

J Michael Mathis

List of Publications by Year in descending order

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108
papers

4,390
citations

101543

36
h-index

114465

63
g-index

110
all docs

110
docs citations

110
times ranked

5266
citing authors

#	ARTICLE	IF	CITATIONS
1	Placebo-Controlled Trial of Indole-3-Carbinol in the Treatment of CIN. <i>Gynecologic Oncology</i> , 2000, 78, 123-129.	1.4	237
2	Mesenchymal Stem Cells Effectively Deliver an Oncolytic Adenovirus to Intracranial Glioma. <i>Stem Cells</i> , 2008, 26, 831-841.	3.2	226
3	Mesenchymal stem cells as a vehicle for targeted delivery of CRAds to lung metastases of breast carcinoma. <i>Breast Cancer Research and Treatment</i> , 2007, 105, 157-167.	2.5	194
4	Angiotensin II and Potassium Regulate Human CYP11B2 Transcription through Common cis-Elements. <i>Molecular Endocrinology</i> , 1997, 11, 638-649.	3.7	176
5	Mutations in the BRCA1-associated RING domain (BARD1) gene in primary breast, ovarian and uterine cancers. <i>Human Molecular Genetics</i> , 1998, 7, 195-202.	2.9	158
6	Profiling transcript levels for steroidogenic enzymes in fetal tissues. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2003, 87, 181-189.	2.5	140
7	Brain 4: a novel mammalian POU domain transcription factor exhibiting restricted brain-specific expression.. <i>EMBO Journal</i> , 1992, 11, 2551-2561.	7.8	136
8	Role of the endothelium in inflammatory bowel diseases. <i>World Journal of Gastroenterology</i> , 2011, 17, 578.	3.3	131
9	Genetic instability in human ovarian cancer cell lines.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 9495-9499.	7.1	129
10	Identification of multiple regulatory elements on the human cytochrome P450IA1 gene. <i>Carcinogenesis</i> , 1988, 9, 1599-1605.	2.8	120
11	Promotion of incisional wound repair by human mesenchymal stem cell transplantation. <i>Experimental Dermatology</i> , 2009, 18, 362-369.	2.9	117
12	Oncolytic adenoviruses " selective retargeting to tumor cells. <i>Oncogene</i> , 2005, 24, 7775-7791.	5.9	111
13	Calcium/calmodulin-dependent protein kinase mediates a pathway for transcriptional regulation.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 3710-3714.	7.1	110
14	The roles of oncogenic miRNAs and their therapeutic importance in breast cancer. <i>European Journal of Cancer</i> , 2017, 72, 1-11.	2.8	87
15	Differential regulation of 11 β -hydroxylase and aldosterone synthase in human adrenocortical H295R cells. <i>Molecular and Cellular Endocrinology</i> , 1996, 121, 87-91.	3.2	79
16	Glucocorticoid regulation of the rat cytochrome P450c (P450IA1) gene: Receptor binding within intron I. <i>Archives of Biochemistry and Biophysics</i> , 1989, 269, 93-105.	3.0	74
17	Adenovirus-Based p53 Gene Therapy in Ovarian Cancer. <i>Gynecologic Oncology</i> , 1995, 59, 171-178.	1.4	73
18	HIV antiretroviral drug combination induces endothelial mitochondrial dysfunction and reactive oxygen species production, but not apoptosis. <i>Toxicology and Applied Pharmacology</i> , 2007, 224, 60-71.	2.8	68

