Michael A Brehm

List of Publications by Year
in descending order

121 papers	8,968 citations	31976 53 h-index	43889 91 g-index
125 all docs	125 docs citations	125 times ranked	12580 citing authors

#	Article	IF	Citations
1	An RNAi therapeutic targeting hepatic DGAT2 in a genetically obese mouse model of nonalcoholic steatohepatitis. Molecular Therapy, 2022, 30, 1329-1342.	8.2	18
2	Modeling human T1D-associated autoimmune processes. Molecular Metabolism, 2022, 56, 101417.	6.5	13
3	Prostaglandin E2 stimulates cAMP signaling and resensitizes human leukemia cells to glucocorticoid-induced cell death. Blood, 2021, 137, 500-512.	1.4	9
4	877â€...PSGL-1 blocking antibodies repolarize tumor associated macrophages, reduce suppressive myeloid populations and induce inflammation in the tumor microenvironment, leading to suppression of tumor growth. , 2021, 9, A919-A919.		0
5	402.4: Genetic Approaches to Attain Hypo-immunogenic Human Stem Cell Derived Islets for Transplantation. Transplantation, 2021, 105, S28-S28.	1.0	0
6	Role of Interferonâ€Î³â€“Producing Th1 Cells in a Murine Model of Type I Interferonâ€“Independent Autoinflammation Resulting From DN ase II Deficiency. Arthritis and Rheumatology, 2020, 72, 359-370.	5.6	9
7	The HIV-Tat protein interacts with Sp3 transcription factor and inhibits its binding to a distal site of the sod2 promoter in human pulmonary artery endothelial cells. Free Radical Biology and Medicine, 2020, 147, 102-113.	2.9	1
8	62. PRESENCE OF EXTRACRANIAL TUMORS INFLUENCES RESPONSE TO IMMUNE CHECKPOINT INHIBITORS IN A PRE-CLINICAL MODEL OF MELANOMA BRAIN METASTASIS. Neuro-Oncology Advances, 2020, 2, ii13-ii13.	0.7	1
9	Modeling Type 1 Diabetes InÂVitro Using Human Pluripotent Stem Cells. Cell Reports, 2020, 32, 107894.	6.4	55
10	A rapid, sensitive, and reproducible in vivo PBMC humanized murine model for determining therapeuticâ€related cytokine release syndrome. FASEB Journal, 2020, 34, 12963-12975.	0.5	28
11	Proteomic and Transcriptional Profiles of Human Stem Cell-Derived Î² Cells Following Enteroviral Challenge. Microorganisms, 2020, 8, 295.	3.6	6
12	Innovations, challenges, and minimal information for standardization of humanized mice. EMBO Molecular Medicine, 2020, 12, e8662.	6.9	82
13	TMOD-05. EXTRACRANIAL TUMORS INFLUENCE INTRACRANIAL RESPONSE TO IMMUNE CHECKPOINT INHIBITORS IN PRE-CLINICAL MODELS OF MELANOMA BRAIN METASTASIS. Neuro-Oncology, 2020, 22, ii228-ii228.	1.2	2
14	862â€...Targeting PSGL-1, a novel macrophage checkpoint, repolarizes suppressive macrophages, induces an inflammatory tumor microenvironment, and suppresses tumor growth. , 2020, , .		3
15	AK002, a Humanized Sialic Acid-Binding Immunoglobulin-Like Lectin-8 Antibody that Induces Antibody-Dependent Cell-Mediated Cytotoxicity against Human Eosinophils and Inhibits Mast Cell-Mediated Anaphylaxis in Mice. International Archives of Allergy and Immunology, 2019, 180, 91-102.	2.1	81
16	Genome-wide Analysis of Salmonella enterica serovar Typhi in Humanized Mice Reveals Key Virulence Features. Cell Host and Microbe, 2019, 26, 426-434.e6.	11.0	42
17	Kaposi Sarcoma-Associated Herpesvirus Glycoprotein H Is Indispensable for Infection of Epithelial, Endothelial, and Fibroblast Cell Types. Journal of Virology, 2019, 93, .	3.4	13
18	Prosurvival kinase PIM2 is a therapeutic target for eradication of chronic myeloid leukemia stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10482-10487.	7.1	10

