Edward J Goetzl

List of Publications by Year in Descending Order

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	Altered Functional Mitochondrial Protein Levels in Plasma Neuron-Derived Extracellular Vesicles of Patients With Gadolinium Deposition.. *Frontiers in Toxicology*, **2021**, 3, 797496	1.6	1
115	Mitochondrial Electron Transport Chain Protein Abnormalities Detected in Plasma Extracellular Vesicles in Alzheimer's Disease. *Biomedicines*, **2021**, 9,	4.8	4
114	Neuronal and Astrocytic Extracellular Vesicle Biomarkers in Blood Reflect Brain Pathology in Mouse Models of Alzheimer's Disease. *Cells*, **2021**, 10,	7.9	7
113	Elevated complement mediator levels in endothelial-derived plasma exosomes implicate endothelial innate inflammation in diminished brain function of aging humans. *Scientific Reports*, **2021**, 11, 16198	4.9	3
112	Abnormal levels of mitochondrial proteins in plasma neuronal extracellular vesicles in major depressive disorder. *Molecular Psychiatry*, **2021**,	15.1	8
111	Neural cell-derived plasma exosome protein abnormalities implicate mitochondrial impairment in first episodes of psychosis. *FASEB Journal*, **2021**, 35, e21339	0.9	2
110	Endothelial-derived plasma exosome proteins in Alzheimer's disease angiopathy. *FASEB Journal*, **2020**, 34, 5967-5974	0.9	8
109	Astrocyte- and Neuron-Derived Extracellular Vesicles from Alzheimer's Disease Patients Effect Complement-Mediated Neurotoxicity. *Cells*, **2020**, 9,	7.9	20
108	Time-dependent cytokine and chemokine changes in mouse cerebral cortex following a mild traumatic brain injury. *ELife*, **2020**, 9,	8.9	11
107	Traumatic brain injury increases plasma astrocyte-derived exosome levels of neurotoxic complement proteins. *FASEB Journal*, **2020**, 34, 3359-3366	0.9	31
106	Acute Insulin Resistance and Rapid Alterations in Neuronal Derived Blood Exosome Concentration After Branched Endovascular Aortic Aneurysm Repair. *European Journal of Vascular and Endovascular Surgery*, **2020**, 59, 457-463	2.3	2
105	Decreased mitochondrial electron transport proteins and increased complement mediators in plasma neural-derived exosomes of early psychosis. *Translational Psychiatry*, **2020**, 10, 361	8.6	7
104	Advancing medicine for Alzheimer's disease: A plasma neural exosome platform. *FASEB Journal*, **2020**, 34, 13079-13084	0.9	4
103	Neuron-Derived Plasma Exosome Proteins after Remote Traumatic Brain Injury. *Journal of Neurotrauma*, **2020**, 37, 382-388	5.4	25
102	Neuron-Derived Exosome Proteins May Contribute to Progression From Repetitive Mild Traumatic Brain Injuries to Chronic Traumatic Encephalopathy. *Frontiers in Neuroscience*, **2019**, 13, 452	5.1	23
101	Biomarker-Drug and Liquid Biopsy Co-development for Disease Staging and Targeted Therapy: Cornerstones for Alzheimer's Precision Medicine and Pharmacology. *Frontiers in Pharmacology*, **2019**, 10, 310	5.6	23
100	Deficient neurotrophic factors of CSPG4-type neural cell exosomes in Alzheimer disease. *FASEB Journal*, **2019**, 33, 231-238	0.9	23

99	Association of Extracellular Vesicle Biomarkers With Alzheimer Disease in the Baltimore Longitudinal Study of Aging. *JAMA Neurology*, **2019**, 76, 1340-1351	17.2	90
98	Altered levels of plasma neuron-derived exosomes and their cargo proteins characterize acute and chronic mild traumatic brain injury. *FASEB Journal*, **2019**, 33, 5082-5088	0.9	43
97	Complement protein levels in plasma astrocyte-derived exosomes are abnormal in conversion from mild cognitive impairment to Alzheimer's disease dementia. *Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring*, **2019**, 11, 61-66	5.2	37
96	High complement levels in astrocyte-derived exosomes of Alzheimer disease. *Annals of Neurology*, **2018**, 83, 544-552	9.4	154
