

E Sally Ward

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

5,116
citations

126907

33
h-index

123424

61
g-index

71
all docs

71
docs citations

71
times ranked

4298
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective Depletion of Antigen-Specific Antibodies for the Treatment of Demyelinating Disease. <i>Molecular Therapy</i> , 2021, 29, 1312-1323.	8.2	20
2	Selective depletion of radiolabeled HER2-specific antibody for contrast improvement during PET. <i>MAbs</i> , 2021, 13, 1976705.	5.2	2
3	IgG regulation through FcRn blocking: A novel mechanism for the treatment of myasthenia gravis. <i>Journal of the Neurological Sciences</i> , 2021, 430, 118074.	0.6	24
4	Phase 2 study of efgartigimod, a novel FcRn antagonist, in adult patients with primary immune thrombocytopenia. <i>American Journal of Hematology</i> , 2020, 95, 178-187.	4.1	99
5	An optimal "click" formulation strategy for antibody-drug conjugate synthesis. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115808.	3.0	5
6	A two-stage method for automated detection of ring-like endosomes in fluorescent microscopy images. <i>PLoS ONE</i> , 2019, 14, e0218931.	2.5	4
7	Randomized phase 2 study of FcRn antagonist efgartigimod in generalized myasthenia gravis. <i>Neurology</i> , 2019, 92, e2661-e2673.	1.1	169
8	Neonatal Fc receptor expression in macrophages is indispensable for IgG homeostasis. <i>MAbs</i> , 2019, 11, 848-860.	5.2	40
9	Engineering a HER2-specific antibody drug conjugate to increase lysosomal delivery and therapeutic efficacy. <i>Nature Biotechnology</i> , 2019, 37, 523-526.	17.5	58
10	Phase 2 Study of Efgartigimod, a Novel FcRn Antagonist, in Adult Patients with Primary Immune Thrombocytopenia. <i>Blood</i> , 2019, 134, 895-895.	1.4	1
11	Phagocytosis of antibody-opsinized tumor cells leads to the formation of a discrete vacuolar compartment in macrophages. <i>Traffic</i> , 2018, 19, 273-284.	2.7	8
12	Myelin oligodendrocyte glycoprotein-specific antibodies from multiple sclerosis patients exacerbate disease in a humanized mouse model. <i>Journal of Autoimmunity</i> , 2018, 86, 104-115.	6.5	26
13	Targeting Phosphatidylserine with Calcium-Dependent Protein Drug Conjugates for the Treatment of Cancer. <i>Molecular Cancer Therapeutics</i> , 2018, 17, 169-182.	4.1	14
14	BCAP links IL-1R to the PI3K-mTOR pathway and regulates pathogenic Th17 cell differentiation. <i>Journal of Experimental Medicine</i> , 2018, 215, 2413-2428.	8.5	46
15	Targeting FcRn to Generate Antibody-Based Therapeutics. <i>Trends in Pharmacological Sciences</i> , 2018, 39, 892-904.	8.7	66
16	Neonatal Fc receptor antagonist efgartigimod safely and sustainably reduces IgGs in humans. <i>Journal of Clinical Investigation</i> , 2018, 128, 4372-4386.	8.2	162
17	Remote focusing multifocal plane microscopy for the imaging of 3D single molecule dynamics with cellular context. , 2017, 10070, .		1
18	Hepatic function of FcRn revealed: Implications for overcoming drug-mediated hepatotoxicity. <i>Hepatology</i> , 2017, 66, 2083-2085.	7.3	4

