

# Edward J Goetzl

## List of Publications by Citations

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116  
papers

7,824  
citations

43  
h-index

87  
g-index

119  
ext. papers

8,823  
ext. citations

4.7  
avg, IF

6.08  
L-index

#	Paper	IF	Citations
116	Sphingosine 1-phosphate and its receptors: an autocrine and paracrine network. <i>Nature Reviews Immunology</i> , <b>2005</b> , 5, 560-70	36.5	603
115	Identification of preclinical Alzheimer's disease by a profile of pathogenic proteins in neurally derived blood exosomes: A case-control study. <i>Alzheimer's and Dementia</i> , <b>2015</b> , 11, 600-7.e1	1.2	479
114	Diversity of cellular receptors and functions for the lysophospholipid growth factors lysophosphatidic acid and sphingosine 1-phosphate. <i>FASEB Journal</i> , <b>1998</b> , 12, 1589-1598	0.9	478
113	The immunosuppressant FTY720 down-regulates sphingosine 1-phosphate G-protein-coupled receptors. <i>FASEB Journal</i> , <b>2004</b> , 18, 551-3	0.9	451
112	International Union of Pharmacology. XXXIV. Lysophospholipid receptor nomenclature. <i>Pharmacological Reviews</i> , <b>2002</b> , 54, 265-9	22.5	393
111	Altered lysosomal proteins in neural-derived plasma exosomes in preclinical Alzheimer disease. <i>Neurology</i> , <b>2015</b> , 85, 40-7	6.5	265
110	Dysfunctionally phosphorylated type 1 insulin receptor substrate in neural-derived blood exosomes of preclinical Alzheimer's disease. <i>FASEB Journal</i> , <b>2015</b> , 29, 589-96	0.9	218
109	Lysophosphatidic acid and sphingosine 1-phosphate stimulate endothelial cell wound healing. <i>American Journal of Physiology - Cell Physiology</i> , <b>2000</b> , 278, C612-8	5.4	205
108	Identification of cDNAs encoding two G protein-coupled receptors for lysosphingolipids. <i>FEBS Letters</i> , <b>1997</b> , 417, 279-82	3.8	200
107	Plasma Extracellular Vesicles Enriched for Neuronal Origin: A Potential Window into Brain Pathologic Processes. <i>Frontiers in Neuroscience</i> , <b>2017</b> , 11, 278	5.1	199
106	Decreased synaptic proteins in neuronal exosomes of frontotemporal dementia and Alzheimer's disease. <i>FASEB Journal</i> , <b>2016</b> , 30, 4141-4148	0.9	196
105	Activation-regulated expression and chemotactic function of sphingosine 1-phosphate receptors in mouse splenic T cells. <i>FASEB Journal</i> , <b>2002</b> , 16, 1874-8	0.9	193
104	Cargo proteins of plasma astrocyte-derived exosomes in Alzheimer's disease. <i>FASEB Journal</i> , <b>2016</b> , 30, 3853-3859	0.9	178
103	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> , <b>2016</b> , 3, 63-72	5.2	172
102	High complement levels in astrocyte-derived exosomes of Alzheimer disease. <i>Annals of Neurology</i> , <b>2018</b> , 83, 544-552	9.4	154
101	Alterations in human leukocyte function induced by ingestion of eicosapentaenoic acid. <i>Journal of Clinical Immunology</i> , <b>1986</b> , 6, 402-10	5.7	146
100	Low neural exosomal levels of cellular survival factors in Alzheimer's disease. <i>Annals of Clinical and Translational Neurology</i> , <b>2015</b> , 2, 769-73	5.3	121