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19	Humanized mouse models of immunological diseases and precision medicine. Mammalian Genome, 2019, 30, 123-142.	2.2	76
20	Creation of PDX-Bearing Humanized Mice to Study Immuno-oncology. Methods in Molecular Biology, 2019, 1953, 241-252.	0.9	46
21	Human Antiâ€“HIV-1 gp120 Monoclonal Antibodies with Neutralizing Activity Cloned from Humanized Mice Infected with HIV-1. Journal of Immunology, 2019, 202, 799-804.	0.8	5
22	Cutting Edge: Early Attrition of Memory T Cells during Inflammation and Costimulation Blockade Is Regulated Concurrently by Proapoptotic Proteins Fas and Bim. Journal of Immunology, 2019, 202, 647-651.	0.8	4
23	Lack of acute xenogeneic graftâ€versusâ€host disease, but retention of Tâ€cell function following engraftment of human peripheral blood mononuclear cells in NSG mice deficient in MHC class I and II expression. FASEB Journal, 2019, 33, 3137-3151.	0.5	99
24	A donor-dependent in vivo model for single agent and drug combination cytokine release syndrome safety evaluation.. Journal of Clinical Oncology, 2019, 37, 2612-2612.	1.6	0
25	Gene Therapy with an Adeno-Associated Viral Vector Expressing Human Interleukin-2 Alters Immune System Homeostasis in Humanized Mice. Human Gene Therapy, 2018, 29, 352-365.	2.7	15
26	Humanized mice in studying efficacy and mechanisms of PDâ€1â€targeted cancer immunotherapy. FASEB Journal, 2018, 32, 1537-1549.	0.5	260
27	A novel hemolytic complement-sufficient NSG mouse model supports studies of complement-mediated antitumor activity in vivo. Journal of Immunological Methods, 2017, 446, 47-53.	1.4	18
28	Humanized Mouse Models of Clinical Disease. Annual Review of Pathology: Mechanisms of Disease, 2017, 12, 187-215.	22.4	437
29	Survival Advantage of Both Human Hepatocyte Xenografts and Genome-Edited Hepatocytes for Treatment of Î±-1 Antitrypsin Deficiency. Molecular Therapy, 2017, 25, 2477-2489.	8.2	62
30	Alloimmune Responses of Humanized Mice to Human Pluripotent Stem Cell Therapeutics. Cell Reports, 2017, 20, 1978-1990.	6.4	31
31	mRNA-mediated glycoengineering ameliorates deficient homing of human stem cellâ€“derived hematopoietic progenitors. Journal of Clinical Investigation, 2017, 127, 2433-2437.	8.2	23
32	Genetically modified human <scp>CD</scp>4⁺ T cells can be evaluated inÂvivo without lethal graftâ€versusâ€host disease. Immunology, 2016, 148, 339-351.	4.4	9
33	Inflammation Mediated by JNK in Myeloid Cells Promotes the Development of Hepatitis and Hepatocellular Carcinoma. Cell Reports, 2016, 15, 19-26.	6.4	62
34	Humanized mouse model of mast cellâ€“mediated passive cutaneous anaphylaxis and passive systemic anaphylaxis. Journal of Allergy and Clinical Immunology, 2016, 138, 769-779.	2.9	80
35	Improved B cell development in humanized NODâ€scid IL2RÎ³^{null} mice transgenically expressing human stem cell factor, granulocyteâ€macrophage colonyâ€stimulating factor and interleukinâ€3. Immunity, Inflammation and Disease, 2016, 4, 427-440.	2.7	97
36	In vivo correction of anaemia in Î²-thalassemic mice by Î³PNA-mediated gene editing with nanoparticle delivery. Nature Communications, 2016, 7, 13304.	12.8	143

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37	Generation of Immunodeficient Mice Bearing Human Immune Systems by the Engraftment of Hematopoietic Stem Cells. Methods in Molecular Biology, 2016, 1438, 67-78.	0.9	29
