

Daniel F Legler

List of Publications by Year in descending order

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88
papers

7,937
citations

87723

38
h-index

51492

86
g-index

88
all docs

88
docs citations

88
times ranked

10227
citing authors

#	ARTICLE	IF	CITATIONS
1	The CXC chemokine SDF-1 is the ligand for LESTR/fusin and prevents infection by T-cell-line-adapted HIV-1. <i>Nature</i> , 1996, 382, 833-835.	13.7	1,662
2	B Cell-attracting Chemokine 1, a Human CXC Chemokine Expressed in Lymphoid Tissues, Selectively Attracts B Lymphocytes via BLR1/CXCR5. <i>Journal of Experimental Medicine</i> , 1998, 187, 655-660.	4.2	733
3	Interstitial Dendritic Cell Guidance by Haptotactic Chemokine Gradients. <i>Science</i> , 2013, 339, 328-332.	6.0	474
4	Recruitment of TNF Receptor 1 to Lipid Rafts Is Essential for TNF α -Mediated NF- κ B Activation. <i>Immunity</i> , 2003, 18, 655-664.	6.6	417
5	The chemokine SLC is expressed in T cell areas of lymph nodes and mucosal lymphoid tissues and attracts activated T cells via CCR7. <i>European Journal of Immunology</i> , 1998, 28, 2025-2034.	1.6	326
6	CARMA1 is a critical lipid raft-associated regulator of TCR-induced NF- κ B activation. <i>Nature Immunology</i> , 2002, 3, 836-843.	7.0	322
7	Immobilized Chemokine Fields and Soluble Chemokine Gradients Cooperatively Shape Migration Patterns of Dendritic Cells. <i>Immunity</i> , 2010, 32, 703-713.	6.6	282
8	CCL19/CCL21-triggered signal transduction and migration of dendritic cells requires prostaglandin E2. <i>Blood</i> , 2004, 103, 1595-1601.	0.6	219
9	Role of Mechanotransduction and Tension in T Cell Function. <i>Frontiers in Immunology</i> , 2018, 9, 2638.	2.2	205
10	Prostaglandin E2 at new glance: Novel insights in functional diversity offer therapeutic chances. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 198-201.	1.2	198
11	Prostaglandin E2 Is Generally Required for Human Dendritic Cell Migration and Exerts Its Effect via EP2 and EP4 Receptors. <i>Journal of Immunology</i> , 2006, 176, 966-973.	0.4	188
12	Identification of CCR8, the Receptor for the Human CC Chemokine I-309. <i>Journal of Biological Chemistry</i> , 1997, 272, 17251-17254.	1.6	167
13	Common and biased signaling pathways of the chemokine receptor CCR7 elicited by its ligands CCL19 and CCL21 in leukocytes. <i>Journal of Leukocyte Biology</i> , 2016, 99, 869-882.	1.5	140
14	PrP c capping in T cells promotes its association with the lipid raft proteins reggie α 1 and reggie α 2 and leads to signal transduction. <i>FASEB Journal</i> , 2004, 18, 1731-1733.	0.2	130
15	Opposite Fate of Endocytosed CCR7 and Its Ligands: Recycling versus Degradation. <i>Journal of Immunology</i> , 2006, 177, 2314-2323.	0.4	117
16	Differential insertion of GPI-anchored GFPs into lipid rafts of live cells. <i>FASEB Journal</i> , 2005, 19, 73-75.	0.2	114
17	Changing responsiveness to chemokines allows medullary plasmablasts to leave lymph nodes. <i>European Journal of Immunology</i> , 2001, 31, 609-616.	1.6	107
18	Prostaglandin E2 enhances T-cell proliferation by inducing the costimulatory molecules OX40L, CD70, and 4-1BBL on dendritic cells. <i>Blood</i> , 2009, 113, 2451-2460.	0.6	93

