells in vivo. <i>Nature Biomedical Engineering</i> , 2018, 2, 696-705.	11.6	92
20	Breast Cancer Cell Colonization of the Human Bone Marrow Adipose Tissue Niche. <i>Neoplasia</i> , 2015, 17, 849-861.	2.3	91
21	Molecular Imaging Using Labeled Donor Tissues Reveals Patterns of Engraftment, Rejection, and Survival in Transplantation. <i>Transplantation</i> , 2005, 80, 134-139.	0.5	90
22	Minority Variants Associated with Transmitted and Acquired HIV-1 Nonnucleoside Reverse Transcriptase Inhibitor Resistance: Implications for the Use of Second-Generation Nonnucleoside Reverse Transcriptase Inhibitors. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2009, 52, 309-315.	0.9	88
23	Identification of an env G subtype and heterogeneity of HIV-1 strains in the Russian Federation and Belarus. <i>Aids</i> , 1994, 8, 1649-1656.	1.0	76
24	Nucleic Acid Template and the Risk of a PCR-Induced HIV-1 Drug Resistance Mutation. <i>PLoS ONE</i> , 2010, 5, e10992.	1.1	62
25	A genetic reporter of thermal stress defines physiologic zones over a defined temperature range. <i>FASEB Journal</i> , 2004, 18, 264-271.	0.2	55
26	Microvesicle-Mediated Delivery of Minicircle DNA Results in Effective Gene-Directed Enzyme Prodrug Cancer Therapy. <i>Molecular Cancer Therapeutics</i> , 2019, 18, 2331-2342.	1.9	54
27	Longitudinal, Noninvasive Imaging of T-Cell Effector Function and Proliferation in Living Subjects. <i>Cancer Research</i> , 2010, 70, 10141-10149.	0.4	49
28	Alternative Therapies: A Common Practice among Men and Women Living with HIV. <i>Journal of the Association of Nurses in AIDS Care</i> , 2003, 14, 17-27.	0.4	48
29	In vivo analysis of heat-shock-protein-70 induction following pulsed laser irradiation in a transgenic reporter mouse. <i>Journal of Biomedical Optics</i> , 2008, 13, 030501.	1.4	42
30	CNOB/ChrR6, a new prodrug enzyme cancer chemotherapy. <i>Molecular Cancer Therapeutics</i> , 2009, 8, 333-341.	1.9	38
31	Bioluminescent indicators for in vivo measurements of gene expression. <i>Trends in Biotechnology</i> , 2002, 20, S19-S23.	4.9	37
32	Identification of a putative receptor for subgroup A feline leukemia virus on feline T cells. <i>Journal of Virology</i> , 1992, 66, 3707-3714.	1.5	30
33	Functional DNA Delivery Enabled by Lipid-Modified Charge-Altering Releasable Transporters (CARTs). <i>Biomacromolecules</i> , 2018, 19, 2812-2824.	2.6	29
34	New imaging probes to track cell fate: reporter genes in stem cell research. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 4455-4469.	2.4	28
35	Permeability measurements with closed vesicles from rat liver nuclear envelopes.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987, 84, 3540-3544.	3.3	26
36	Panel of Prototypical Raltegravir-Resistant Infectious Molecular Clones in a Novel Integrase-Deleted Cloning Vector. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 934-936.	1.4	26

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37	Conserved V3 Loop Sequences and Transmission of Human Immunodeficiency Virus Type 1. <i>AIDS Research and Human Retroviruses</i> , 1994, 10, 1679-1684.	0.5	21
38	Local estrogen axis in the human bone microenvironment regulates estrogen receptor-positive breast cancer cells. <i>Breast Cancer Research</i> , 2017, 19, 121.	2.2	20
39	A Truncated Human NKG2D Splice Isoform Negatively Regulates NKG2D-Mediated Function. <i>Journal of Immunology</i> , 2014, 193, 2764-2771.	0.4	19
40	Methods for Culturing Human Femur Tissue Explants to Study Breast Cancer Cell Colonization of the Metastatic Niche. <i>Journal of Visualized Experiments</i> , 2015, , .	0.2	15
41	Smart Dust Nanorice for Enhancement of Endogenous Raman Signal, Contrast in Photoacoustic Imaging, and T2 Shortening in Magnetic Resonance Imaging. <i>Small</i> , 2018, 14, e1703683.	5.2	8
42	The writing is on the vessel wall. <i>Nature</i> , 2004, 429, 618-619.	13.7	7
43	Tendon Regeneration with Tendon Hydrogel-Based Cell Delivery: A Comparison of Fibroblasts and Adipose-Derived Stem Cells. <i>Plastic and Reconstructive Surgery</i> , 2016, 138, 617-626.	0.7	7
44	In Vitro and In Vivo Analysis of Extracellular Vesicle-Mediated Metastasis Using a Bright, Red-Shifted Bioluminescent Reporter Protein. <i>Genetics & Genomics Next</i> , 2022, 3, .	0.8	7
45	Human Immunodeficiency Virus Type 1 Isolates with the Reverse Transcriptase (RT) Mutation Q145M Retain Nucleoside and Nonnucleoside RT Inhibitor Susceptibility. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 2196-2198.	1.4	1