38	Human 'brite/beige' adipocytes develop from capillary networks, and their implantation improves metabolic homeostasis in mice. Nature Medicine, 2016, 22, 312-318.	30.7	267
39	IRF4 Regulates the Ratio of T-Bet to Eomesodermin in CD8+ T Cells Responding to Persistent LCMV Infection. PLoS ONE, 2015, 10, e0144826.	2.5	16
40	Animal Models for Alopecia Areata: What and Where?. Journal of Investigative Dermatology Symposium Proceedings, 2015, 17, 23-26.	0.8	15
41	Viral Infection of Engrafted Human Islets Leads to Diabetes. Diabetes, 2015, 64, 1358-1369.	0.6	41
42	The Presence and Preferential Activation of Regulatory T Cells Diminish Adoptive Transfer of Autoimmune Diabetes by Polyclonal Nonobese Diabetic (NOD) T Cell Effectors into NSG versus NOD-scid Mice. Journal of Immunology, 2015, 195, 3011-3019.	0.8	14
43	Retroviruses use CD169-mediated trans-infection of permissive lymphocytes to establish infection. Science, 2015, 350, 563-567.	12.6	155
44	Efficient and Targeted Transduction of Nonhuman Primate Liver With Systemically Delivered Optimized AAV3B Vectors. Molecular Therapy, 2015, 23, 1867-1876.	8.2	73
45	Dengue virus infection induces broadly cross-reactive human IgM antibodies that recognize intact virions in humanized BLT-NSG mice. Experimental Biology and Medicine, 2015, 240, 67-78.	2.4	38
46	Patient-Derived Xenografts (PDX) of B Cell Lymphoma in NSG Mice: A Mouse Avatar for Developing Personalized Medicine. Blood, 2015, 126, 5408-5408.	1.4	4
47	Enhanced Enrichment and Purification of Blood-Derived T-Cells Using a Novel Hydrogel Technology. Blood, 2015, 126, 5437-5437.	1.4	0
48	Graded Levels of IRF4 Regulate CD8+ T Cell Differentiation and Expansion, but Not Attrition, in Response to Acute Virus Infection. Journal of Immunology, 2014, 192, 5881-5893.	0.8	99
49	c-Myc inhibition prevents leukemia initiation in mice and impairs the growth of relapsed and induction failure pediatric T-ALL cells. Blood, 2014, 123, 1040-1050.	1.4	129
50	An epigenetic mechanism of resistance to targeted therapy in T cell acute lymphoblastic leukemia. Nature Genetics, 2014, 46, 364-370.	21.4	333
51	Generation of improved humanized mouse models for human infectious diseases. Journal of Immunological Methods, 2014, 410, 3-17.	1.4	124
52	MHC basis of T cell-dependent heterologous immunity to arenaviruses. Virology, 2014, 464-465, 213-217.	2.4	5
53	Immunodeficient Mouse Model for Human Hematopoietic Stem Cell Engraftment and Immune System Development. Methods in Molecular Biology, 2014, 1185, 267-278.	0.9	32
54	Generation of islet-like cells from mouse gall bladder by direct ex vivo reprogramming. Stem Cell Research, 2013, 11, 503-515.	0.7	44

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55	Generation of organized anterior foregut epithelia from pluripotent stem cells using small molecules. Stem Cell Research, 2013, 11, 1003-1012.	0.7	34
56	Overcoming Current Limitations in Humanized Mouse Research. Journal of Infectious Diseases, 2013, 208, S125-S130.	4.0	127
57	Engrafted human cells generate adaptive immune responses to Mycobacterium bovis BCG infection in humanized mice. BMC Immunology, 2013, 14, 53.	2.2	41
58	Human immune system development and survival of non-obese diabetic (NOD)-scid IL2rÎ³null (NSG) mice engrafted with human thymus and autologous haematopoietic stem cells. Clinical and Experimental Immunology, 2013, 174, 372-388.	2.6	101
