

Leonard D Shultz

List of Publications by Year in descending order

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85
papers

12,766
citations

44069

48
h-index

53230

85
g-index

90
all docs

90
docs citations

90
times ranked

14917
citing authors

#	ARTICLE	IF	CITATIONS
1	Clathrin light chain-conjugated drug delivery for cancer. <i>Bioengineering and Translational Medicine</i> , 2023, 8, e10273.	7.1	2
2	A novel clinically relevant graft-versus-leukemia model in humanized mice. <i>Journal of Leukocyte Biology</i> , 2022, 111, 427-437.	3.3	4
3	Role of MicroRNA in Inflammatory Bowel Disease: Clinical Evidence and the Development of Preclinical Animal Models. <i>Cells</i> , 2021, 10, 2204.	4.1	18
4	Inactive rhomboid proteins RHBDF1 and RHBDF2 (iRhoms): a decade of research in murine models. <i>Mammalian Genome</i> , 2021, 32, 415-426.	2.2	4
5	A rapid, sensitive, and reproducible in vivo PBMC humanized murine model for determining therapeutic-related cytokine release syndrome. <i>FASEB Journal</i> , 2020, 34, 12963-12975.	0.5	28
6	Improved mouse models and advanced genetic and genomic technologies for the study of neutrophils. <i>Drug Discovery Today</i> , 2020, 25, 1013-1025.	6.4	4
7	Genes adapt to outsmart gene-targeting strategies in mutant mouse strains by skipping exons to reinitiate transcription and translation. <i>Genome Biology</i> , 2020, 21, 168.	8.8	19
8	Understanding Normal and Malignant Human Hematopoiesis Using Next-Generation Humanized Mice. <i>Trends in Immunology</i> , 2020, 41, 706-720.	6.8	23
9	TEG011 persistence averts extramedullary tumor growth without exerting off-target toxicity against healthy tissues in a humanized HLA-A*24:02 transgenic mice. <i>Journal of Leukocyte Biology</i> , 2020, 107, 1069-1079.	3.3	9
10	Innovations, challenges, and minimal information for standardization of humanized mice. <i>EMBO Molecular Medicine</i> , 2020, 12, e8662.	6.9	82
11	Humanized mouse models of immunological diseases and precision medicine. <i>Mammalian Genome</i> , 2019, 30, 123-142.	2.2	76
12	Human Anti-HIV-1 gp120 Monoclonal Antibodies with Neutralizing Activity Cloned from Humanized Mice Infected with HIV-1. <i>Journal of Immunology</i> , 2019, 202, 799-804.	0.8	5
13	Lack of acute xenogeneic graft-versus-host disease, but retention of T cell function following engraftment of human peripheral blood mononuclear cells in NSG mice deficient in MHC class I and II expression. <i>FASEB Journal</i> , 2019, 33, 3137-3151.	0.5	99
14	T _H 1 Cell Function and Gene Expression Are Compromised in Type 1 Diabetes. <i>Cell Reports</i> , 2018, 22, 2667-2676.	6.4	152
15	ADAM17 is essential for ectodomain shedding of the EGF receptor ligand amphiregulin. <i>FEBS Open Bio</i> , 2018, 8, 702-710.	2.3	23
16	Gene Therapy with an Adeno-Associated Viral Vector Expressing Human Interleukin-2 Alters Immune System Homeostasis in Humanized Mice. <i>Human Gene Therapy</i> , 2018, 29, 352-365.	2.7	15
17	Humanized mice in studying efficacy and mechanisms of PD-1 targeted cancer immunotherapy. <i>FASEB Journal</i> , 2018, 32, 1537-1549.	0.5	260
18	Ectopic high endothelial venules in pancreatic ductal adenocarcinoma: A unique site for targeted delivery. <i>EBioMedicine</i> , 2018, 38, 79-88.	6.1	20