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19	Inflammation-Induced CCR7 Oligomers Form Scaffolds to Integrate Distinct Signaling Pathways for Efficient Cell Migration. <i>Immunity</i> , 2016, 44, 59-72.	6.6	85
20	On the move: endocytic trafficking in cell migration. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 2119-2134.	2.4	84
21	Activation-dependent modulation of B lymphocyte migration to chemokines. <i>International Immunology</i> , 2000, 12, 1285-1292.	1.8	81
22	Expression of high- and low-affinity receptors for C3a on the human mast cell line, HMC-1. <i>European Journal of Immunology</i> , 1996, 26, 753-758.	1.6	76
23	Distinct CCR7 glycosylation pattern shapes receptor signaling and endocytosis to modulate chemotactic responses. <i>Journal of Leukocyte Biology</i> , 2016, 99, 993-1007.	1.5	68
24	New insights in chemokine signaling. <i>F1000Research</i> , 2018, 7, 95.	0.8	68
25	CCR7: Roles in cancer cell dissemination, migration and metastasis formation. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 54, 78-82.	1.2	66
26	IL-4 receptor engagement in human neutrophils impairs their migration and extracellular trap formation. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 144, 267-279.e4.	1.5	65
27	Chemokines: Chemistry, Biochemistry and Biological Function. <i>Chimia</i> , 2016, 70, 856.	0.3	63
28	Prostaglandin E2 is a key factor for monocyte-derived dendritic cell maturation: enhanced T cell stimulatory capacity despite IDO. <i>Journal of Leukocyte Biology</i> , 2007, 82, 1106-1114.	1.5	60
29	The β 1 and β 3 Integrins Promote T Cell Receptor-mediated Cytotoxic T Lymphocyte Activation. <i>Journal of Biological Chemistry</i> , 2003, 278, 26983-26991.	1.6	59
30	Epithelial chemokine CXCL14 synergizes with CXCL12 <i>via</i> allosteric modulation of CXCR4. <i>FASEB Journal</i> , 2017, 31, 3084-3097.	0.2	58
31	Preformed reggie/flotillin caps: stable priming platforms for macrodomain assembly in T cells. <i>FASEB Journal</i> , 2006, 20, 711-713.	0.2	52
32	B cell zone reticular cell microenvironments shape CXCL13 gradient formation. <i>Nature Communications</i> , 2020, 11, 3677.	5.8	52
33	V domain of RAGE interacts with AGEs on prostate carcinoma cells. <i>Prostate</i> , 2008, 68, 748-758.	1.2	45
34	Distinct motifs in the chemokine receptor CCR7 regulate signal transduction, receptor trafficking and chemotaxis. <i>Journal of Cell Science</i> , 2008, 121, 2759-2767.	1.2	45
35	Soluble Major Histocompatibility Complex-Peptide Octamers with Impaired CD8 Binding Selectively Induce Fas-dependent Apoptosis. <i>Journal of Biological Chemistry</i> , 2003, 278, 4500-4509.	1.6	43
36	Ubiquitylation of the chemokine receptor CCR7 enables efficient receptor recycling and cell migration. <i>Journal of Cell Science</i> , 2012, 125, 4463-74.	1.2	41

