

Randy R Brutkiewicz

List of Publications by Year in descending order

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89
papers

5,204
citations

94415

37
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85537

71
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113
all docs

113
docs citations

113
times ranked

4657
citing authors

#	ARTICLE	IF	CITATIONS
1	CD1 Recognition by Mouse NK1 ⁺ T Lymphocytes. <i>Science</i> , 1995, 268, 863-865.	12.6	831
2	Natural Ligand of Mouse CD1d1: Cellular Glycosylphosphatidylinositol. <i>Science</i> , 1998, 279, 1541-1544.	12.6	371
3	Cell wall glycosphingolipids of <i>Sphingomonas paucimobilis</i> are CD1d-specific ligands for NKT cells. <i>European Journal of Immunology</i> , 2005, 35, 1692-1701.	2.9	283
4	Lamp-2a Facilitates MHC Class II Presentation of Cytoplasmic Antigens. <i>Immunity</i> , 2005, 22, 571-581.	14.3	273
5	Impaired Assembly yet Normal Trafficking of MHC Class I Molecules in Tapasin Mutant Mice. <i>Immunity</i> , 2000, 13, 213-222.	14.3	208
6	CD1d Ligands: The Good, the Bad, and the Ugly. <i>Journal of Immunology</i> , 2006, 177, 769-775.	0.8	166
7	Evidence for Immune Responses to a Self-Antigen in Lung Transplantation: Role of Type V Collagen-Specific T Cells in the Pathogenesis of Lung Allograft Rejection. <i>Journal of Immunology</i> , 2002, 169, 1542-1549.	0.8	160
8	Type I NKT cells protect (and type II NKT cells suppress) the host's innate antitumor immune response to a B-cell lymphoma. <i>Blood</i> , 2008, 111, 5637-5645.	1.4	152
9	TAP-independent, beta 2-microglobulin-dependent surface expression of functional mouse CD1.1.. <i>Journal of Experimental Medicine</i> , 1995, 182, 1913-1919.	8.5	147
10	Defective presentation of the CD1d1-restricted natural Va14Ja18 NKT lymphocyte antigen caused by α -D-glucosylceramide synthase deficiency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 1849-1854.	7.1	142
11	Heterosubtypic Immunity to Influenza A Virus in Mice Lacking IgA, All Ig, NKT Cells, or $\gamma\delta$ T Cells. <i>Journal of Immunology</i> , 2001, 166, 7437-7445.	0.8	127
12	Recycling CD1d1 Molecules Present Endogenous Antigens Processed in an Endocytic Compartment to NKT Cells. <i>Journal of Immunology</i> , 2002, 168, 5409-5414.	0.8	121
13	Lipid Protein Interactions: The Assembly of CD1d1 with Cellular Phospholipids Occurs in the Endoplasmic Reticulum. <i>Journal of Immunology</i> , 2002, 168, 723-733.	0.8	108
14	Selective Loss of Natural Killer T Cells by Apoptosis following Infection with Lymphocytic Choriomeningitis Virus. <i>Journal of Virology</i> , 2001, 75, 10746-10754.	3.4	95
15	Natural killer T (NKT) cells and their role in antitumor immunity. <i>Critical Reviews in Oncology/Hematology</i> , 2002, 41, 287-298.	4.4	95
16	Multiple Antigen-Specific Processing Pathways for Activating Naive CD8+ T Cells In Vivo. <i>Journal of Immunology</i> , 2001, 166, 4355-4362.	0.8	85
17	CD1d-Expressing Breast Cancer Cells Modulate NKT Cell-Mediated Antitumor Immunity in a Murine Model of Breast Cancer Metastasis. <i>PLoS ONE</i> , 2011, 6, e20702.	2.5	85
18	Inhibition of glycolipid shedding rescues recognition of a CD1+ T cell lymphoma by natural killer T (NKT) cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 8197-8202.	7.1	84

