

Edward J Goetzl

List of Publications by Year in descending order

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117
papers

9,854
citations

50170

46
h-index

37111

96
g-index

119
all docs

119
docs citations

119
times ranked

8645
citing authors

#	ARTICLE	IF	CITATIONS
1	Sphingosine 1-phosphate and its receptors: an autocrine and paracrine network. <i>Nature Reviews Immunology</i> , 2005, 5, 560-570.	10.6	660
2	Identification of preclinical Alzheimer's disease by a profile of pathogenic proteins in neurally derived blood exosomes: A caseâ€control study. <i>Alzheimer's and Dementia</i> , 2015, 11, 600.	0.4	656
3	Diversity of cellular receptors and functions for the lysophospholipid growth factors lysophosphatidic acid and sphingosine 1â€phosphate. <i>FASEB Journal</i> , 1998, 12, 1589-1598.	0.2	499
4	The immunosuppressant FTY720 downâ€regulates sphingosine 1â€phosphate G proteinâ€coupled receptors. <i>FASEB Journal</i> , 2004, 18, 551-553.	0.2	499
5	International Union of Pharmacology. XXXIV. Lysophospholipid Receptor Nomenclature. <i>Pharmacological Reviews</i> , 2002, 54, 265-269.	7.1	441
6	Altered lysosomal proteins in neural-derived plasma exosomes in preclinical Alzheimer disease. <i>Neurology</i> , 2015, 85, 40-47.	1.5	355
7	Plasma Extracellular Vesicles Enriched for Neuronal Origin: A Potential Window into Brain Pathologic Processes. <i>Frontiers in Neuroscience</i> , 2017, 11, 278.	1.4	299
8	Decreased synaptic proteins in neuronal exosomes of frontotemporal dementia and Alzheimer's disease. <i>FASEB Journal</i> , 2016, 30, 4141-4148.	0.2	281
9	Cargo proteins of plasma astrocyteâ€derived exosomes in Alzheimer's disease. <i>FASEB Journal</i> , 2016, 30, 3853-3859.	0.2	280
10	Dysfunctionally phosphorylated type 1 insulin receptor substrate in neuralâ€derived blood exosomes of preclinical Alzheimer's disease. <i>FASEB Journal</i> , 2015, 29, 589-596.	0.2	278
11	Prediction of conversion from mild cognitive impairment to dementia with neuronally derived blood exosome protein profile. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2016, 3, 63-72.	1.2	255
12	High complement levels in astrocyteâ€derived exosomes of Alzheimer disease. <i>Annals of Neurology</i> , 2018, 83, 544-552.	2.8	248
13	Identification of cDNAs encoding two G protein-coupled receptors for lysosphingolipids1. <i>FEBS Letters</i> , 1997, 417, 279-282.	1.3	236
14	Lysophosphatidic acid and sphingosine 1-phosphate stimulate endothelial cell wound healing. <i>American Journal of Physiology - Cell Physiology</i> , 2000, 278, C612-C618.	2.1	221
15	Activationâ€regulated expression and chemotactic function of sphingosine 1â€phosphate receptors in mouse splenic T cells. <i>FASEB Journal</i> , 2002, 16, 1874-1878.	0.2	202
16	Low neural exosomal levels of cellular survival factors in Alzheimer's disease. <i>Annals of Clinical and Translational Neurology</i> , 2015, 2, 769-773.	1.7	162
17	Association of Extracellular Vesicle Biomarkers With Alzheimer Disease in the Baltimore Longitudinal Study of Aging. <i>JAMA Neurology</i> , 2019, 76, 1340.	4.5	156
18	Declining levels of functionally specialized synaptic proteins in plasma neuronal exosomes with progression of Alzheimer's disease. <i>FASEB Journal</i> , 2018, 32, 888-893.	0.2	155