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19	RHBDF2-Regulated Growth Factor Signaling in a Rare Human Disease, Tylosis With Esophageal Cancer: What Can We Learn From Murine Models?. <i>Frontiers in Genetics</i> , 2018, 9, 233.	2.3	10
20	Early induction of NRF2 antioxidant pathway by RHBDF2 mediates rapid cutaneous wound healing. <i>Experimental and Molecular Pathology</i> , 2017, 102, 337-346.	2.1	14
21	A novel hemolytic complement-sufficient NSG mouse model supports studies of complement-mediated antitumor activity in vivo. <i>Journal of Immunological Methods</i> , 2017, 446, 47-53.	1.4	18
22	Development of Humanized Mice in the Age of Genome Editing. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 3043-3048.	2.6	20
23	Humanized Mouse Models of Clinical Disease. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2017, 12, 187-215.	22.4	437
24	Genetic deletion of amphiregulin restores the normal skin phenotype in a mouse model of the human skin disease tylosis. <i>Biology Open</i> , 2017, 6, 1174-1179.	1.2	13
25	Alloimmune Responses of Humanized Mice to Human Pluripotent Stem Cell Therapeutics. <i>Cell Reports</i> , 2017, 20, 1978-1990.	6.4	31
26	Tissue-specific role of RHBDF2 in cutaneous wound healing and hyperproliferative skin disease. <i>BMC Research Notes</i> , 2017, 10, 573.	1.4	6
27	Age-dependent human \hat{I}^2 cell proliferation induced by glucagon-like peptide 1 and calcineurin signaling. <i>Journal of Clinical Investigation</i> , 2017, 127, 3835-3844.	8.2	118
28	Improvements and Limitations of Humanized Mouse Models for HIV Research: NIH/NIAID "Meet the Experts" 2015 Workshop Summary. <i>AIDS Research and Human Retroviruses</i> , 2016, 32, 109-119.	1.1	57
29	Genetically modified human $\text{CD}4^+$ T cells can be evaluated <i>in vivo</i> without lethal graft-versus-host disease. <i>Immunology</i> , 2016, 148, 339-351.	4.4	9
30	Humanized mouse model of mast cell-mediated passive cutaneous anaphylaxis and passive systemic anaphylaxis. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 769-779.	2.9	80
31	Induction of WT1-specific human CD8 ⁺ T cells from human HSCs in HLA class I Tg NOD/SCID/IL2rgKO mice. <i>Blood</i> , 2016, 127, 722-734.	1.4	39
32	Improved B cell development in humanized NOD ^{scid} IL2R ³ mice transgenically expressing human stem cell factor, granulocyte-macrophage colony-stimulating factor and interleukin-3. <i>Immunity, Inflammation and Disease</i> , 2016, 4, 427-440.	2.7	97
33	Genetic ablation of lymphocytes and cytokine signaling in nonobese diabetic mice prevents diet-induced obesity and insulin resistance. <i>FASEB Journal</i> , 2016, 30, 1328-1338.	0.5	12
34	Beyond the brain: disrupted in schizophrenia 1 regulates pancreatic \hat{I}^2 cell function <i>via</i> glycogen synthase kinase- β . <i>FASEB Journal</i> , 2016, 30, 983-993.	0.5	16
35	Stress-impaired transcription factor expression and insulin secretion in transplanted human islets. <i>Journal of Clinical Investigation</i> , 2016, 126, 1857-1870.	8.2	86
36	Viral Infection of Engrafted Human Islets Leads to Diabetes. <i>Diabetes</i> , 2015, 64, 1358-1369.	0.6	41