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19	Angiotensin II in experimental colitis. <i>Inflammatory Bowel Diseases</i> , 2010, 16, 1029-1039.	1.9	67
20	Ca ²⁺ -Regulated Expression of Aldosterone Synthase Is Mediated By Calmodulin and Calmodulin-Dependent Protein Kinases. <i>Endocrinology</i> , 1997, 138, 835-838.	2.8	65
21	Evidence for Ovarian Granulosa Stem Cells: Telomerase Activity and Localization of the Telomerase Ribonucleic Acid Component in Bovine Ovarian Follicles1. <i>Biology of Reproduction</i> , 1999, 61, 358-366.	2.7	61
22	Aggressive mammary carcinoma progression in Nrf2 knockout mice treated with 7,12-dimethylbenz[a]anthracene. <i>BMC Cancer</i> , 2010, 10, 540.	2.6	60
23	Genetic incorporation of HSV-1 thymidine kinase into the adenovirus protein IX for functional display on the virion. <i>Virology</i> , 2005, 338, 247-258.	2.4	59
24	Quantitative assessment of CYP11B1 and CYP11B2 expression in aldosterone-producing adenomas. <i>European Journal of Endocrinology</i> , 2002, 147, 795-802.	3.7	58
25	Elevated Levels of Chemokine Receptor CXCR4 in HER-2 Negative Breast Cancer Specimens Predict Recurrence. <i>Journal of Surgical Research</i> , 2007, 141, 53-59.	1.6	52
26	Reversal of experimental colitis disease activity in mice following administration of an adenoviral IL-10 vector. <i>Journal of Inflammation</i> , 2005, 2, 13.	3.4	51
27	Effect of adenoviral mediated overexpression of fibromodulin on human dermal fibroblasts and scar formation in full-thickness incisional wounds. <i>Journal of Molecular Medicine</i> , 2007, 85, 481-496.	3.9	51
28	Differential Cytokine Responses in Human and Mouse Lymphatic Endothelial Cells to Cytokines <i>in Vitro</i> . <i>Lymphatic Research and Biology</i> , 2010, 8, 155-164.	1.1	51
29	Angiotensin II and Potassium Regulate Human CYP11B2 Transcription through Common cis-Elements. <i>Molecular Endocrinology</i> , 1997, 11, 638-649.	3.7	51
30	Regulation of cytochrome P-450c by glucocorticoids and polycyclic aromatic hydrocarbons in cultured fetal rat hepatocytes. <i>Archives of Biochemistry and Biophysics</i> , 1986, 246, 439-448.	3.0	48
31	Genetic Incorporation of a Herpes Simplex Virus Type 1 Thymidine Kinase and Firefly Luciferase Fusion into the Adenovirus Protein IX for Functional Display on the Virion. <i>Molecular Imaging</i> , 2006, 5, 7290.2006.00029.	1.4	48
32	Substitution of Adenovirus Serotype 3 Hexon onto a Serotype 5 Oncolytic Adenovirus Reduces Factor X Binding, Decreases Liver Tropism, and Improves Antitumor Efficacy. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 2536-2544.	4.1	48
33	Angiotensin increases aldosterone synthase mRNA levels in human NCI-H295 cells. <i>Molecular and Cellular Endocrinology</i> , 1993, 94, R9-R13.	3.2	45
34	Trogocytosis of MHC-I/Peptide Complexes Derived from Tumors and Infected Cells Enhances Dendritic Cell Cross-Priming and Promotes Adaptive T Cell Responses. <i>PLoS ONE</i> , 2008, 3, e3097.	2.5	41
35	Transformation of human granulosa cells with the E6 and E7 regions of human papillomavirus. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1994, 78, 705-710.	3.6	39
36	A human adenoviral vector with a chimeric fiber from canine adenovirus type 1 results in novel expanded tropism for cancer gene therapy. <i>Gene Therapy</i> , 2005, 12, 1696-1706.	4.5	38