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19	Alterations in human leukocyte function induced by ingestion of eicosapentaenoic acid. <i>Journal of Clinical Immunology</i> , 1986, 6, 402-410.	2.0	154
20	Type 4 sphingosine 1-phosphate G protein-coupled receptor (S1P ₄) transduces S1P effects on T cell proliferation and cytokine secretion without signaling migration. <i>FASEB Journal</i> , 2005, 19, 1731-1733.	0.2	142
21	Modulation of Pro-inflammatory Gene Expression by Nuclear Lysophosphatidic Acid Receptor Type-1. <i>Journal of Biological Chemistry</i> , 2003, 278, 38875-38883.	1.6	126
22	Cutting Edge: Suppression of T Cell Chemotaxis by Sphingosine 1-Phosphate. <i>Journal of Immunology</i> , 2002, 169, 4084-4087.	0.4	123
23	Signaling mechanisms and molecular characteristics of G protein-coupled receptors for lysophosphatidic acid and sphingosine 1-phosphate. , 1998, 72, 147-157.		118
24	Cutting Edge: Alternative Signaling of Th17 Cell Development by Sphingosine 1-Phosphate. <i>Journal of Immunology</i> , 2007, 178, 5425-5428.	0.4	113
25	Mediators of communication and adaptation in the neuroendocrine and immune systems. <i>FASEB Journal</i> , 1992, 6, 2646-2652.	0.2	108
26	Regulation of immunity by lysosphingolipids and their G protein-coupled receptors. <i>Journal of Clinical Investigation</i> , 2004, 114, 1531-1537.	3.9	105
27	Transduction of Multiple Effects of Sphingosine 1-Phosphate (S1P) on T Cell Functions by the S1P ₁ G Protein-Coupled Receptor. <i>Journal of Immunology</i> , 2003, 171, 3500-3507.	0.4	99
28	Exosomal biomarkers of brain insulin resistance associated with regional atrophy in Alzheimer's disease. <i>Human Brain Mapping</i> , 2017, 38, 1933-1940.	1.9	96
29	Neuronal exosomes reveal Alzheimer's disease biomarkers in Down syndrome. <i>Alzheimer's and Dementia</i> , 2017, 13, 541-549.	0.4	94
30	Gender specificity of altered human immune cytokine profiles in aging. <i>FASEB Journal</i> , 2010, 24, 3580-3589.	0.2	87
31	Allergic diathesis in transgenic mice with constitutive T cell expression of inducible vasoactive intestinal peptide receptor. <i>FASEB Journal</i> , 2001, 15, 2489-2496.	0.2	80
32	Altered levels of plasma neuron-derived exosomes and their cargo proteins characterize acute and chronic mild traumatic brain injury. <i>FASEB Journal</i> , 2019, 33, 5082-5088.	0.2	79
33	Human plasma platelet-derived exosomes: effects of aspirin. <i>FASEB Journal</i> , 2016, 30, 2058-2063.	0.2	76
34	Nitric Oxide Signaling via Nuclearized Endothelial Nitric-oxide Synthase Modulates Expression of the Immediate Early Genes iNOS and mPGES-1*. <i>Journal of Biological Chemistry</i> , 2006, 281, 16058-16067.	1.6	75
35	Sphingosine 1-phosphate and its G protein-coupled receptors constitute a multifunctional immunoregulatory system. <i>Journal of Cellular Biochemistry</i> , 2004, 92, 1104-1114.	1.2	73
36	Altered cargo proteins of human plasma endothelial cell-derived exosomes in atherosclerotic cerebrovascular disease. <i>FASEB Journal</i> , 2017, 31, 3689-3694.	0.2	71