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19	Impaired cell surface expression of human CD1d by the formation of an HIV-1 Nef/CD1d complex. <i>Virology</i> , 2005, 337, 242-252.	2.4	80
20	Virus-Induced Inhibition of CD1d1-Mediated Antigen Presentation: Reciprocal Regulation by p38 and ERK. <i>Journal of Immunology</i> , 2005, 175, 4301-4308.	0.8	79
21	Myeloid marker expression on antiviral CD8 ⁺ T _H 1 cells following an acute virus infection. <i>European Journal of Immunology</i> , 2003, 33, 2736-2743.	2.9	65
22	Vaccinia Virus Blocks Stat1-Dependent and Stat1-Independent Gene Expression Induced by Type I and Type II Interferons. <i>Journal of Interferon and Cytokine Research</i> , 2008, 28, 367-380.	1.2	60
23	An efferocytosis-induced, IL-4-dependent macrophage-iNKT cell circuit suppresses sterile inflammation and is defective in murine CGD. <i>Blood</i> , 2013, 121, 3473-3483.	1.4	60
24	Inhibition of antitumor immunity by invariant natural killer T cells in a T-cell lymphoma model in vivo. <i>International Journal of Cancer</i> , 2006, 118, 3045-3053.	5.1	58
25	CD1d1-Dependent Control of the Magnitude of an Acute Antiviral Immune Response. <i>Journal of Immunology</i> , 2004, 172, 3454-3461.	0.8	54
26	Regulation of Th2 Cytokine Expression in NKT Cells: Unconventional Use of Stat6, GATA-3, and NFAT2. <i>Journal of Immunology</i> , 2006, 176, 880-888.	0.8	52
27	Disruption of MHC Class II-Restricted Antigen Presentation by Vaccinia Virus. <i>Journal of Immunology</i> , 2005, 175, 6481-6488.	0.8	50
28	Tc17 Cells Are Capable of Mediating Immunity to Vaccinia Virus by Acquisition of a Cytotoxic Phenotype. <i>Journal of Immunology</i> , 2010, 185, 2089-2098.	0.8	49
29	Ability of sera from mice treated with Ge-132, an organic germanium compound, to inhibit experimental murine ascites tumours. <i>British Journal of Cancer</i> , 1985, 52, 757-763.	6.4	46
30	Long-term loss of canonical NKT cells following an acute virus infection. <i>European Journal of Immunology</i> , 2005, 35, 879-889.	2.9	45
31	Multispecific targeting of glioblastoma with tumor microenvironment-responsive multifunctional engineered NK cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	45
32	CD1d-Mediated Antigen Presentation to Natural Killer T (NKT) Cells. <i>Critical Reviews in Immunology</i> , 2003, 23, 403-419.	0.5	44
33	Inhibition of CD1d1-mediated antigen presentation by the vaccinia virus B1R and H5R molecules. <i>European Journal of Immunology</i> , 2006, 36, 2595-2600.	2.9	43
34	Thymic selection pathway regulates the effector function of CD4 T cells. <i>Journal of Experimental Medicine</i> , 2007, 204, 2145-2157.	8.5	42
35	Role of 4-1BB (CD137) in the functional activation of cord blood CD28 ^{hi} CD8 ⁺ T cells. <i>Blood</i> , 2002, 100, 3253-3260.	1.4	41
36	BATF Transgenic Mice Reveal a Role for Activator Protein-1 in NKT Cell Development. <i>Journal of Immunology</i> , 2003, 170, 2417-2426.	0.8	41