99	Cutting edge: suppression of T cell chemotaxis by sphingosine 1-phosphate. <i>Journal of Immunology</i> , <b>2002</b> , 169, 4084-7	5.3	115
98	Modulation of pro-inflammatory gene expression by nuclear lysophosphatidic acid receptor type-1. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 38875-83	5.4	113
97	Type 4 sphingosine 1-phosphate G protein-coupled receptor (S1P4) transduces S1P effects on T cell proliferation and cytokine secretion without signaling migration. <i>FASEB Journal</i> , <b>2005</b> , 19, 1731-3	0.9	113
96	Signaling mechanisms and molecular characteristics of G protein-coupled receptors for lysophosphatidic acid and sphingosine 1-phosphate. <i>Journal of Cellular Biochemistry</i> , <b>1998</b> , 72 Suppl 30-31, 147-157	4.7	104
95	Cutting edge: Alternative signaling of Th17 cell development by sphingosine 1-phosphate. <i>Journal of Immunology</i> , <b>2007</b> , 178, 5425-8	5.3	100
94	Declining levels of functionally specialized synaptic proteins in plasma neuronal exosomes with progression of Alzheimer's disease. <i>FASEB Journal</i> , <b>2018</b> , 32, 888-893	0.9	99
93	Mediators of communication and adaptation in the neuroendocrine and immune systems. <i>FASEB Journal</i> , <b>1992</b> , 6, 2646-52	0.9	95
92	Regulation of immunity by lysosphingolipids and their G protein-coupled receptors. <i>Journal of Clinical Investigation</i> , <b>2004</b> , 114, 1531-1537	15.9	91
91	Association of Extracellular Vesicle Biomarkers With Alzheimer Disease in the Baltimore Longitudinal Study of Aging. <i>JAMA Neurology</i> , <b>2019</b> , 76, 1340-1351	17.2	90
90	Transduction of multiple effects of sphingosine 1-phosphate (S1P) on T cell functions by the S1P1 G protein-coupled receptor. <i>Journal of Immunology</i> , <b>2003</b> , 171, 3500-7	5.3	86
89	Neuronal exosomes reveal Alzheimer's disease biomarkers in Down syndrome. <i>Alzheimer's and Dementia</i> , <b>2017</b> , 13, 541-549	1.2	79
88	Allergic diathesis in transgenic mice with constitutive T cell expression of inducible vasoactive intestinal peptide receptor. <i>FASEB Journal</i> , <b>2001</b> , 15, 2489-96	0.9	75
87	Gender specificity of altered human immune cytokine profiles in aging. <i>FASEB Journal</i> , <b>2010</b> , 24, 3580-9	0.9	72
86	Exosomal biomarkers of brain insulin resistance associated with regional atrophy in Alzheimer's disease. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 1933-1940	5.9	70
85	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> , <b>2006</b> , 281, 16058-67	5.4	68
84	Altered expression and functional profile of lysophosphatidic acid receptors in mitogen-activated human blood T lymphocytes. <i>FASEB Journal</i> , <b>2000</b> , 14, 2387-9	0.9	67
83	Sphingosine 1-phosphate and its G protein-coupled receptors constitute a multifunctional immunoregulatory system. <i>Journal of Cellular Biochemistry</i> , <b>2004</b> , 92, 1104-14	4.7	63
82	Human plasma platelet-derived exosomes: effects of aspirin. <i>FASEB Journal</i> , <b>2016</b> , 30, 2058-63	0.9	59