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37	Altered expression and functional profile of lysophosphatidic acid receptors in mitogen-activated human blood T lymphocytes. <i>FASEB Journal</i> , 2000, 14, 2387-2389.	0.2	70
38	Complement protein levels in plasma astrocyte-derived exosomes are abnormal in conversion from mild cognitive impairment to Alzheimer's disease dementia. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 61-66.	1.2	70
39	Immunoefector and immunoregulatory activities of vasoactive intestinal peptide. <i>Regulatory Peptides</i> , 2002, 109, 199-208.	1.9	64
40	Preferential human eosinophil chemotactic activity of the platelet-activating factor (PAF) 1-O-hexadecyl-2-acetyl-sn-glycerol-3-phosphocholine (AGEPC). <i>Journal of Clinical Immunology</i> , 1987, 7, 179-184.	2.0	63
41	SARS-CoV-2 and Mitochondrial Proteins in Neural-Derived Exosomes of COVID-19. <i>Annals of Neurology</i> , 2022, 91, 772-781.	2.8	63
42	Nuclear factor- κ B-dependent reversal of aging-induced alterations in T cell cytokines. <i>FASEB Journal</i> , 2008, 22, 2142-2150.	0.2	62
43	Immunological Effects of Transgenic Constitutive Expression of the Type 1 Sphingosine 1-Phosphate Receptor by Mouse Lymphocytes. <i>Journal of Immunology</i> , 2005, 174, 1997-2003.	0.4	60
44	Ageing enhances release of exosomal cytokine mRNAs by $\text{I}\kappa\text{B}$ -stimulated macrophages. <i>FASEB Journal</i> , 2013, 27, 5141-5150.	0.2	60
45	Plasma neuronal exosomal levels of Alzheimer's disease biomarkers in normal aging. <i>Annals of Clinical and Translational Neurology</i> , 2016, 3, 399-403.	1.7	56
46	Regulation of immunity by lysosphingolipids and their G protein-coupled receptors. <i>Journal of Clinical Investigation</i> , 2004, 114, 1531-1537.	3.9	56
47	Cutting Edge: Vasoactive Intestinal Peptide (VIP) Induces Differentiation of Th17 Cells with a Distinctive Cytokine Profile. <i>Journal of Immunology</i> , 2008, 180, 2772-2776.	0.4	55
48	Traumatic brain injury increases plasma astrocyte-derived exosome levels of neurotoxic complement proteins. <i>FASEB Journal</i> , 2020, 34, 3359-3366.	0.2	54
49	Astrocyte- and Neuron-Derived Extracellular Vesicles from Alzheimer's Disease Patients Effect Complement-Mediated Neurotoxicity. <i>Cells</i> , 2020, 9, 1618.	1.8	52
50	Neuron-Derived Plasma Exosome Proteins after Remote Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2020, 37, 382-388.	1.7	47
51	Mechanisms of Lysolipid Phosphate Effects on Cellular Survival and Proliferation. <i>Annals of the New York Academy of Sciences</i> , 2000, 905, 177-187.	1.8	46
52	A sensitive and specific radioimmunoassay for leukotriene C4. <i>FEBS Letters</i> , 1983, 152, 83-88.	1.3	45
53	Dual Roles of Substance P: Modulator of Immune and Neuroendocrine Functions. <i>Annals of the New York Academy of Sciences</i> , 1987, 512, 465-475.	1.8	44
54	Th17 Augmentation in OTII TCR Plus T Cell-Selective Type 1 Sphingosine 1-Phosphate Receptor Double Transgenic Mice. <i>Journal of Immunology</i> , 2007, 178, 6806-6813.	0.4	43