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37	Cell Signaling Pathways That Regulate Antigen Presentation. <i>Journal of Immunology</i> , 2016, 197, 2971-2979.	0.8	39
38	CD44 Differentially Activates Mouse NK T Cells and Conventional T Cells. <i>Journal of Immunology</i> , 2006, 177, 268-279.	0.8	37
39	Generation of cellular immunity to lymphocytic choriomeningitis virus is independent of CD1d1 expression. <i>Immunology</i> , 2001, 104, 168-174.	4.4	35
40	Vaccinia virus infection induces dendritic cell maturation but inhibits antigen presentation by MHC class II. <i>Cellular Immunology</i> , 2007, 246, 92-102.	3.0	35
41	STAT3-dependent IL-21 production from T helper cells regulates hematopoietic progenitor cell homeostasis. <i>Blood</i> , 2011, 117, 6198-6201.	1.4	35
42	Human immunodeficiency virus gp120 downregulates CD1d cell surface expression. <i>Immunology Letters</i> , 2005, 98, 131-135.	2.5	34
43	Reduction in CD1d expression on dendritic cells and macrophages by an acute virus infection. <i>Journal of Leukocyte Biology</i> , 2005, 77, 151-158.	3.3	32
44	The Toll-like receptor 9 signalling pathway regulates MR-mediated bacterial antigen presentation in B cells. <i>Immunology</i> , 2017, 152, 232-242.	4.4	31
45	The Complexity of Microglial Interactions With Innate and Adaptive Immune Cells in Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 592359.	3.4	31
46	A Threonine-Based Targeting Signal in the Human CD1d Cytoplasmic Tail Controls Its Functional Expression. <i>Journal of Immunology</i> , 2010, 184, 4973-4981.	0.8	28
47	Vesicular Stomatitis Virus Matrix Protein Impairs CD1d-Mediated Antigen Presentation through Activation of the p38 MAPK Pathway. <i>Journal of Virology</i> , 2008, 82, 12535-12542.	3.4	27
48	Alterations in cellular metabolism modulate CD1d-mediated NKT-cell responses. <i>Pathogens and Disease</i> , 2016, 74, ftw055.	2.0	27
49	Regulation of the Actin Cytoskeleton by Rho Kinase Controls Antigen Presentation by CD1d. <i>Journal of Immunology</i> , 2012, 189, 1689-1698.	0.8	26
50	Anthrax Lethal Toxin Impairs CD1d-Mediated Antigen Presentation by Targeting the Extracellular Signal-Related Kinase 1/2 Mitogen-Activated Protein Kinase Pathway. <i>Infection and Immunity</i> , 2010, 78, 1859-1863.	2.2	22
51	A role for natural killer T cells and CD1d molecules in counteracting suppression of hematopoiesis in mice induced by infection with murine cytomegalovirus. <i>Experimental Hematology</i> , 2007, 35, 87-93.	0.4	21
52	Statins Impair CD1d-Mediated Antigen Presentation through the Inhibition of Prenylation. <i>Journal of Immunology</i> , 2009, 182, 4744-4750.	0.8	20
53	Protein kinase C δ is a critical regulator of CD1d-mediated antigen presentation. <i>European Journal of Immunology</i> , 2007, 37, 2390-2395.	2.9	16
54	Importance of N-linked glycosylation in the functional expression of murine CD1d1. <i>Immunology</i> , 2007, 123, 070831060847002-???	4.4	16

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55	DIVERSIFYING BIOMEDICAL TRAINING: A SYNERGISTIC INTERVENTION. <i>Journal of Women and Minorities in Science and Engineering</i> , 2010, 16, 215-235.	0.8	14
56	A T/Ser dual residue motif in the cytoplasmic tail of human CD1d is important for the down-regulation of antigen presentation following a herpes simplex virus 1 infection. <i>Immunology</i> , 2013, 140, 191-201.	4.4	13
57	Immune evasion of the CD1d/NKT cell axis. <i>Current Opinion in Immunology</i> , 2018, 52, 87-92.	5.5	13
58	CD1d expression on and regulation of murine hematopoietic stem and progenitor cells. <i>Blood</i> , 2012, 119, 5731-5741.	1.4	10
59	STAT3 promotes CD1d-mediated lipid antigen presentation by regulating a critical gene in glycosphingolipid biosynthesis. <i>Immunology</i> , 2015, 146, 444-455.	4.4	10
60	A VP22-Null HSV-1 Is Impaired in Inhibiting CD1d-Mediated Antigen Presentation. <i>Viral Immunology</i> , 2016, 29, 409-416.	1.3	10
61	Brain astrocytes and microglia express functional MR1 molecules that present microbial antigens to mucosal-associated invariant T (MAIT) cells. <i>Journal of Neuroimmunology</i> , 2020, 349, 577428.	2.3	10
62	Critical Role of NKT Cells in Posttransplant Alloantibody Production. <i>American Journal of Transplantation</i> , 2014, 14, 2491-2499.	4.7	9
63	Research faculty development: an historical perspective and ideas for a successful future. <i>Advances in Health Sciences Education</i> , 2012, 17, 259-268.	3.3	8
64	Neurofibromin 1 Impairs Natural Killer T-Cell-Dependent Antitumor Immunity against a T-Cell Lymphoma. <i>Frontiers in Immunology</i> , 2017, 8, 1901.	4.8	8
65	MR1 Tetramer-Based Artificial APCs Expand MAIT Cells from Human Peripheral Blood That Effectively Kill Glioblastoma Cells. <i>ImmunoHorizons</i> , 2021, 5, 500-511.	1.8	8
66	Genetic engineering of porcine endothelial cell lines for evaluation of human-to-pig xenoreactive immune responses. <i>Scientific Reports</i> , 2021, 11, 13131.	3.3	8
67	Lack of correlation between antitumour response and serum interferon levels in mice treated with SSM, an immunotherapeutic anticancer agent. <i>British Journal of Cancer</i> , 1986, 53, 567-570.	6.4	7
68	Inhibition of CD1d-mediated antigen presentation by the transforming growth factor- β /Smad signalling pathway. <i>Immunology</i> , 2014, 143, 679-691.	4.4	7
69	JNK2 modulates the CD1d-dependent and -independent activation of iNKT cells. <i>European Journal of Immunology</i> , 2019, 49, 255-265.	2.9	7
70	MR1 overexpression correlates with poor clinical prognosis in glioma patients. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab034.	0.7	7
71	Development of a Quantitative Cell-Based Intracellular ELISA for the Screening of B Cell Hybridoma Supernatants: A Novel Rapid Assay to Detect Positive Clones. <i>Hybridoma</i> , 2004, 23, 373-379.	0.4	6
72	A Potent CD1d-binding Glycolipid for iNKT-Cell-based Therapy Against Human Breast Cancer. <i>Anticancer Research</i> , 2019, 39, 549-555.	1.1	6