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19	Engineered clearing agents for the selective depletion of antigen-specific antibodies. Nature Communications, 2017, 8, 15314.	12.8	32
20	A state space based approach to localizing single molecules from multi-emitter images. , 2017, 10070, .		1
21	Detection of phosphatidylserine-positive exosomes as a diagnostic marker for ovarian malignancies: a proof of concept study. Oncotarget, 2017, 8, 14395-14407.	1.8	76
22	Macrophage-Mediated Trogocytosis Leads to Death of Antibody-Opsonized Tumor Cells. Molecular Cancer Therapeutics, 2016, 15, 1879-1889.	4.1	75
23	Antigen dynamics govern the induction of CD4 + T cell tolerance during autoimmunity. Journal of Autoimmunity, 2016, 72, 84-94.	6.5	4
24	Commentary: "There's been a Flaw in Our Thinking" Frontiers in Immunology, 2015, 6, 351.	4.8	5
25	Antibody targeting of $HER2/HER3$ signaling overcomes heregulin-induced resistance to $PI3K$ inhibition in prostate cancer. International Journal of Cancer, 2015, 137, 267-277.	5.1	25
26	Targeting FcRn for the modulation of antibody dynamics. Molecular Immunology, 2015, 67, 131-141.	2.2	72
27	A Distinct Class of Antibodies May Be an Indicator of Gray Matter Autoimmunity in Early and Established Relapsing Remitting Multiple Sclerosis Patients. ASN Neuro, 2015, 7, 175909141560961.	2.7	18
28	Engineering multivalent antibodies to target heregulin-induced HER3 signaling in breast cancer cells. MAbs, 2014, 6, 340-353.	5.2	25
29	FcRn: From Molecular Interactions to Regulation of IgG Pharmacokinetics and Functions. Current Topics in Microbiology and Immunology, 2014, 382, 249-272.	1.1	50
30	Use of Fc-Engineered Antibodies as Clearing Agents to Increase Contrast During PET. Journal of Nuclear Medicine, 2014, 55, 1204-1207.	5.0	23
31	Targeting FcRn for therapy: From live cell imaging to in vivo studies in mice. Immunology Letters, 2014, 160, 158-162.	2.5	11
32	Two approximations for the geometric model of signal amplification in an electron-multiplying charge-coupled device detector. Proceedings of SPIE, 2013, 8589, 858905.	0.8	4
33	The Encephalitogenic, Human Myelin Oligodendrocyte Glycoprotein-Induced Antibody Repertoire Is Directed toward Multiple Epitopes in C57BL/6-Immunized Mice. Journal of Immunology, 2013, 191, 1091-1101.	0.8	13
34	Autoantibody depletion ameliorates disease in murine experimental autoimmune encephalomyelitis. MAbs, 2013, 5, 655-659.	5.2	45
35	The effect of pH dependence of antibody-antigen interactions on subcellular trafficking dynamics. MAbs, 2013, 5, 851-859.	5.2	52
36	3D single molecule tracking and superresolution microscopy using multifocal plane microscopy. , 2012, 2012, 914-915.		3