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37	Soluble CD146 is generated by ectodomain shedding of membrane CD146 in a calcium-induced, matrix metalloprotease-dependent process. <i>Microvascular Research</i> , 2009, 78, 325-331.	1.1	39
38	Regulation of Sec16 levels and dynamics links proliferation and secretion. <i>Journal of Cell Science</i> , 2015, 128, 670-82.	1.2	39
39	CTL activation is induced by cross-linking of TCR/MHC-peptide-CD8/p56lck adducts in rafts. <i>European Journal of Immunology</i> , 2001, 31, 1561-1570.	1.6	38
40	ACKR4 Recruits GRK3 Prior to β -Arrestins but Can Scavenge Chemokines in the Absence of β -Arrestins. <i>Frontiers in Immunology</i> , 2020, 11, 720.	2.2	37
41	Cross-Talk Between TCR and CCR7 Signaling Sets a Temporal Threshold for Enhanced T Lymphocyte Migration. <i>Journal of Immunology</i> , 2011, 187, 5645-5652.	0.4	36
42	Modulation of Chemokine Receptor Function by Cholesterol: New Prospects for Pharmacological Intervention. <i>Molecular Pharmacology</i> , 2017, 91, 331-338.	1.0	36
43	Posttranscriptional regulation of Fas (CD95) ligand killing activity by lipid rafts. <i>Blood</i> , 2006, 107, 2790-2796.	0.6	32
44	Chemokine axes in breast cancer: factors of the tumor microenvironment reshape the CCR7-driven metastatic spread of luminal-A breast tumors. <i>Journal of Leukocyte Biology</i> , 2016, 99, 1009-1025.	1.5	30
45	The α 3 integrin as a tumor homing ligand for lymphocytes. <i>European Journal of Immunology</i> , 2004, 34, 1608-1616.	1.6	28
46	Converse regulation of CCR7-driven human dendritic cell migration by prostaglandin E_2 and liver CXCR2 receptor activation. <i>European Journal of Immunology</i> , 2012, 42, 2949-2958.	1.6	28
47	Beyond migration-Chemokines in lymphocyte priming, differentiation, and modulating effector functions. <i>Journal of Leukocyte Biology</i> , 2018, 104, 301-312.	1.5	28
48	Selective inhibition of CTL activation by a dipalmitoyl phospholipid that prevents the recruitment of signaling molecules to lipid rafts. <i>FASEB Journal</i> , 2001, 15, 1601-1603.	0.2	25
49	Loss of GM130 in breast cancer cells and its effects on cell migration, invasion and polarity. <i>Cell Cycle</i> , 2015, 14, 1139-1147.	1.3	25
50	CCR7 Is Recruited to the Immunological Synapse, Acts as Co-stimulatory Molecule and Drives LFA-1 Clustering for Efficient T Cell Adhesion Through ZAP70. <i>Frontiers in Immunology</i> , 2018, 9, 3115.	2.2	25
51	CCL20 is a novel ligand for the scavenging atypical chemokine receptor 4. <i>Journal of Leukocyte Biology</i> , 2020, 107, 1137-1154.	1.5	24
52	Keratinocytes control skin immune homeostasis through de novo synthesized glucocorticoids. <i>Science Advances</i> , 2021, 7, .	4.7	24
53	Association of the Epstein-Barr virus latent membrane protein 1 with lipid rafts is mediated through its N-terminal region. <i>Cellular and Molecular Life Sciences</i> , 2002, 59, 171-180.	2.4	23
54	Chemokine Receptor CCR7 Triggers an Endomembrane Signaling Complex for Spatial Rac Activation. <i>Cell Reports</i> , 2019, 29, 995-1009.e6.	2.9	23

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55	Fluorescently Tagged CCL19 and CCL21 to Monitor CCR7 and ACKR4 Functions. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3876.	1.8	22
56	CD44 engagement enhances acute myeloid leukemia cell adhesion to the bone marrow microenvironment by increasing VLA-4 avidity. <i>Haematologica</i> , 2021, 106, 2102-2113.	1.7	22
57	Increased Mobility of Major Histocompatibility Complex I-Peptide Complexes Decreases the Sensitivity of Antigen Recognition. <i>Journal of Biological Chemistry</i> , 2008, 283, 24254-24263.	1.6	21
58	ZAP70 expression enhances chemokine-driven chronic lymphocytic leukemia cell migration and arrest by valency regulation of integrins. <i>FASEB Journal</i> , 2018, 32, 4824-4835.	0.2	21
59	CCL19 with CCL21-tail displays enhanced glycosaminoglycan binding with retained chemotactic potency in dendritic cells. <i>Journal of Leukocyte Biology</i> , 2018, 104, 401-411.	1.5	20
60	CXCL14 Preferentially Synergizes With Homeostatic Chemokine Receptor Systems. <i>Frontiers in Immunology</i> , 2020, 11, 561404.	2.2	20
61	The dimeric form of CXCL12 binds to atypical chemokine receptor 1. <i>Science Signaling</i> , 2021, 14, .	1.6	19
62	Biased Signaling of CCL21 and CCL19 Does Not Rely on N-Terminal Differences, but Markedly on the Chemokine Core Domains and Extracellular Loop 2 of CCR7. <i>Frontiers in Immunology</i> , 2019, 10, 2156.	2.2	18
63	Distinct modulation of chemokine expression patterns in human monocyte-derived dendritic cells by prostaglandin E2. <i>Cellular Immunology</i> , 2012, 276, 52-58.	1.4	17
64	The STEAP1₂₆₂₋₂₇₀ peptide encapsulated into PLGA microspheres elicits strong cytotoxic T cell immunity in HLA*0201 transgenic mice. A new approach to immunotherapy against prostate carcinoma. <i>Prostate</i> , 2016, 76, 456-468.	1.2	15
65	A structure-activity relationship linking non-planar PCBs to functional deficits of neural crest cells: new roles for connexins. <i>Archives of Toxicology</i> , 2018, 92, 1225-1247.	1.9	15
66	In vivo TCR Signaling in CD4+ T Cells Imprints a Cell-Intrinsic, Transient Low-Motility Pattern Independent of Chemokine Receptor Expression Levels, or Microtubular Network, Integrin, and Protein Kinase C Activity. <i>Frontiers in Immunology</i> , 2015, 6, 297.	2.2	14
67	In Vivo Function of the Lipid Raft Protein Flotillin-1 during CD8+ T Cell-Mediated Host Surveillance. <i>Journal of Immunology</i> , 2019, 203, 2377-2387.	0.4	14
68	A novel cytosolic class I antigen-processing pathway for endoplasmic-reticulum-targeted proteins. <i>EMBO Reports</i> , 2007, 8, 945-951.	2.0	13
69	Î2-Arrestin1 and Î2-Arrestin2 Are Required to Support the Activity of the CXCL12/HMGB1 Heterocomplex on CXCR4. <i>Frontiers in Immunology</i> , 2020, 11, 550824.	2.2	13
70	Loss of Gadkin Affects Dendritic Cell Migration In Vitro. <i>PLoS ONE</i> , 2015, 10, e0143883.	1.1	12
71	A Versatile Toolkit for Semi-Automated Production of Fluorescent Chemokines to Study CCR7 Expression and Functions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4158.	1.8	12
72	Medullary stromal cells synergize their production and capture of CCL21 for T-cell emigration from neonatal mouse thymus. <i>Blood Advances</i> , 2021, 5, 99-112.	2.5	12