59	Alloreactive <scp>CD</scp>8 <scp>T</scp> cells rescued from apoptosis during coâ€stimulation blockade by <scp>T</scp>ollâ€like receptor stimulation remain susceptible to <scp>F</scp>asâ€induced cell death. Immunology, 2013, 138, 322-332.	4.4	5
60	Humanized mice for the study of infectious diseases. Current Opinion in Immunology, 2013, 25, 428-435.	5.5	59
61	Durable Knockdown and Protection From HIV Transmission in Humanized Mice Treated With Gel-formulated CD4 Aptamer-siRNA Chimeras. Molecular Therapy, 2013, 21, 1378-1389.	8.2	70
62	Site-specific Genome Editing in PBMCs With PLGA Nanoparticle-delivered PNAs Confers HIV-1 Resistance in Humanized Mice. Molecular Therapy - Nucleic Acids, 2013, 2, e135.	5.1	37
63	Salicylate Prevents Virus-Induced Type 1 Diabetes in the BBDR Rat. PLoS ONE, 2013, 8, e78050.	2.5	8
64	Human allograft rejection in humanized mice: a historical perspective. Cellular and Molecular Immunology, 2012, 9, 225-231.	10.5	33
65	Advancing Animal Models of Human Type 1 Diabetes by Engraftment of Functional Human Tissues in Immunodeficient Mice. Cold Spring Harbor Perspectives in Medicine, 2012, 2, a007757-a007757.	6.2	30
66	Engraftment of human HSCs in nonirradiated newborn NOD-scid IL2rÎ³null mice is enhanced by transgenic expression of membrane-bound human SCF. Blood, 2012, 119, 2778-2788.	1.4	76
67	T-cell activation and transplantation tolerance. Transplantation Reviews, 2012, 26, 212-222.	2.9	25
68	Humanized mice for immune system investigation: progress, promise and challenges. Nature Reviews Immunology, 2012, 12, 786-798.	22.7	851
69	The Blk pathway functions as a tumor suppressor in chronic myeloid leukemia stem cells. Nature Genetics, 2012, 44, 861-871.	21.4	69
70	Enhanced humoral and HLAâ€A2â€restricted dengue virusâ€specific Tâ€cell responses in humanized BLT NSG mice. Immunology, 2012, 136, 334-343.	4.4	88
71	Hyperglycemia-Induced Proliferation of Adult Human Beta Cells Engrafted Into Spontaneously Diabetic Immunodeficient NOD-Rag1null IL2rÎ³null Ins2Akita Mice. Pancreas, 2011, 40, 1147-1149.	1.1	20
72	Human peripheral blood CD4 T cell-engrafted non-obese diabetic-scid IL2rÎ³null H2-Ab1 tm1GruTg (human leucocyte antigen D-related 4) mice: a mouse model of human allogeneic graft-versus-host disease. Clinical and Experimental Immunology, 2011, 166, 269-280.	2.6	88

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73	Humanized mice for the study of type 1 and type 2 diabetes. Annals of the New York Academy of Sciences, 2011, 1245, 55-58.	3.8	25
74	Humanized mice as a preclinical tool for infectious disease and biomedical research. Annals of the New York Academy of Sciences, 2011, 1245, 50-54.	3.8	59
75	Dynamic glucoregulation and mammalian-like responses to metabolic and developmental disruption in zebrafish. General and Comparative Endocrinology, 2011, 170, 334-345.	1.8	96
76	Biâ€specific MHC Heterodimers for Characterization of Crossâ€reactive T Cells. FASEB Journal, 2011, 25, .	0.5	0
77	NOD-scid IL2rÎ³null Mouse Model of Human Skin Transplantation and Allograft Rejection. Transplantation, 2010, 89, 527-536.	1.0	69
78	Humanized mouse models to study human diseases. Current Opinion in Endocrinology, Diabetes and Obesity, 2010, 17, 120-125.	2.3	152
79	Parameters for establishing humanized mouse models to study human immunity: Analysis of human hematopoietic stem cell engraftment in three immunodeficient strains of mice bearing the IL2rÎ³null mutation. Clinical Immunology, 2010, 135, 84-98.	3.2	225