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37	Localization accuracy in single molecule microscopy using electron-multiplying charge-coupled device cameras. , 2012, 8227, .		4
38	3D Single Molecule Tracking with Multifocal Plane Microscopy Reveals Rapid Intercellular Transferrin Transport at Epithelial Cell Barriers. Biophysical Journal, 2012, 103, 1594-1603.	0.5	73
39	Comparison of estimation algorithms in single-molecule localization. Proceedings of SPIE, 2010, 7570, 757004.	0.8	4
40	A Software Framework for the Analysis of Complex Microscopy Image Data. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 1075-1087.	3.2	15
41	Conditional deletion of the MHC class I-related receptor FcRn reveals the sites of IgG homeostasis in mice. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2788-2793.	7.1	179
42	Chapter 4 Multitasking by Exploitation of Intracellular Transport Functions. Advances in Immunology, 2009, 103, 77-115.	2.2	148
43	High Accuracy 3D Quantum Dot Tracking with Multifocal Plane Microscopy for the Study of Fast Intracellular Dynamics in Live Cells. Biophysical Journal, 2008, 95, 6025-6043.	0.5	263
44	Feedback Regulation of Murine Autoimmunity via Dominant Anti-Inflammatory Effects of Interferon β . Journal of Immunology, 2007, 178, 134-144.	0.8	24
45	Elucidation of intracellular recycling pathways leading to exocytosis of the Fc receptor, FcRn, by using multifocal plane microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5889-5894.	7.1	147
46	A Stochastic Analysis of Performance Limits for Optical Microscopes. Multidimensional Systems and Signal Processing, 2006, 17, 27-57.	2.6	64
47	Engineering the Fc region of immunoglobulin G to modulate in vivo antibody levels. Nature Biotechnology, 2005, 23, 1283-1288.	17.5	325
48	From Sorting Endosomes to Exocytosis: Association of Rab4 and Rab11 GTPases with the Fc Receptor, FcRn, during Recycling. Molecular Biology of the Cell, 2005, 16, 2028-2038.	2.1	162
49	Simultaneous Imaging of Different Focal Planes in Fluorescence Microscopy for the Study of Cellular Dynamics in Three Dimensions. IEEE Transactions on Nanobioscience, 2004, 3, 237-242.	3.3	169
50	Acquiring Maternal Immunoglobulin. Immunity, 2004, 20, 507-508.	14.3	22
51	Evidence to support the cellular mechanism involved in serum IgG homeostasis in humans. International Immunology, 2003, 15, 187-195.	4.0	173
52	Activation of a T cell hybridoma by an alloligand results in differential effects on IL-2 secretion and activation-induced cell death. European Journal of Immunology, 2001, 31, 3825-3832.	2.9	1
53	Negative Selection during the Peripheral Immune Response to Antigen. Journal of Experimental Medicine, 2001, 193, 1-12.	8.5	161
54	Multiple Roles for the Major Histocompatibility Complex Class II Related Receptor FcRn. Annual Review of Immunology, 2000, 18, 739-766.	21.8	465

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55	On the role of reachability and observability in NMR experimentation. Journal of Mathematical Chemistry, 1999, 26, 15-26.	1.5	8
56	Identification and function of neonatal Fc receptor in mammary gland of lactating mice. European Journal of Immunology, 1999, 29, 2515-2523.	2.9	107
57	Mapping the site on human IgG for binding of the MHC class I-related receptor, FcRn. European Journal of Immunology, 1999, 29, 2819-2825.	2.9	223
58	Mapping the site on human IgG for binding of the MHC class I-related receptor, FcRn. , 1999, 29, 2819.		7
59	On the class of attainable multidimensional NMR spectra. Journal of Mathematical Chemistry, 1998, 22, 1-10.	1.5	7
60	Comparative studies of rat IgG to further delineate the Fc α 1c interaction site. European Journal of Immunology, 1998, 28, 2092-2100.	2.9	44
61	Comparative studies of rat IgG to further delineate the Fc α 1c interaction site. , 1998, 28, 2092.		1
62	Increasing the serum persistence of an IgG fragment by random mutagenesis. Nature Biotechnology, 1997, 15, 637-640.	17.5	230
63	Abnormally short serum half-lives of IgG in β 2-microglobulin-deficient mice. European Journal of Immunology, 1996, 26, 690-696.	2.9	449
64	Localization of the site of the IgG molecule that regulates maternofetal transmission in mice. European Journal of Immunology, 1996, 26, 2533-2536.	2.9	54
65	A system theoretic formulation of NMR experiments. Journal of Mathematical Chemistry, 1996, 20, 47-65.	1.5	16
66	Identifying amino acid residues that influence plasma clearance of murine IgG1 fragments by site-directed mutagenesis. European Journal of Immunology, 1994, 24, 542-548.	2.9	121
67	Localization of the site of the murine IgG1 molecule that is involved in binding to the murine intestinal Fc receptor. European Journal of Immunology, 1994, 24, 2429-2434.	2.9	141
68	Clinical Significance of Serum Albumin and Implications of FcRn Inhibitor Treatment in IgG-Mediated Autoimmune Disorders. Frontiers in Immunology, 0, 13, .	4.8	26