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55	Diverse pathways for nuclear signaling by G protein-coupled receptors and their ligands. <i>FASEB Journal</i> , 2007, 21, 638-642.	0.2	40
56	Vasoactive Intestinal Peptide Mediation of Development and Functions of T Lymphocytes. <i>Annals of the New York Academy of Sciences</i> , 2000, 921, 79-91.	1.8	37
57	Neuronal and Astrocytic Extracellular Vesicle Biomarkers in Blood Reflect Brain Pathology in Mouse Models of Alzheimer's Disease. <i>Cells</i> , 2021, 10, 993.	1.8	37
58	Abnormal levels of mitochondrial proteins in plasma neuronal extracellular vesicles in major depressive disorder. <i>Molecular Psychiatry</i> , 2021, 26, 7355-7362.	4.1	36
59	Immunological mediators of wound healing and fibrosis. <i>Journal of Cellular Physiology</i> , 1987, 133, 89-93.	2.0	35
60	Type 1 Sphingosine 1-Phosphate G Protein-Coupled Receptor (S1P1) Mediation of Enhanced IL-4 Generation by CD4 T Cells from S1P1 Transgenic Mice. <i>Journal of Immunology</i> , 2007, 178, 4885-4890.	0.4	35
61	Biomarker-Drug and Liquid Biopsy Co-development for Disease Staging and Targeted Therapy: Cornerstones for Alzheimer's Precision Medicine and Pharmacology. <i>Frontiers in Pharmacology</i> , 2019, 10, 310.	1.6	35
62	Distinctive T Cell-suppressive Signals from Nuclearized Type 1 Sphingosine 1-Phosphate G Protein-coupled Receptors. <i>Journal of Biological Chemistry</i> , 2007, 282, 1964-1972.	1.6	34
63	Deficient neurotrophic factors of CSPG4-type neural cell exosomes in Alzheimer disease. <i>FASEB Journal</i> , 2019, 33, 231-238.	0.2	34
64	Growth Hormone-Releasing Hormone Modulation of Neuronal Exosome Biomarkers in Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2018, 66, 971-981.	1.2	33
65	Selectivity of Effects of Vasoactive Intestinal Peptide on Macrophages and Lymphocytes in Compartmental Immune Responses. <i>Annals of the New York Academy of Sciences</i> , 1998, 840, 540-550.	1.8	32
66	Neuron-Derived Exosome Proteins May Contribute to Progression From Repetitive Mild Traumatic Brain Injuries to Chronic Traumatic Encephalopathy. <i>Frontiers in Neuroscience</i> , 2019, 13, 452.	1.4	32
67	Protein Kinase C μ Dependence of the Recovery from Down-regulation of S1P1 G Protein-coupled Receptors of T Lymphocytes. <i>Journal of Biological Chemistry</i> , 2003, 278, 27737-27741.	1.6	31
68	A Natural Variant Type II G Protein-coupled Receptor for Vasoactive Intestinal Peptide with Altered Function. <i>Journal of Biological Chemistry</i> , 2004, 279, 40259-40262.	1.6	31
69	Novel window on early human neurodevelopment via fetal exosomes in maternal blood. <i>Annals of Clinical and Translational Neurology</i> , 2016, 3, 381-385.	1.7	31
70	Lysophospholipid Growth Factors and Their G Protein-Coupled Receptors in Immunity, Coronary Artery Disease, and Cancer. <i>Scientific World Journal</i> , The, 2002, 2, 324-338.	0.8	30
71	Neuropeptides in pulmonary edema fluid of adult respiratory distress syndrome. <i>Inflammation</i> , 1992, 16, 509-517.	1.7	28
72	Cloning, sequencing and tissue distribution of two related G protein-coupled receptor candidates expressed prominently in human lung tissue. <i>FEBS Letters</i> , 1995, 375, 121-124.	1.3	28