81	Immunological effects of transgenic constitutive expression of the type 1 sphingosine 1-phosphate receptor by mouse lymphocytes. <i>Journal of Immunology</i> , <b>2005</b> , 174, 1997-2003	5.3	57
80	Immune effector and immunoregulatory activities of vasoactive intestinal peptide. <i>Regulatory Peptides</i> , <b>2002</b> , 109, 199-208		57
79	Aging enhances release of exosomal cytokine mRNAs by A $\beta$ -42-stimulated macrophages. <i>FASEB Journal</i> , <b>2013</b> , 27, 5141-50	0.9	55
78	Nuclear factor-kappaB-dependent reversal of aging-induced alterations in T cell cytokines. <i>FASEB Journal</i> , <b>2008</b> , 22, 2142-50	0.9	55
77	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> , <b>1987</b> , 7, 179-84	5.7	55
76	Altered cargo proteins of human plasma endothelial cell-derived exosomes in atherosclerotic cerebrovascular disease. <i>FASEB Journal</i> , <b>2017</b> , 31, 3689-3694	0.9	51
75	Cutting edge: vasoactive intestinal peptide (VIP) induces differentiation of Th17 cells with a distinctive cytokine profile. <i>Journal of Immunology</i> , <b>2008</b> , 180, 2772-6	5.3	51
74	Mechanisms of lysolipid phosphate effects on cellular survival and proliferation. <i>Annals of the New York Academy of Sciences</i> , <b>2000</b> , 905, 177-87	6.5	43
73	Dual roles of substance P: modulator of immune and neuroendocrine functions. <i>Annals of the New York Academy of Sciences</i> , <b>1987</b> , 512, 465-75	6.5	43
72	Regulation of immunity by lysosphingolipids and their G protein-coupled receptors. <i>Journal of Clinical Investigation</i> , <b>2004</b> , 114, 1531-7	15.9	43
71	Altered levels of plasma neuron-derived exosomes and their cargo proteins characterize acute and chronic mild traumatic brain injury. <i>FASEB Journal</i> , <b>2019</b> , 33, 5082-5088	0.9	43
70	A sensitive and specific radioimmunoassay for leukotriene C <sub>4</sub> . <i>FEBS Letters</i> , <b>1983</b> , 152, 83-8	3.8	40
69	Plasma neuronal exosomal levels of Alzheimer's disease biomarkers in normal aging. <i>Annals of Clinical and Translational Neurology</i> , <b>2016</b> , 3, 399-403	5.3	40
68	Diverse pathways for nuclear signaling by G protein-coupled receptors and their ligands. <i>FASEB Journal</i> , <b>2007</b> , 21, 638-42	0.9	38
67	Th17 augmentation in OTII TCR plus T cell-selective type 1 sphingosine 1-phosphate receptor double transgenic mice. <i>Journal of Immunology</i> , <b>2007</b> , 178, 6806-13	5.3	37
66	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> , <b>2019</b> , 11, 61-66	5.2	37
65	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> , <b>2007</b> , 178, 4885-90	5.3	31
64	Vasoactive intestinal peptide mediation of development and functions of T lymphocytes. <i>Annals of the New York Academy of Sciences</i> , <b>2000</b> , 921, 79-91	6.5	31

63	Immunological mediators of wound healing and fibrosis. <i>Journal of Cellular Physiology</i> , <b>1987</b> , Suppl 5, 89-93	7	31
62	Traumatic brain injury increases plasma astrocyte-derived exosome levels of neurotoxic complement proteins. <i>FASEB Journal</i> , <b>2020</b> , 34, 3359-3366	0.9	31
61	Distinctive T cell-suppressive signals from nuclearized type 1 sphingosine 1-phosphate G protein-coupled receptors. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 1964-72	5.4	30
60	Protein kinase C epsilon dependence of the recovery from down-regulation of S1P1 G protein-coupled receptors of T lymphocytes. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 27737-41	5.4	30
59	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> , <b>1998</b> , 840, 540-50	6.5	28
58	A natural variant type II G protein-coupled receptor for vasoactive intestinal peptide with altered function. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 40259-62	5.4	28
57	Neuropeptides in pulmonary edema fluid of adult respiratory distress syndrome. <i>Inflammation</i> , <b>1992</b> , 16, 509-17	5.1	27
56	Lysophospholipid growth factors and their G protein-coupled receptors in immunity, coronary artery disease, and cancer. <i>Scientific World Journal, The</i> , <b>2002</b> , 2, 324-38	2.2	26
55	Predominant expression of type II vasoactive intestinal peptide receptors by human T lymphoblastoma cells: transduction of both Ca <sup>2+</sup> and cyclic AMP signals. <i>Journal of Clinical Immunology</i> , <b>1996</b> , 16, 21-30	5.7	25
54	Neuron-Derived Plasma Exosome Proteins after Remote Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , <b>2020</b> , 37, 382-388	5.4	25
53	Neuron-Derived Exosome Proteins May Contribute to Progression From Repetitive Mild Traumatic Brain Injuries to Chronic Traumatic Encephalopathy. <i>Frontiers in Neuroscience</i> , <b>2019</b> , 13, 452	5.1	23
52	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> , <b>2019</b> , 10, 310	5.6	23
51	Deficient neurotrophic factors of CSPG4-type neural cell exosomes in Alzheimer disease. <i>FASEB Journal</i> , <b>2019</b> , 33, 231-238	0.9	23
50	Enhancement by vasoactive intestinal peptide of gamma-interferon production by antigen-stimulated type 1 helper T cells. <i>FASEB Journal</i> , <b>1999</b> , 13, 347-53	0.9	23
49	Cloning, sequencing and tissue distribution of two related G protein-coupled receptor candidates expressed prominently in human lung tissue. <i>FEBS Letters</i> , <b>1995</b> , 375, 121-4	3.8	22
48	Astrocyte- and Neuron-Derived Extracellular Vesicles from Alzheimer's Disease Patients Effect Complement-Mediated Neurotoxicity. <i>Cells</i> , <b>2020</b> , 9,	7.9	20
47	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> , <b>2005</b> , 19, 1926-8	0.9	20
46	Novel window on early human neurodevelopment via fetal exosomes in maternal blood. <i>Annals of Clinical and Translational Neurology</i> , <b>2016</b> , 3, 381-5	5.3	19