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37	Selective Forelimb Impairment in Rats Expressing a Pathological TDP-43 25 kDa C-terminal Fragment to Mimic Amyotrophic Lateral Sclerosis. <i>Molecular Therapy</i> , 2013, 21, 1324-1334.	8.2	38
38	Genetic modification of mesenchymal stem cells to express a single-chain antibody against EGFRvIII on the cell surface. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2010, 4, 247-258.	2.7	37
39	Brain-derived neurotrophic factor induces functional expression and phenotypic differentiation of cultured fetal neuropeptide Y-producing neurons. <i>Journal of Neuroscience Research</i> , 1995, 42, 638-647.	2.9	35
40	Genetic incorporation of a herpes simplex virus type 1 thymidine kinase and firefly luciferase fusion into the adenovirus protein IX for functional display on the virion. <i>Molecular Imaging</i> , 2006, 5, 510-9.	1.4	35
41	Cancer-specific targeting of a conditionally replicative adenovirus using mRNA translational control. <i>Breast Cancer Research and Treatment</i> , 2008, 108, 43-55.	2.5	34
42	Synergistic induction of monooxygenase activity by glucocorticoids and polycyclic aromatic hydrocarbons in human fetal hepatocytes in primary monolayer culture. <i>Archives of Biochemistry and Biophysics</i> , 1986, 244, 650-661.	3.0	33
43	Cancer-specific targeting of an adenovirus-delivered herpes simplex virus thymidine kinase suicide gene using translational control. <i>Journal of Gene Medicine</i> , 2006, 8, 1105-1120.	2.8	33
44	Phenothiazine Inhibitors of TLKs Affect Double-Strand Break Repair and DNA Damage Response Recovery and Potentiate Tumor Killing with Radiomimetic Therapy. <i>Genes and Cancer</i> , 2013, 4, 39-53.	1.9	33
45	Gliovascular and cytokine interactions modulate brain endothelial barrier in vitro. <i>Journal of Neuroinflammation</i> , 2011, 8, 162.	7.2	32
46	VEGF-A isoform modulation in an preclinical TNBS model of ulcerative colitis: protective effects of a VEGF164b therapy. <i>Journal of Translational Medicine</i> , 2013, 11, 207.	4.4	32
47	In Vivo Studies of Adenovirus-Based p53 Gene Therapy for Ovarian Cancer. <i>Gynecologic Oncology</i> , 1998, 69, 197-204.	1.4	31
48	Gene transfer to carcinoma of the breast with fiber-modified adenoviral vectors in a tissue slice model system. <i>Cancer Biology and Therapy</i> , 2005, 4, 1203-1210.	3.4	31
49	Preclinical evaluation of transcriptional targeting strategies for carcinoma of the breast in a tissue slice model system. <i>Breast Cancer Research</i> , 2005, 7, R1141-52.	5.0	30
50	Dendritic Cell Based PSMA Immunotherapy for Prostate Cancer Using a CD40-Targeted Adenovirus Vector. <i>PLoS ONE</i> , 2012, 7, e46981.	2.5	28
51	Oncolytic Virotherapy for Breast Cancer Treatment. <i>Current Gene Therapy</i> , 2018, 18, 192-205.	2.0	28
52	Synthesis, Characterization, and Evaluation of Near-IR Boron Dipyrromethene Bioconjugates for Labeling of Adenocarcinomas by Selectively Targeting the Epidermal Growth Factor Receptor. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 3323-3335.	6.4	28
53	Tumor-Targeting NIRF NanoGUMBOS with Cyclodextrin-Enhanced Chemo/Photothermal Antitumor Activities. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 27548-27557.	8.0	25
54	IL-1 β -induced production of metalloproteinases by synovial cells depends on gap junction conductance. <i>American Journal of Physiology - Cell Physiology</i> , 2002, 282, C1254-C1260.	4.6	24

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55	Tissue microarray analysis of eIF4E and its downstream effector proteins in human breast cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2009, 28, 5.	8.6	24
56	Association of core-binding factor β^2 with the malignant phenotype of prostate and ovarian cancer cells. <i>Journal of Cellular Physiology</i> , 2010, 225, 875-887.	4.1	24
57	Employment of liver tissue slice analysis to assay hepatotoxicity linked to replicative and nonreplicative adenoviral agents. <i>Cancer Gene Therapy</i> , 2006, 13, 606-618.	4.6	21
58	Metabolic Modulation of Cytokine-Induced Brain Endothelial Adhesion Molecule Expression. <i>Microcirculation</i> , 2012, 19, 155-165.	1.8	20
59	Quantification of bone changes in a collagen-induced arthritis mouse model by reconstructed three dimensional micro-CT. <i>Biological Procedures Online</i> , 2013, 15, 8.	2.9	19
60	Ca ²⁺ -Regulated Expression of Aldosterone Synthase Is Mediated By Calmodulin and Calmodulin-Dependent Protein Kinases. <i>Endocrinology</i> , 1997, 138, 835-838.	2.8	19
61	PET Imaging a MPTP-Induced Mouse Model of Parkinson's Disease Using the Fluoropropyl-Dihydrotrabenazine Analog [18F]-DTBZ (AV-133). <i>PLoS ONE</i> , 2012, 7, e39041.	2.5	18
62	Specific and nontoxic silencing in mammalian cells with expressed long dsRNAs. <i>Nucleic Acids Research</i> , 2006, 34, 3803-3810.	14.5	17
63	A Recombinant Inhibitory Isoform of Vascular Endothelial Growth Factor164/165 Aggravates Ischemic Brain Damage in a Mouse Model of Focal Cerebral Ischemia. <i>American Journal of Pathology</i> , 2013, 183, 1010-1024.	3.8	17
64	Syngeneic Syrian hamster tumors feature tumor-infiltrating lymphocytes allowing adoptive cell therapy enhanced by oncolytic adenovirus in a replication permissive setting. <i>Oncolmmunology</i> , 2016, 5, e1136046.	4.6	17
65	Strategies to enhance transductional efficiency of adenoviral-based gene transfer to primary human fibroblasts and keratinocytes as a platform in dermal wounds. <i>Wound Repair and Regeneration</i> , 2006, 14, 608-617.	3.0	16
66	The Utility of a Tissue Slice Model System to Determine Breast Cancer Infectivity by Oncolytic Adenoviruses. <i>Journal of Surgical Research</i> , 2010, 163, 270-275.	1.6	16
67	Endocytic Selective Toxicity of Rhodamine 6G nanoGUMBOS in Breast Cancer Cells. <i>Molecular Pharmaceutics</i> , 2018, 15, 3837-3845.	4.6	16
68	Immunologic characterization of tumor markers in human ovarian cancer cell lines. <i>Journal of the Society for Gynecologic Investigation</i> , 1996, 3, 216-222.	1.7	16
69	¹⁷⁷ Lu-Labeled Eu-Doped Mesoporous SiO ₂ Nanoparticles as a Theranostic Radiopharmaceutical for Colorectal Cancer. <i>ACS Applied Nano Materials</i> , 2020, 3, 8691-8701.	5.0	15
70	Steroid 21-sulfatase activity in human placenta. <i>The Journal of Steroid Biochemistry</i> , 1983, 18, 575-579.	1.1	13
71	Topotecan Concomitant with Primary Brachytherapy Radiation in Patients with Cervical Carcinoma: A Phase I Trial. <i>Gynecologic Oncology</i> , 2001, 80, 128-131.	1.4	13
72	Efficacy of intraperitoneal adenovirus-mediated p53 gene therapy in ovarian cancer. <i>International Journal of Gynecological Cancer</i> , 1999, 9, 365-372.	2.5	12