80	Allografts Stimulate Cross-Reactive Virus-Specific Memory CD8 T Cells with Private Specificity. American Journal of Transplantation, 2010, 10, 1738-1748.	4.7	33
81	Heterologous immunity between viruses. Immunological Reviews, 2010, 235, 244-266.	6.0	272
82	Maturation-Dependent Licensing of Naive T Cells for Rapid TNF Production. PLoS ONE, 2010, 5, e15038.	2.5	35
83	Human Immune System Development and Rejection of Human Islet Allografts in Spontaneously Diabetic NOD-Rag1null IL2rÎ³nullâ€ˆIns2Akita Mice. Diabetes, 2010, 59, 2265-2270.	0.6	68
84	Bi-specific MHC Heterodimers for Characterization of Cross-reactive T Cells*. Journal of Biological Chemistry, 2010, 285, 33144-33153.	3.4	9
85	CD8 T Cell Cross-Reactivity Networks Mediate Heterologous Immunity in Human EBV and Murine Vaccinia Virus Infections. Journal of Immunology, 2010, 184, 2825-2838.	0.8	75
86	Humanized nonobese diabetic-scid IL2rÎ³^{null}mice are susceptible to lethalSalmonellaTyphi infection. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15589-15594.	7.1	122
87	Development of Novel Major Histocompatibility Complex Class I and Class II-Deficient NOD-SCID IL2R Gamma Chain Knockout Mice for Modeling Human Xenogeneic Graft-Versus-Host Disease. Methods in Molecular Biology, 2010, 602, 105-117.	0.9	39
88	CHOP Mediates Endoplasmic Reticulum Stress-Induced Apoptosis in Gimap5-Deficient T Cells. PLoS ONE, 2009, 4, e5468.	2.5	46
89	Idd Loci Synergize to Prolong Islet Allograft Survival Induced by Costimulation Blockade in NOD Mice. Diabetes, 2009, 58, 165-173.	0.6	14
90	TLR Agonists Prevent the Establishment of Allogeneic Hematopoietic Chimerism in Mice Treated with Costimulation Blockade. Journal of Immunology, 2009, 182, 5547-5559.	0.8	15

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91	Cutting Edge:Dab2Is a FOXP3 Target Gene Required for Regulatory T Cell Function. Journal of Immunology, 2009, 183, 4192-4196.	0.8	29
92	TLR Agonists Abrogate Co-stimulation Blockade-Induced Mixed Chimerism and Transplantation Tolerance. Annals of the New York Academy of Sciences, 2008, 1150, 149-151.	3.8	6
93	Type 1 IFN Mediates Cross-Talk between Innate and Adaptive Immunity That Abrogates Transplantation Tolerance. Journal of Immunology, 2007, 179, 6620-6629.	0.8	65
94	Protection against Vaccinia Virus Challenge by CD8 Memory T Cells Resolved by Molecular Mimicry. Journal of Virology, 2007, 81, 934-944.	3.4	34
95	Frontiers in Nephrology: Heterologous Immunity, T Cell Cross-Reactivity, and Alloreactivity. Journal of the American Society of Nephrology: JASN, 2007, 18, 2268-2277.	6.1	35
96	Rapid quantification of naive alloreactive T cells by TNF-Î± production and correlation with allograft rejection in mice. Blood, 2007, 109, 819-826.	1.4	25
97	Memory of mice and men: CD8 + Tâ€cell crossâ€reactivity and heterologous immunity. Immunological Reviews, 2006, 211, 164-181.	6.0	168
98	TLR Agonists Abrogate Costimulation Blockade-Induced Prolongation of Skin Allografts. Journal of Immunology, 2006, 176, 1561-1570.	0.8	122
99	Transgenic Expression of the Viral FLIP MC159 Causeslpr/gld-Like Lymphoproliferation and Autoimmunity. Journal of Immunology, 2006, 177, 3814-3820.	0.8	13
100	Tec Kinases Itk and Rlk Are Required for CD8+T Cell Responses to Virus Infection Independent of Their Role in CD4+T Cell Help. Journal of Immunology, 2006, 176, 1571-1581.	0.8	68