45	Receptor-specific mechanisms for the responses of human leukocytes to leukotrienes. <i>Annals of the New York Academy of Sciences</i> , <b>1988</b> , 524, 345-55	6.5	17
44	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> , <b>1999</b> , 111, 259-69		17
43	Growth Hormone-Releasing Hormone Modulation of Neuronal Exosome Biomarkers in Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , <b>2018</b> , 66, 971-981	4.3	17
42	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> , <b>2008</b> , 1781, 503-7	5	16
41	Sphingosine 1-phosphate as an intracellular messenger and extracellular mediator in immunity. <i>Acta Paediatrica, International Journal of Paediatrics</i> , <b>2007</b> , 96, 49-52	3.1	16
40	Neuropeptide regulation of immediate and delayed hypersensitivity. <i>International Journal of Neuroscience</i> , <b>1988</b> , 38, 211-21	2	16
39	Preferential enhancement of older human T cell cytokine generation, chemotaxis, proliferation and survival by lenalidomide. <i>Clinical Immunology</i> , <b>2011</b> , 138, 201-11	9	14
38	Diverse mechanisms and consequences of immunoadoption of neuromediator systems. <i>Annals of the New York Academy of Sciences</i> , <b>2008</b> , 1144, 56-60	6.5	13
37	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> , <b>2004</b> , 93, 63-9	4.1	13
36	Leukotriene C4 transport and metabolism in the central nervous system. <i>Journal of Neurochemistry</i> , <b>1986</b> , 46, 1308-12	6	13
35	Multicellular hypothesis for the pathogenesis of Alzheimer's disease. <i>FASEB Journal</i> , <b>2017</b> , 31, 1792-1795.9	5.9	12
34	Distinctive immunoregulatory effects of adenosine on T cells of older humans. <i>FASEB Journal</i> , <b>2012</b> , 26, 1301-10	0.9	12
33	Changes in adhesion molecule expression during distinct patterns of immune cell migration in the inflamed lung. <i>Archives of Histology and Cytology</i> , <b>1996</b> , 59, 443-52		12
32	Preface: the omnific lysophospholipid growth factors. <i>Annals of the New York Academy of Sciences</i> , <b>2000</b> , 905, xi-xiv	6.5	11
31	Time-dependent cytokine and chemokine changes in mouse cerebral cortex following a mild traumatic brain injury. <i>ELife</i> , <b>2020</b> , 9,	8.9	11
30	Distinct energy requirements for human memory CD4 T-cell homeostatic functions. <i>FASEB Journal</i> , <b>2013</b> , 27, 342-9	0.9	10
29	Human CD4- 8- T cells are a distinctive immunoregulatory subset. <i>FASEB Journal</i> , <b>2010</b> , 24, 2558-66	0.9	10
28	Immunosuppressive human anti-lymphocyte autoantibodies specific for the type 1 sphingosine 1-phosphate receptor. <i>FASEB Journal</i> , <b>2009</b> , 23, 1786-96	0.9	10