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73	The monoclonal antibody CZ-1 identifies a mouse CD45-associated epitope expressed on interleukin-2-responsive cells. <i>European Journal of Immunology</i> , 1993, 23, 2427-2433.	2.9	5
74	Apoptosis-induced inhibition of CD1d-mediated antigen presentation: different roles for caspases and signal transduction pathways. <i>Immunology</i> , 2008, 125, 80-90.	4.4	5
75	MHC class II-expressing thymocytes suppress invariant NKT cell development. <i>Immunology and Cell Biology</i> , 2009, 87, 186-189.	2.3	5
76	Allergic Airway Disease in Mice Alters T and B Cell Responses during an Acute Respiratory Poxvirus Infection. <i>PLoS ONE</i> , 2013, 8, e62222.	2.5	5
77	Donor Lung Derived Myeloid and Plasmacytoid Dendritic Cells Differentially Regulate T Cell Proliferation and Cytokine Production. <i>Respiratory Research</i> , 2012, 13, 25.	3.6	4
78	Sex discrepancy in the reduction of mucosal-associated invariant T cells caused by obesity. <i>Immunity, Inflammation and Disease</i> , 2021, 9, 299-309.	2.7	4
79	Role for IL-4 nonproducing NKT cells in CCL20-induced Th2 cell generation. <i>Immunology and Cell Biology</i> , 2006, 84, 44-50.	2.3	3
80	Forming a Complex with MHC Class I Molecules Interferes with Mouse CD1d Functional Expression. <i>PLoS ONE</i> , 2013, 8, e72867.	2.5	3
81	Virus-encoded ectopic CD74 enhances poxvirus vaccine efficacy. <i>Immunology</i> , 2014, 141, 531-539.	4.4	3
82	17: R FOR ACADEMIC MEDICINE. To Improve the Academy, 2010, 28, 292-309.	0.4	2
83	Lipids-D-U: peroxisome generation of iNKT ligands. <i>Nature Immunology</i> , 2012, 13, 435-436.	14.5	2
84	Class I MHC Antigens and the Control of Virus Infections by NK Cells. , 1993, , 400-406.		2
85	Selective Identification of V α 14i T Cells Using Slide-immobilized, CD1d-Antigen Complexes. <i>Journal of Immunoassay and Immunochemistry</i> , 2006, 27, 207-212.	1.1	1
86	Natural Killer T (NKT) Cells in Transplantation. , 2004, , 355-364.		0
87	Genetics of CD1 Molecules. , 2004, , 67-69.		0
88	An Important Role for CD1d and NKT Cells in the Suppression of Hematopoiesis in Mice Induced by Infection with Cytomegalovirus.. <i>Blood</i> , 2005, 106, 574-574.	1.4	0
89	The Regulation of CD1d+ and CD1d ⁻ Tumors by NKT Cells. , 2012, , 71-94.		0