95	Declining levels of functionally specialized synaptic proteins in plasma neuronal exosomes with progression of Alzheimer's disease. *FASEB Journal*, **2018**, 32, 888-893	0.9	99
94	"Liquid Biopsy" of White Matter Hyperintensity in Functionally Normal Elders. *Frontiers in Aging Neuroscience*, **2018**, 10, 343	5.3	9
93	Growth Hormone-Releasing Hormone Modulation of Neuronal Exosome Biomarkers in Mild Cognitive Impairment. *Journal of Alzheimer's Disease*, **2018**, 66, 971-981	4.3	17
92	Exosomal biomarkers of brain insulin resistance associated with regional atrophy in Alzheimer's disease. *Human Brain Mapping*, **2017**, 38, 1933-1940	5.9	70
91	Multicellular hypothesis for the pathogenesis of Alzheimer's disease. *FASEB Journal*, **2017**, 31, 1792-1795	0.9	12
90	Altered cargo proteins of human plasma endothelial cell-derived exosomes in atherosclerotic cerebrovascular disease. *FASEB Journal*, **2017**, 31, 3689-3694	0.9	51
89	Neuronal exosomes reveal Alzheimer's disease biomarkers in Down syndrome. *Alzheimer's and Dementia*, **2017**, 13, 541-549	1.2	79
88	Plasma Extracellular Vesicles Enriched for Neuronal Origin: A Potential Window into Brain Pathologic Processes. *Frontiers in Neuroscience*, **2017**, 11, 278	5.1	199
87	Cargo proteins of plasma astrocyte-derived exosomes in Alzheimer's disease. *FASEB Journal*, **2016**, 30, 3853-3859	0.9	178
86	Novel window on early human neurodevelopment via fetal exosomes in maternal blood. *Annals of Clinical and Translational Neurology*, **2016**, 3, 381-5	5.3	19
85	Human plasma platelet-derived exosomes: effects of aspirin. *FASEB Journal*, **2016**, 30, 2058-63	0.9	59
84	Prediction of conversion from mild cognitive impairment to dementia with neuronally derived blood exosome protein profile. *Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring*, **2016**, 3, 63-72	5.2	172
83	Decreased synaptic proteins in neuronal exosomes of frontotemporal dementia and Alzheimer's disease. *FASEB Journal*, **2016**, 30, 4141-4148	0.9	196
82	Plasma neuronal exosomal levels of Alzheimer's disease biomarkers in normal aging. *Annals of Clinical and Translational Neurology*, **2016**, 3, 399-403	5.3	40

81	Dysfunctionally phosphorylated type 1 insulin receptor substrate in neural-derived blood exosomes of preclinical Alzheimer's disease. *FASEB Journal*, **2015**, 29, 589-96	0.9	218
80	Identification of preclinical Alzheimer's disease by a profile of pathogenic proteins in neurally derived blood exosomes: A case-control study. *Alzheimer's and Dementia*, **2015**, 11, 600-7.e1	1.2	479
79	Low neural exosomal levels of cellular survival factors in Alzheimer's disease. *Annals of Clinical and Translational Neurology*, **2015**, 2, 769-73	5.3	121
78	Altered lysosomal proteins in neural-derived plasma exosomes in preclinical Alzheimer disease. *Neurology*, **2015**, 85, 40-7	6.5	265
77	Aging enhances release of exosomal cytokine mRNAs by Aβ-42-stimulated macrophages. *FASEB Journal*, **2013**, 27, 5141-50	0.9	55
76	Distinct energy requirements for human memory CD4 T-cell homeostatic functions. *FASEB Journal*, **2013**, 27, 342-9	0.9	10
75	Distinctive immunoregulatory effects of adenosine on T cells of older humans. *FASEB Journal*, **2012**, 26, 1301-10	0.9	12
74	Preferential enhancement of older human T cell cytokine generation, chemotaxis, proliferation and survival by lenalidomide. *Clinical Immunology*, **2011**, 138, 201-11	9	14
73	Defective T cell chemotaxis to sphingosine 1-phosphate and chemokine CCL21 in idiopathic T lymphocytopenia. *Journal of Clinical Immunology*, **2011**, 31, 744-51	5.7	5
72	Gender specificity of altered human immune cytokine profiles in aging. *FASEB Journal*, **2010**, 24, 3580-9	0.9	72
71	Human CD4- 8- T cells are a distinctive immunoregulatory subset. *FASEB Journal*, **2010**, 24, 2558-66	0.9	10