101	Endoplasmic reticulum aminopeptidase 1 (ERAP1) trims MHC class I-presented peptides in vivo and plays an important role in immunodominance. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 9202-9207.	7.1	171
102	Partial versus Full Allogeneic Hemopoietic Chimerization Is a Preferential Means to Inhibit Type 1 Diabetes as the Latter Induces Generalized Immunosuppression. Journal of Immunology, 2006, 177, 6675-6684.	0.8	26
103	Narrowed TCR repertoire and viral escape as a consequence of heterologous immunity. Journal of Clinical Investigation, 2006, 116, 1443-1456.	8.2	126
104	Rapid Conversion of Effector Mechanisms from NK to T Cells during Virus-Induced Lysis of Allogeneic Implants In Vivo. Journal of Immunology, 2005, 174, 6663-6671.	0.8	27
105	Rapid Production of TNF-Î± following TCR Engagement of Naive CD8 T Cells. Journal of Immunology, 2005, 175, 5043-5049.	0.8	89
106	Preapoptotic Phenotype of Viral Epitope-Specific CD8 T Cells Precludes Memory Development and Is an Intrinsic Property of the Epitope. Journal of Immunology, 2004, 173, 5138-5147.	0.8	18
107	CD8 T cell responses to viral infections in sequence. Cellular Microbiology, 2004, 6, 411-421.	2.1	33
108	CD8 memory T cells: cross-reactivity and heterologous immunity. Seminars in Immunology, 2004, 16, 335-347.	5.6	112

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109	Virus-Specific CD8 T Cells in Peripheral Tissues Are More Resistant to Apoptosis Than Those in Lymphoid Organs. Immunity, 2003, 18, 631-642.	14.3	80
110	Direct Visualization of Cross-Reactive Effector and Memory Allo-Specific CD8 T Cells Generated in Response to Viral Infections. Journal of Immunology, 2003, 170, 4077-4086.	0.8	125
111	Dynamics of Memory T Cell Proliferation Under Conditions of Heterologous Immunity and Bystander Stimulation. Journal of Immunology, 2002, 169, 90-98.	0.8	84
112	Heterologous immunity and the CD8 T cell network. Seminars in Immunopathology, 2002, 24, 149-168.	4.0	4
113	T cell immunodominance and maintenance of memory regulated by unexpectedly cross-reactive pathogens. Nature Immunology, 2002, 3, 627-634.	14.5	236
114	Memory CD8+ T cells in heterologous antiviral immunity and immunopathology in the lung. Nature Immunology, 2001, 2, 1067-1076.	14.5	236
115	Attrition of Bystander CD8 T Cells during Virus-Induced T-Cell and Interferon Responses. Journal of Virology, 2001, 75, 5965-5976.	3.4	181
116	Consequences of Cross-Reactive and Bystander CTL Responses during Viral Infections. Virology, 2000, 270, 4-8.	2.4	33
117	Virus-Induced Abrogation of Transplantation Tolerance Induced by Donor-Specific Transfusion and Anti-CD154 Antibody. Journal of Virology, 2000, 74, 2210-2218.	3.4	135
118	Immunogenicity of Herpes Simplex Virus Type 1 Mutants Containing Deletions in One or More Î±-Genes: ICP4, ICP27, ICP22, and ICP0. Virology, 1999, 256, 258-269.	2.4	30
119	Immunization with a Single Major Histocompatibility Complex Class I-Restricted Cytotoxic T-Lymphocyte Recognition Epitope of Herpes Simplex Virus Type 2 Confers Protective Immunity. Journal of Virology, 1998, 72, 9567-9574.	3.4	105
120	The impact of psychological stress on the efficacy of anti-viral adoptive immunotherapy in an immunocompromised host. Journal of Neuroimmunology, 1997, 78, 19-33.	2.3	25
121	Acquired Immunity against Virus Infections. , 0, , 237-254.		1