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73	Rat Adenocarcinoma Cell Line Infected With an Adenovirus Carrying a Novel Herpes-Simplex Virus-Thymidine Kinase Suicide Gene Construct Dies by Apoptosis Upon Treatment with Ganciclovir. <i>Journal of Surgical Research</i> , 2007, 143, 189-194.	1.6	12
74	Combining high selectivity of replication via CXCR4 promoter with fiber chimerism for effective adenoviral oncolysis in breast cancer. <i>International Journal of Cancer</i> , 2007, 120, 935-941.	5.1	12
75	Effects of ATRA combined with citrus and ginger-derived compounds in human SCC xenografts. <i>BMC Cancer</i> , 2010, 10, 394.	2.6	12
76	MURINE rVEGF164b, AN INHIBITORY VEGF REDUCES VEGF-A DEPENDENT ENDOTHELIAL PROLIFERATION AND BARRIER DYSFUNCTION. <i>Microcirculation</i> , 2010, 17, no-no.	1.8	12
77	CXCL12 retargeting of an adenovirus vector to cancer cells using a bispecific adapter. <i>Oncolytic Virotherapy</i> , 2016, Volume 5, 99-113.	6.0	12
78	Advanced Generation Adenoviral Virotherapy Agents Embody Enhanced Potency Based upon CAR-Independent Tropism: Fig. 1.. <i>Clinical Cancer Research</i> , 2006, 12, 2651-2656.	7.0	11
79	Genetic Incorporation of Human Metallothionein into the Adenovirus Protein IX for Non-Invasive SPECT Imaging. <i>PLoS ONE</i> , 2011, 6, e16792.	2.5	11
80	Does Glutamine Supplementation Increase Radioresistance in Squamous Cell Carcinoma of the Cervix?. <i>Gynecologic Oncology</i> , 1998, 71, 359-363.	1.4	9
81	eIF4E-Targeted Suicide Gene Therapy in a Minimal Residual Mouse Model for Metastatic Soft-Tissue Head and Neck Squamous Cell Carcinoma Improves Disease-Free Survival. <i>Journal of Surgical Research</i> , 2008, 148, 83-89.	1.6	9
82	Effects of the tropical ginger compound, 1 α -acetoxychavicol acetate, against tumor promotion in K5.Stat3C transgenic mice. <i>Journal of Experimental and Clinical Cancer Research</i> , 2012, 31, 57.	8.6	9
83	Substrate-induced inactivation of argininosuccinate lyase by monofluorofumarate and difluorofumarate. <i>Biochemistry</i> , 1983, 22, 3729-3735.	2.5	8
84	Priming of immune responses against transporter associated with antigen processing (TAP)-deficient tumours: tumour direct priming. <i>Immunology</i> , 2009, 128, 420-428.	4.4	8
85	Establishment of a mammary carcinoma cell line from Syrian hamsters treated with N-methyl-N-nitrosourea. <i>Cancer Letters</i> , 2011, 312, 82-90.	7.2	8
86	Modulation of the Polycyclic Aromatic Hydrocarbon-Dependent Induction of Cytochrome P450 _{1a1} By Glucocorticoids. <i>Drug Metabolism Reviews</i> , 1989, 20, 585-599.	3.6	7
87	Experimental method and statistical analysis to fit tumor growth model using SPECT/CT imaging: a preclinical study. <i>Quantitative Imaging in Medicine and Surgery</i> , 2017, 7, 299-299.	2.0	7
88	Virotherapy using a novel chimeric oncolytic adenovirus prolongs survival in a human pancreatic cancer xenograft model. <i>Surgery</i> , 2012, 152, 441-448.	1.9	6
89	Characterization of an oncolytic adenovirus vector constructed to target the cMet receptor. <i>Oncolytic Virotherapy</i> , 2015, 4, 119.	6.0	6
90	Initial gene vector dosing for studying symptomatology of amyotrophic lateral sclerosis in non-human primates. <i>Journal of Medical Primatology</i> , 2015, 44, 66-75.	0.6	6