70	Immunosuppressive human anti-lymphocyte autoantibodies specific for the type 1 sphingosine 1-phosphate receptor. *FASEB Journal*, **2009**, 23, 1786-96	0.9	10
69	Nuclear factor-kappaB-dependent reversal of aging-induced alterations in T cell cytokines. *FASEB Journal*, **2008**, 22, 2142-50	0.9	55
68	Regulation of the roles of sphingosine 1-phosphate and its type 1 G protein-coupled receptor in T cell immunity and autoimmunity. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2008**, 1781, 503-7	5	16
67	Cutting edge: vasoactive intestinal peptide (VIP) induces differentiation of Th17 cells with a distinctive cytokine profile. *Journal of Immunology*, **2008**, 180, 2772-6	5.3	51
66	Changing paradigms in the immunological science of allergy: 2008. *Current Allergy and Asthma Reports*, **2008**, 8, 28-31	5.6	5
65	Diverse mechanisms and consequences of immunoadoption of neuromediator systems. *Annals of the New York Academy of Sciences*, **2008**, 1144, 56-60	6.5	13
64	Sphingosine 1-phosphate and interleukin-4 signaling requirements for peripheral conversion of naïve T cells to adaptive CD4+25+ regulatory T cells. *FASEB Journal*, **2008**, 22, 848.1	0.9	

63	Sphingosine 1-phosphate as an intracellular messenger and extracellular mediator in immunity. *Acta Paediatrica, International Journal of Paediatrics*, **2007**, 96, 49-52	3.1	16
62	Changing paradigms in the immunological science of allergy. *Current Allergy and Asthma Reports*, **2007**, 7, 7-10	5.6	1
61	Type 1 sphingosine 1-phosphate G protein-coupled receptor (S1P1) mediation of enhanced IL-4 generation by CD4 T cells from S1P1 transgenic mice. *Journal of Immunology*, **2007**, 178, 4885-90	5.3	31
60	Distinctive T cell-suppressive signals from nuclearized type 1 sphingosine 1-phosphate G protein-coupled receptors. *Journal of Biological Chemistry*, **2007**, 282, 1964-72	5.4	30
59	Cutting edge: Alternative signaling of Th17 cell development by sphingosine 1-phosphate. *Journal of Immunology*, **2007**, 178, 5425-8	5.3	100
58	Th17 augmentation in OTII TCR plus T cell-selective type 1 sphingosine 1-phosphate receptor double transgenic mice. *Journal of Immunology*, **2007**, 178, 6806-13	5.3	37
57	Diverse pathways for nuclear signaling by G protein-coupled receptors and their ligands. *FASEB Journal*, **2007**, 21, 638-42	0.9	38
56	Changing paradigms in the immunologic science of allergy. *Current Allergy and Asthma Reports*, **2006**, 6, 1-3	5.6	1
55	Nitric oxide signaling via nuclearized endothelial nitric-oxide synthase modulates expression of the immediate early genes iNOS and mPGES-1. *Journal of Biological Chemistry*, **2006**, 281, 16058-67	5.4	68
54	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. *Regulatory Peptides*, **2006**, 137, 75-8		9
53	Sphingosine 1-phosphate and its receptors: an autocrine and paracrine network. *Nature Reviews Immunology*, **2005**, 5, 560-70	36.5	603
52	Type 1 sphingosine 1-phosphate G protein-coupled receptor signaling of lymphocyte functions requires sulfation of its extracellular amino-terminal tyrosines. *FASEB Journal*, **2005**, 19, 1926-8	0.9	20
51	Type 4 sphingosine 1-phosphate G protein-coupled receptor (S1P4) transduces S1P effects on T cell proliferation and cytokine secretion without signaling migration. *FASEB Journal*, **2005**, 19, 1731-3	0.9	113
50	Immunological effects of transgenic constitutive expression of the type 1 sphingosine 1-phosphate receptor by mouse lymphocytes. *Journal of Immunology*, **2005**, 174, 1997-2003	5.3	57
49	A natural variant type II G protein-coupled receptor for vasoactive intestinal peptide with altered function. *Journal of Biological Chemistry*, **2004**, 279, 40259-62	5.4	28
48	The immunosuppressant FTY720 down-regulates sphingosine 1-phosphate G-protein-coupled receptors. *FASEB Journal*, **2004**, 18, 551-3	0.9	451
47	Immunoregulatory lysophospholipids: new stars in the mast cell constellation. *Current Allergy and Asthma Reports*, **2004**, 4, 175-7	5.6	2