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73	Engineering of Nanobodies Recognizing the Human Chemokine Receptor CCR7. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2597.	1.8	10
74	Mechanosensitive ACKR4 scavenges CCR7 chemokines to facilitate T cell de-adhesion and passive transport by flow in inflamed afferent lymphatics. <i>Cell Reports</i> , 2022, 38, 110334.	2.9	10
75	Definition of Key Variables for the Induction of Optimal NY-ESO-1-Specific T Cells in HLA Transgene Mice. <i>Journal of Immunology</i> , 2010, 185, 3445-3455.	0.4	8
76	Membrane lipid environment: Potential modulation of chemokine receptor function. <i>Cytokine</i> , 2018, 109, 72-75.	1.4	8
77	A unique signal sequence of the chemokine receptor CCR7 promotes package into COPII vesicles for efficient receptor trafficking. <i>Journal of Leukocyte Biology</i> , 2018, 104, 375-389.	1.5	8
78	Delineating the interactions between the cannabinoid CB ₂ receptor and its regulatory effectors; β -arrestins and GPCR kinases. <i>British Journal of Pharmacology</i> , 2022, 179, 2223-2239.	2.7	8
79	Reduced Expression of Cyclooxygenase-2 in Primary Breast Cancer. <i>Journal of the National Cancer Institute</i> , 2008, 100, 1042-1043.	3.0	6
80	Analysis of CCR7 mediated T cell transfectant migration using a microfluidic gradient generator. <i>Journal of Immunological Methods</i> , 2015, 419, 9-17.	0.6	6
81	CCR7 signalosomes are preassembled on tips of lymphocyte microvilli in proximity to LFA-1. <i>Biophysical Journal</i> , 2021, 120, 4002-4012.	0.2	6
82	Shifting CCR7 towards Its Monomeric Form Augments CCL19 Binding and Uptake. <i>Cells</i> , 2022, 11, 1444.	1.8	5
83	CCR5 deficiency/CCR5 ^{Δ32} : resistant to HIV infection at the cost of curtailed CD4 ⁺ T cell memory responses. <i>EMBO Journal</i> , 2020, 39, e105854.	3.5	4
84	Distinct Fates of Chemokine and Surrogate Molecule Gradients: Consequences for CCR7-Guided Dendritic Cell Migration. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	4
85	Membrane Compartmentalization and Scaffold Proteins in Leukocyte Migration. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 285.	1.8	3
86	CAL-1 as Cellular Model System to Study CCR7-Guided Human Dendritic Cell Migration. <i>Frontiers in Immunology</i> , 2021, 12, 702453.	2.2	3
87	FAT10 localizes in dendritic cell aggresome-like induced structures and contributes to their disassembly. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	2
88	Elimination of negative feedback in TLR signalling allows rapid and hypersensitive detection of microbial contaminants. <i>Scientific Reports</i> , 2021, 11, 24414.	1.6	1