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73	Predominant expression of type II vasoactive intestinal peptide receptors by human T lymphoblastoma cells: Transduction of both Ca ²⁺ and cyclic AMP signals. <i>Journal of Clinical Immunology</i> , 1996, 16, 21-30.	2.0	27
74	Enhancement by vasoactive intestinal peptide of β -interferon production by antigen-stimulated type 1 helper T cells. <i>FASEB Journal</i> , 1999, 13, 347-353.	0.2	24
75	Decreased mitochondrial electron transport proteins and increased complement mediators in plasma neural-derived exosomes of early psychosis. <i>Translational Psychiatry</i> , 2020, 10, 361.	2.4	24
76	Type 1 sphingosine 1-phosphate G protein-coupled receptor signaling of lymphocyte functions requires sulfation of its extracellular amino-terminal tyrosines. <i>FASEB Journal</i> , 2005, 19, 1926-1928.	0.2	22
77	Neural cell-derived plasma exosome protein abnormalities implicate mitochondrial impairment in first episodes of psychosis. <i>FASEB Journal</i> , 2021, 35, e21339.	0.2	22
78	Endothelial-derived plasma exosome proteins in Alzheimer's disease angiopathy. <i>FASEB Journal</i> , 2020, 34, 5967-5974.	0.2	21
79	Time-dependent cytokine and chemokine changes in mouse cerebral cortex following a mild traumatic brain injury. <i>ELife</i> , 2020, 9, .	2.8	21
80	Regulation of the roles of sphingosine 1-phosphate and its type 1 G protein-coupled receptor in T cell immunity and autoimmunity. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2008, 1781, 503-507.	1.2	19
81	Multicellular hypothesis for the pathogenesis of Alzheimer's disease. <i>FASEB Journal</i> , 2017, 31, 1792-1795.	0.2	19
82	Mitochondrial Electron Transport Chain Protein Abnormalities Detected in Plasma Extracellular Vesicles in Alzheimer's Disease. <i>Biomedicines</i> , 2021, 9, 1587.	1.4	19
83	Receptor-specific Mechanisms for the Responses of Human Leukocytes to Leukotrienes. <i>Annals of the New York Academy of Sciences</i> , 1988, 524, 345-355.	1.8	18
84	Sphingosine 1-phosphate as an intracellular messenger and extracellular mediator in immunity. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2007, 96, 49-52.	0.7	18
85	â€œLiquid Biopsyâ€ of White Matter Hyperintensity in Functionally Normal Elders. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 343.	1.7	18
86	Neuropeptide Regulation of Immediate and Delayed Hypersensitivity. <i>International Journal of Neuroscience</i> , 1988, 38, 211-221.	0.8	17
87	Lysophospholipid Enhancement of Human T Cell Sensitivity to Diphtheria Toxin by Increased Expression of Heparin-Binding Epidermal Growth Factor. <i>Proceedings of the Association of American Physicians</i> , 1999, 111, 259-269.	2.1	17
88	An IgM-kappa rat monoclonal antibody specific for the type 1 sphingosine 1-phosphate G protein-coupled receptor with antagonist and agonist activities. <i>Immunology Letters</i> , 2004, 93, 63-69.	1.1	15
89	Diverse Mechanisms and Consequences of Immunoadoption of Neuromediator Systems. <i>Annals of the New York Academy of Sciences</i> , 2008, 1144, 56-60.	1.8	15
90	Leukotriene C ₄ Transport and Metabolism in the Central Nervous System. <i>Journal of Neurochemistry</i> , 1986, 46, 1308-1312.	2.1	14