46	Sphingosine 1-phosphate and its G protein-coupled receptors constitute a multifunctional immunoregulatory system. *Journal of Cellular Biochemistry*, **2004**, 92, 1104-14	4.7	63

45	An IgM-kappa rat monoclonal antibody specific for the type 1 sphingosine 1-phosphate G protein-coupled receptor with antagonist and agonist activities. *Immunology Letters*, **2004**, 93, 63-9	4.1	13
44	Regulation of immunity by lysosphingolipids and their G protein□oupled receptors. *Journal of Clinical Investigation*, **2004**, 114, 1531-1537	15.9	91
43	Regulation of immunity by lysosphingolipids and their G protein-coupled receptors. *Journal of Clinical Investigation*, **2004**, 114, 1531-7	15.9	43
42	Transduction of multiple effects of sphingosine 1-phosphate (S1P) on T cell functions by the S1P1 G protein-coupled receptor. *Journal of Immunology*, **2003**, 171, 3500-7	5.3	86
41	Modulation of pro-inflammatory gene expression by nuclear lysophosphatidic acid receptor type-1. *Journal of Biological Chemistry*, **2003**, 278, 38875-83	5.4	113
40	Protein kinase C epsilon dependence of the recovery from down-regulation of S1P1 G protein-coupled receptors of T lymphocytes. *Journal of Biological Chemistry*, **2003**, 278, 27737-41	5.4	30
39	Lysophospholipid growth factors and their G protein-coupled receptors in immunity, coronary artery disease, and cancer. *Scientific World Journal, The*, **2002**, 2, 324-38	2.2	26
38	Cutting edge: suppression of T cell chemotaxis by sphingosine 1-phosphate. *Journal of Immunology*, **2002**, 169, 4084-7	5.3	115
37	Activation-regulated expression and chemotactic function of sphingosine 1-phosphate receptors in mouse splenic T cells. *FASEB Journal*, **2002**, 16, 1874-8	0.9	193
36	Immunoeffector and immunoregulatory activities of vasoactive intestinal peptide. *Regulatory Peptides*, **2002**, 109, 199-208		57
35	International Union of Pharmacology. XXXIV. Lysophospholipid receptor nomenclature. *Pharmacological Reviews*, **2002**, 54, 265-9	22.5	393
34	Allergic diathesis in transgenic mice with constitutive T cell expression of inducible vasoactive intestinal peptide receptor. *FASEB Journal*, **2001**, 15, 2489-96	0.9	75
33	Preface: the omnific lysophospholipid growth factors. *Annals of the New York Academy of Sciences*, **2000**, 905, xi-xiv	6.5	11
32	Mechanisms of lysolipid phosphate effects on cellular survival and proliferation. *Annals of the New York Academy of Sciences*, **2000**, 905, 177-87	6.5	43
31	Vasoactive intestinal peptide mediation of development and functions of T lymphocytes. *Annals of the New York Academy of Sciences*, **2000**, 921, 79-91	6.5	31
30	Lysophosphatidic acid and sphingosine 1-phosphate stimulate endothelial cell wound healing. *American Journal of Physiology - Cell Physiology*, **2000**, 278, C612-8	5.4	205
29	Altered expression and functional profile of lysophosphatidic acid receptors in mitogen-activated human blood T lymphocytes. *FASEB Journal*, **2000**, 14, 2387-9	0.9	67
28	Inhibition of expression of the type I G protein-coupled receptor for vasoactive intestinal peptide (VPAC1) by hammerhead ribozymes. *Biochemistry*, **2000**, 39, 9771-7	3.2	5

27	Enhancement by vasoactive intestinal peptide of gamma-interferon production by antigen-stimulated type 1 helper T cells. *FASEB Journal*, **1999**, 13, 347-53	0.9	23
26	Lysophospholipid enhancement of human T cell sensitivity to diphtheria toxin by increased expression of heparin-binding epidermal growth factor. *Proceedings of the Association of American Physicians*, **1999**, 111, 259-69		17
25	Selectivity of effects of vasoactive intestinal peptide on macrophages and lymphocytes in compartmental immune responses. *Annals of the New York Academy of Sciences*, **1998**, 840, 540-50	6.5	28