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37	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- <i>scid</i> Mice. <i>Journal of Immunology</i> , 2015, 195, 3011-3019.	0.8	14
38	Retroviruses use CD169-mediated trans-infection of permissive lymphocytes to establish infection. <i>Science</i> , 2015, 350, 563-567.	12.6	155
39	Efficient and Targeted Transduction of Nonhuman Primate Liver With Systemically Delivered Optimized AAV3B Vectors. <i>Molecular Therapy</i> , 2015, 23, 1867-1876.	8.2	73
40	Dengue virus infection induces broadly cross-reactive human IgM antibodies that recognize intact virions in humanized BLT-NSG mice. <i>Experimental Biology and Medicine</i> , 2015, 240, 67-78.	2.4	38
41	Generation of improved humanized mouse models for human infectious diseases. <i>Journal of Immunological Methods</i> , 2014, 410, 3-17.	1.4	124
42	<i>Rhbdf2</i> mutations increase its protein stability and drive EGFR hyperactivation through enhanced secretion of amphiregulin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2200-9.	7.1	56
43	Human Cancer Growth and Therapy in Immunodeficient Mouse Models. <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.top073585.	0.3	156
44	NOD- <i>scid</i> Il2rg ^{tm1Wjl} and NOD-Rag1 null Il2rg ^{tm1Wjl} : A Model for Stromal Cell-Tumor Cell Interaction for Human Colon Cancer. <i>Digestive Diseases and Sciences</i> , 2014, 59, 1169-1179.	2.3	52
45	Overcoming Current Limitations in Humanized Mouse Research. <i>Journal of Infectious Diseases</i> , 2013, 208, S125-S130.	4.0	127
46	Engrafted human cells generate adaptive immune responses to <i>Mycobacterium bovis</i> BCG infection in humanized mice. <i>BMC Immunology</i> , 2013, 14, 53.	2.2	41
47	Humanized mice for the study of infectious diseases. <i>Current Opinion in Immunology</i> , 2013, 25, 428-435.	5.5	59
48	Retrotransposon Insertion in the T-cell Acute Lymphocytic Leukemia 1 (Tal1) Gene Is Associated with Severe Renal Disease and Patchy Alopecia in Hairpatches (Hpt) Mice. <i>PLoS ONE</i> , 2013, 8, e53426.	2.5	8
49	Human allograft rejection in humanized mice: a historical perspective. <i>Cellular and Molecular Immunology</i> , 2012, 9, 225-231.	10.5	33
50	Humanized Mouse Model Used to Monitor MUC Gene Expression in Nasal Polyps and to Preclinically Evaluate the Efficacy of Montelukast in Reducing Mucus Production. <i>Annals of Otolaryngology, Rhinology and Laryngology</i> , 2012, 121, 307-316.	1.1	4
51	Engraftment of human HSCs in nonirradiated newborn NOD- <i>scid</i> IL2r ^β null mice is enhanced by transgenic expression of membrane-bound human SCF. <i>Blood</i> , 2012, 119, 2778-2788.	1.4	76
52	Membrane-bound human SCF/KL promotes in vivo human hematopoietic engraftment and myeloid differentiation. <i>Blood</i> , 2012, 119, 2768-2777.	1.4	96
53	Development of Mature and Functional Human Myeloid Subsets in Hematopoietic Stem Cell-Engrafted NOD/SCID/IL2r ^β KO Mice. <i>Journal of Immunology</i> , 2012, 188, 6145-6155.	0.8	124
54	Humanized mice for immune system investigation: progress, promise and challenges. <i>Nature Reviews Immunology</i> , 2012, 12, 786-798.	22.7	851

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55	Islet-Specific CTL Cloned from a Type 1 Diabetes Patient Cause Beta-Cell Destruction after Engraftment into HLA-A2 Transgenic NOD/SCID/IL2RG Null Mice. <i>PLoS ONE</i> , 2012, 7, e49213.	2.5	75
56	Enhanced humoral and HLA-A2-restricted dengue virus-specific T-cell responses in humanized BLT NSG mice. <i>Immunology</i> , 2012, 136, 334-343.	4.4	88
57	Humanized mice as a preclinical tool for infectious disease and biomedical research. <i>Annals of the New York Academy of Sciences</i> , 2011, 1245, 50-54.	3.8	59
58	NOD-scid IL2r ³ null Mouse Model of Human Skin Transplantation and Allograft Rejection. <i>Transplantation</i> , 2010, 89, 527-536.	1.0	69
59	Effective Targeting of Quiescent Chronic Myelogenous Leukemia Stem Cells by Histone Deacetylase Inhibitors in Combination with Imatinib Mesylate. <i>Cancer Cell</i> , 2010, 17, 427-442.	16.8	245
60	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 IL2r ³ null mutation. <i>Clinical Immunology</i> , 2010, 135, 84-98.	3.2	225
61	Generation of functional human T-cell subsets with HLA-restricted immune responses in HLA class I expressing NOD/SCID/IL2r ³ null humanized mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13022-13027.	7.1	348
62	Identification of Therapeutic Targets for Quiescent, Chemotherapy-Resistant Human Leukemia Stem Cells. <i>Science Translational Medicine</i> , 2010, 2, 17ra9.	12.4	364
63	Human Immune System Development and Rejection of Human Islet Allografts in Spontaneously Diabetic NOD-Rag1null IL2r ³ null ⁺ Ins2Akita Mice. <i>Diabetes</i> , 2010, 59, 2265-2270.	0.6	68
64	Humanized nonobese diabetic-scid IL2r ³ null mice are susceptible to lethal <i>Salmonella</i> Typhi infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 15589-15594.	7.1	122
65	Induction of cell cycle entry eliminates human leukemia stem cells in a mouse model of AML. <i>Nature Biotechnology</i> , 2010, 28, 275-280.	17.5	373
66	Dengue Virus Infection and Virus-Specific HLA-A2 Restricted Immune Responses in Humanized NOD-scid IL2r ³ null Mice. <i>PLoS ONE</i> , 2009, 4, e7251.	2.5	121
67	Improved Murine Model of Malaria Using <i>Plasmodium falciparum</i> Competent Strains and Non-Myelodepleted NOD-scid IL2R ³ null Mice Engrafted with Human Erythrocytes. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 4533-4536.	3.2	171
68	Sepsis-induced human lymphocyte apoptosis and cytokine production in "humanized" mice. <i>Journal of Leukocyte Biology</i> , 2009, 86, 219-227.	3.3	91
69	Human acute leukemia cells injected in NOD/LtSz-scid/IL2R ³ null mice generate a faster and more efficient disease compared to other NOD-scid-related strains. <i>International Journal of Cancer</i> , 2008, 123, 2222-2227.	5.1	155
70	A new Hu-PBL model for the study of human islet alloreactivity based on NOD-scid mice bearing a targeted mutation in the IL-2 receptor gamma chain gene. <i>Clinical Immunology</i> , 2008, 126, 303-314.	3.2	163
71	T Cell-Specific siRNA Delivery Suppresses HIV-1 Infection in Humanized Mice. <i>Cell</i> , 2008, 134, 577-586.	28.9	542
72	Human BlyS Facilitates Engraftment of Human PBL Derived B Cells in Immunodeficient Mice. <i>PLoS ONE</i> , 2008, 3, e3192.	2.5	53