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91	Immunosuppressive human anti-lymphocyte autoantibodies specific for the type 1 sphingosine 1-phosphate receptor. <i>FASEB Journal</i> , 2009, 23, 1786-1796.	0.2	14
92	Preferential enhancement of older human T cell cytokine generation, chemotaxis, proliferation and survival by lenalidomide. <i>Clinical Immunology</i> , 2011, 138, 201-211.	1.4	14
93	Distinctive immunoregulatory effects of adenosine on T cells of older humans. <i>FASEB Journal</i> , 2012, 26, 1301-1310.	0.2	14
94	Elevated complement mediator levels in endothelial-derived plasma exosomes implicate endothelial innate inflammation in diminished brain function of aging humans. <i>Scientific Reports</i> , 2021, 11, 16198.	1.6	14
95	Changes in Adhesion Molecule Expression During Distinct Patterns of Immune Cell Migration in the Inflamed Lung. <i>Archives of Histology and Cytology</i> , 1996, 59, 443-452.	0.2	13
96	The Omnific Lysophospholipid Growth Factors. <i>Annals of the New York Academy of Sciences</i> , 2006, 905, xi-xiv.	1.8	12
97	Hypothesis: VPAC G protein-coupled receptors for vasoactive intestinal peptide constitute a dynamic system for signaling T cells from plasma membrane and nuclear membrane complexes. <i>Regulatory Peptides</i> , 2006, 137, 75-78.	1.9	11
98	Distinct energy requirements for human memory CD4 T cell homeostatic functions. <i>FASEB Journal</i> , 2013, 27, 342-349.	0.2	11
99	Advancing medicine for Alzheimer's disease: A plasma neural exosome platform. <i>FASEB Journal</i> , 2020, 34, 13079-13084.	0.2	11
100	Polymerase chain reaction amplification of messages for growth factors in cells from human bronchoalveolar lavage fluids. <i>Inflammation</i> , 1991, 15, 259-268.	1.7	10
101	Human CD4 8 T cells are a distinctive immunoregulatory subset. <i>FASEB Journal</i> , 2010, 24, 2558-2566.	0.2	10
102	Changing paradigms in the immunological science of allergy: 2008. <i>Current Allergy and Asthma Reports</i> , 2008, 8, 28-31.	2.4	6
103	Vasoactive intestinal peptide enhancement of antigen-induced differentiation of a cultured line of mouse thymocytes. <i>FASEB Journal</i> , 1998, 12, 119-127.	0.2	6
104	Ligand-induced formation of the leukotriene B4 receptor-G protein complex of human polymorphonuclear leukocytes. <i>Journal of Cellular Biochemistry</i> , 1992, 48, 367-372.	1.2	5
105	Diverse Mechanisms of Specificity of Human Receptors for Eicosanoids. <i>Annals of the New York Academy of Sciences</i> , 1994, 744, 146-154.	1.8	5
106	Inhibition of Expression of the Type I G Protein-Coupled Receptor for Vasoactive Intestinal Peptide (VPAC1) by Hammerhead Ribozymes. <i>Biochemistry</i> , 2000, 39, 9771-9777.	1.2	5
107	Defective T Cell Chemotaxis to Sphingosine 1-Phosphate and Chemokine CCL21 in Idiopathic T Lymphocytopenia. <i>Journal of Clinical Immunology</i> , 2011, 31, 744-751.	2.0	5
108	Acute Insulin Resistance and Rapid Alterations in Neuronal Derived Blood Exosome Concentration After Branched Endovascular Aortic Aneurysm Repair. <i>European Journal of Vascular and Endovascular Surgery</i> , 2020, 59, 457-463.	0.8	5

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109	Leukotriene D4-induced increases in the cytoplasmic pH of human myelocytic leukocytes. Journal of Cellular Physiology, 1988, 136, 355-360.	2.0	4
110	Changing paradigms in the immunologic science of allergy. Current Allergy and Asthma Reports, 2006, 6, 1-3.	2.4	3
111	Altered Functional Mitochondrial Protein Levels in Plasma Neuron-Derived Extracellular Vesicles of Patients With Gadolinium Deposition. Frontiers in Toxicology, 2021, 3, 797496.	1.6	3
112	Relative quantification of collagen mrna in fibroblasts by a radioactive polymerase chain reaction technique. Journal of Clinical Laboratory Analysis, 1991, 5, 262-267.	0.9	2
113	Immunoregulatory lysophospholipids: new stars in the mast cell constellation. Current Allergy and Asthma Reports, 2004, 4, 175-177.	2.4	2
114	Changing paradigms in the immunological science of allergy. Current Allergy and Asthma Reports, 2007, 7, 7-10.	2.4	1
115	Signaling mechanisms and molecular characteristics of G protein-coupled receptors for lysophosphatidic acid and sphingosine 1-phosphate. , 1998, 72, 147.		1
116	Distinctive T Cell Suppressive Signals from Nuclearized Type 1 Sphingosine 1-Phosphate G Protein-Coupled Receptors. FASEB Journal, 2007, 21, .	0.2	0
117	Sphingosine 1-phosphate and interleukin-4 signaling requirements for peripheral conversion of naive T cells to adaptive CD4+25+ regulatory T cells. FASEB Journal, 2008, 22, 848.1.	0.2	0