24	Signaling mechanisms and molecular characteristics of G protein-coupled receptors for lysophosphatidic acid and sphingosine 1-phosphate. *Journal of Cellular Biochemistry*, **1998**, 72 Suppl 30-31, 147-157	4.7	104
23	Diversity of cellular receptors and functions for the lysophospholipid growth factors lysophosphatidic acid and sphingosine 1-phosphate. *FASEB Journal*, **1998**, 12, 1589-1598	0.9	478
22	Vasoactive intestinal peptide enhancement of antigen-induced differentiation of a cultured line of mouse thymocytes. *FASEB Journal*, **1998**, 12, 119-127	0.9	4
21	Signaling mechanisms and molecular characteristics of G protein-coupled receptors for lysophosphatidic acid and sphingosine 1-phosphate **1998**, 72, 147		1
20	Identification of cDNAs encoding two G protein-coupled receptors for lysosphingolipids. *FEBS Letters*, **1997**, 417, 279-82	3.8	200
19	Changes in adhesion molecule expression during distinct patterns of immune cell migration in the inflamed lung. *Archives of Histology and Cytology*, **1996**, 59, 443-52		12
18	Predominant expression of type II vasoactive intestinal peptide receptors by human T lymphoblastoma cells: transduction of both Ca2+ and cyclic AMP signals. *Journal of Clinical Immunology*, **1996**, 16, 21-30	5.7	25
17	Cloning, sequencing and tissue distribution of two related G protein-coupled receptor candidates expressed prominently in human lung tissue. *FEBS Letters*, **1995**, 375, 121-4	3.8	22
16	Diverse mechanisms of specificity of human receptors for eicosanoids. *Annals of the New York Academy of Sciences*, **1994**, 744, 146-54	6.5	3
15	Mediators of communication and adaptation in the neuroendocrine and immune systems. *FASEB Journal*, **1992**, 6, 2646-52	0.9	95
14	Neuropeptides in pulmonary edema fluid of adult respiratory distress syndrome. *Inflammation*, **1992**, 16, 509-17	5.1	27
13	Ligand-induced formation of the leukotriene B4 receptor-G protein complex of human polymorphonuclear leukocytes. *Journal of Cellular Biochemistry*, **1992**, 48, 367-72	4.7	4
12	Relative quantification of collagen mRNA in fibroblasts by a radioactive polymerase chain reaction technique. *Journal of Clinical Laboratory Analysis*, **1991**, 5, 262-7	3	2
11	Polymerase chain reaction amplification of messages for growth factors in cells from human bronchoalveolar lavage fluids. *Inflammation*, **1991**, 15, 259-68	5.1	9
10	Leukotriene D4-induced increases in the cytoplasmic pH of human myelocytic leukocytes. *Journal of Cellular Physiology*, **1988**, 136, 355-60	7	4

9	Receptor-specific mechanisms for the responses of human leukocytes to leukotrienes. *Annals of the New York Academy of Sciences*, **1988**, 524, 345-55	6.5	17
8	Neuropeptide regulation of immediate and delayed hypersensitivity. *International Journal of Neuroscience*, **1988**, 38, 211-21	2	16
7	Dual roles of substance P: modulator of immune and neuroendocrine functions. *Annals of the New York Academy of Sciences*, **1987**, 512, 465-75	6.5	43
6	Preferential human eosinophil chemotactic activity of the platelet-activating factor (PAF) 1-0-hexadecyl-2-acetyl-sn-glyceryl-3-phosphocholine (AGEPC). *Journal of Clinical Immunology*, **1987**, 7, 179-84	5.7	55
5	Immunological mediators of wound healing and fibrosis. *Journal of Cellular Physiology*, **1987**, Suppl 5, 89-93	7	31
4	Alterations in human leukocyte function induced by ingestion of eicosapentaenoic acid. *Journal of Clinical Immunology*, **1986**, 6, 402-10	5.7	146
3	Leukotriene C4 transport and metabolism in the central nervous system. *Journal of Neurochemistry*, **1986**, 46, 1308-12	6	13
2	A sensitive and specific radioimmunoassay for leukotriene C4. *FEBS Letters*, **1983**, 152, 83-8	3.8	40
1	Astrocyte- and neuron-derived extracellular vesicles from Alzheimer's disease patients effect complement-mediated neurotoxicity		2