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91	Construction and Radiolabeling of Adenovirus Variants that Incorporate Human Metallothionein into Protein IX for Analysis of Biodistribution. <i>Molecular Imaging</i> , 2014, 13, 7290.2014.00022.	1.4	5
92	Hormonal regulation of the xenobiotic metabolizing enzymes. <i>Molecular and Cellular Endocrinology</i> , 1988, 60, 105-108.	3.2	4
93	Effect of B7.1 Costimulation on T-Cell Based Immunity against TAP-Negative Cancer Can Be Facilitated by TAP1 Expression. <i>PLoS ONE</i> , 2009, 4, e6385.	2.5	4
94	Synthesis and investigation of phthalocyanine-biotin conjugates. <i>Journal of Porphyrins and Phthalocyanines</i> , 2019, 23, 125-135.	0.8	4
95	CXCL12 Retargeting of an Oncolytic Adenovirus Vector to the Chemokine CXCR4 and CXCR7 Receptors in Breast Cancer. <i>Journal of Cancer Therapy</i> , 2021, 12, 311-336.	0.4	4
96	IL27 controls skin tumorigenesis via accumulation of ETAR-positive CD11b cells in the pre-malignant skin. <i>Oncotarget</i> , 2016, 7, 77138-77151.	1.8	4
97	Mechanistic studies of cytotoxic activity of the mesoionic compound MIH2.4Bl in MCF7 breast cancer cells. <i>Oncology Letters</i> , 2020, 20, 2291-2301.	1.8	4
98	Ovarian Tumors Display Persistent Microsatellite Instability Caused by Mutation in the Mismatch Repair Gene hMSH-2. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 1994, 59, 349-356.	1.1	3
99	In vivo Survivors of Transformed Mouse Ovarian Surface Epithelial Cells Display Diverse Phenotypes for Gene Expression and Tumorigenicity. <i>Tumor Biology</i> , 2008, 29, 359-370.	1.8	3
100	Gut sterilization in experimental colitis leukocyte mediated colon injury, and effects on angiogenesis/lymphangiogenesis. <i>Open Journal of Gastroenterology</i> , 2013, 03, 12-24.	0.1	3
101	A novel suicide gene therapy targeting the overexpression of eukaryotic initiation factor 4E improves survival in a rat peritoneal carcinomatosis model. <i>Surgery</i> , 2007, 142, 270-275.	1.9	2
102	Single fiber surface enhanced Raman scattering probe. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2017, 35, 06GF01.	1.2	2
103	Surface modification strategy based on the conjugation of NaYF4:5%Eu luminescent nanoprobe with organic aromatic compounds for application in bioimaging assays. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	1.9	2
104	Interaction of microsatellite instability and loss of heterozygosity in adenocarcinoma: multiple markers in adenocarcinoma: an introduction to Genetic changes in Slovenian patients with gastric adenocarcinoma evaluated in terms of microsatellite DNA™. <i>European Journal of Gastroenterology and Hepatology</i> , 2007, 19, 1038-1040.	1.6	1
105	Mixed isotope effects: Image quality in multimodality PET/SPECT preclinical imaging. , 2009, , .		1
106	836. Changes in Maturation Profiles of Dendritic Cells Transduced with a CD40-Targeted Adenoviral Vector. <i>Molecular Therapy</i> , 2006, 13, S323.	8.2	0
107	843. MicroPET Imaging of HSV-TK Activity To Assess Cancer-Specific Gene Expression Targeted at the Level of Protein Translation Initiation. <i>Molecular Therapy</i> , 2006, 13, S326.	8.2	0
108	Cytotoxic Activity of the Mesoionic Compound MIH 2.4Bl in Breast Cancer Cell Lines. <i>Breast Cancer: Basic and Clinical Research</i> , 2020, 14, 117822342091333.	1.1	0