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73	Chemotherapy-resistant human AML stem cells home to and engraft within the bone-marrow endosteal region. <i>Nature Biotechnology</i> , 2007, 25, 1315-1321.	17.5	866
74	Humanized mice in translational biomedical research. <i>Nature Reviews Immunology</i> , 2007, 7, 118-130.	22.7	1,189
75	Development of functional human blood and immune systems in NOD/SCID/IL2 receptor β^3 chainnull mice. <i>Blood</i> , 2005, 106, 1565-1573.	1.4	849
76	Human Cord Blood-Derived Cells Generate Insulin-Producing Cells In Vivo. <i>Stem Cells</i> , 2005, 23, 1409-1416.	3.2	67
77	Accelerated Wound Healing of Alkali-Burned Corneas in MRL Mice Is Associated with a Reduced Inflammatory Signature. , 2005, 46, 4097.		104
78	Human Lymphoid and Myeloid Cell Development in NOD/LtSz- <i>scid</i> IL2R β^3 null Mice Engrafted with Mobilized Human Hemopoietic Stem Cells. <i>Journal of Immunology</i> , 2005, 174, 6477-6489.	0.8	1,513
79	Human cord blood and bone marrow derived CD34 + cells regenerate gastrointestinal epithelial cells. <i>FASEB Journal</i> , 2004, 18, 1958-1960.	0.5	28
80	Regulation of human short-term repopulating cell (STRC) engraftment in NOD/SCID mice by host CD122 + cells. <i>Experimental Hematology</i> , 2003, 31, 551-558.	0.4	48
81	Curly bare (cub), a new mouse mutation on chromosome 11 causing skin and hair abnormalities, and a modifier gene (mcub) on chromosome 5. <i>Genomics</i> , 2003, 81, 6-14.	2.9	30
82	SCID Mouse Models of Human Stem Cell Engraftment. <i>Stem Cells</i> , 1998, 16, 166-177.	3.2	289
83	Role of Natural Killer Cells on Engraftment of Human Lymphoid Cells and on Metastasis of Human T-Lymphoblastoid Leukemia Cells in C57BL/6J- <i>scid</i> Mice and in C57BL/6J- <i>scid</i> bg Mice. <i>Cellular Immunology</i> , 1996, 171, 186-199.	3.0	80
84	High Levels of Human Peripheral Blood Mononuclear Cell Engraftment and Enhanced Susceptibility to Human Immunodeficiency Virus Type 1 Infection in NOD/LtSz- <i>scid</i> / <i>scid</i> Mice. <i>Journal of Infectious Diseases</i> , 1995, 172, 974-982.	4.0	159
85	Phorbol ester responsiveness of murine Ly-1-lineage B cells from normal and viable motheaten mutant mice. <i>European Journal of Immunology</i> , 1991, 21, 721-729.	2.9	21