27	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> , <b>2006</b> , 137, 75-8		9
26	Polymerase chain reaction amplification of messages for growth factors in cells from human bronchoalveolar lavage fluids. <i>Inflammation</i> , <b>1991</b> , 15, 259-68	5.1	9
25	"Liquid Biopsy" of White Matter Hyperintensity in Functionally Normal Elders. <i>Frontiers in Aging Neuroscience</i> , <b>2018</b> , 10, 343	5.3	9
24	Endothelial-derived plasma exosome proteins in Alzheimer's disease angiopathy. <i>FASEB Journal</i> , <b>2020</b> , 34, 5967-5974	0.9	8
23	Abnormal levels of mitochondrial proteins in plasma neuronal extracellular vesicles in major depressive disorder. <i>Molecular Psychiatry</i> , <b>2021</b> ,	15.1	8
22	Decreased mitochondrial electron transport proteins and increased complement mediators in plasma neural-derived exosomes of early psychosis. <i>Translational Psychiatry</i> , <b>2020</b> , 10, 361	8.6	7
21	Neuronal and Astrocytic Extracellular Vesicle Biomarkers in Blood Reflect Brain Pathology in Mouse Models of Alzheimer's Disease. <i>Cells</i> , <b>2021</b> , 10,	7.9	7
20	Defective T cell chemotaxis to sphingosine 1-phosphate and chemokine CCL21 in idiopathic T lymphocytopenia. <i>Journal of Clinical Immunology</i> , <b>2011</b> , 31, 744-51	5.7	5
19	Changing paradigms in the immunological science of allergy: 2008. <i>Current Allergy and Asthma Reports</i> , <b>2008</b> , 8, 28-31	5.6	5
18	Inhibition of expression of the type I G protein-coupled receptor for vasoactive intestinal peptide (VPAC1) by hammerhead ribozymes. <i>Biochemistry</i> , <b>2000</b> , 39, 9771-7	3.2	5
17	Ligand-induced formation of the leukotriene B4 receptor-G protein complex of human polymorphonuclear leukocytes. <i>Journal of Cellular Biochemistry</i> , <b>1992</b> , 48, 367-72	4.7	4
16	Leukotriene D4-induced increases in the cytoplasmic pH of human myelocytic leukocytes. <i>Journal of Cellular Physiology</i> , <b>1988</b> , 136, 355-60	7	4
15	Mitochondrial Electron Transport Chain Protein Abnormalities Detected in Plasma Extracellular Vesicles in Alzheimer's Disease. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	4
14	Vasoactive intestinal peptide enhancement of antigen-induced differentiation of a cultured line of mouse thymocytes. <i>FASEB Journal</i> , <b>1998</b> , 12, 119-127	0.9	4
13	Advancing medicine for Alzheimer's disease: A plasma neural exosome platform. <i>FASEB Journal</i> , <b>2020</b> , 34, 13079-13084	0.9	4
12	Diverse mechanisms of specificity of human receptors for eicosanoids. <i>Annals of the New York Academy of Sciences</i> , <b>1994</b> , 744, 146-54	6.5	3
11	Elevated complement mediator levels in endothelial-derived plasma exosomes implicate endothelial innate inflammation in diminished brain function of aging humans. <i>Scientific Reports</i> , <b>2021</b> , 11, 16198	4.9	3
10	Immunoregulatory lysophospholipids: new stars in the mast cell constellation. <i>Current Allergy and Asthma Reports</i> , <b>2004</b> , 4, 175-7	5.6	2



9	Relative quantification of collagen mRNA in fibroblasts by a radioactive polymerase chain reaction technique. <i>Journal of Clinical Laboratory Analysis</i> , <b>1991</b> , 5, 262-7	3	2
8	Astrocyte- and neuron-derived extracellular vesicles from Alzheimer's disease patients effect complement-mediated neurotoxicity		2
7	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> , <b>2020</b> , 59, 457-463	2.3	2
6	Neural cell-derived plasma exosome protein abnormalities implicate mitochondrial impairment in first episodes of psychosis. <i>FASEB Journal</i> , <b>2021</b> , 35, e21339	0.9	2
5	Changing paradigms in the immunological science of allergy. <i>Current Allergy and Asthma Reports</i> , <b>2007</b> , 7, 7-10	5.6	1
4	Changing paradigms in the immunologic science of allergy. <i>Current Allergy and Asthma Reports</i> , <b>2006</b> , 6, 1-3	5.6	1
3	Altered Functional Mitochondrial Protein Levels in Plasma Neuron-Derived Extracellular Vesicles of Patients With Gadolinium Deposition.. <i>Frontiers in Toxicology</i> , <b>2021</b> , 3, 797496	1.6	1
2	Signaling mechanisms and molecular characteristics of G protein-coupled receptors for lysophosphatidic acid and sphingosine 1-phosphate <b>1998</b> , 72, 147		1
1	Sphingosine 1-phosphate and interleukin-4 signaling requirements for peripheral conversion of naïve T cells to adaptive CD4+25+ regulatory T cells. <i>FASEB Journal</i> , <b>2008</b> , 22, 848.1	0.9	