

Richard M Breyer

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/396485/richard-m-breyer-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88
papers

6,421
citations

42
h-index

80
g-index

93
ext. papers

7,039
ext. citations

8.9
avg, IF

5.42
L-index

#	Paper	IF	Citations
88	Pharmacological blockade of the EP3 prostaglandin E receptor in the setting of type 2 diabetes enhances β cell proliferation and identity and relieves oxidative damage. <i>Molecular Metabolism</i> , 2021 , 54, 101347	8.8	2
87	Rat prostaglandin EP3 receptor is highly promiscuous and is the sole prostanoid receptor family member that regulates INS-1 (832/3) cell glucose-stimulated insulin secretion. <i>Pharmacology Research and Perspectives</i> , 2021 , 9, e00736	3.1	3
86	Prostaglandin E promotes intestinal inflammation via inhibiting microbiota-dependent regulatory T cells. <i>Science Advances</i> , 2021 , 7,	14.3	15
85	Paracrine orchestration of intestinal tumorigenesis by a mesenchymal niche. <i>Nature</i> , 2020 , 580, 524-529	50.4	87
84	Loss of DP1 Aggravates Vascular Remodeling in Pulmonary Arterial Hypertension via mTORC1 Signaling. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 201, 1263-1276	10.2	21
83	DP1 Activation Reverses Age-Related Hypertension Via NEDD4L-Mediated T-Bet Degradation in T Cells. <i>Circulation</i> , 2020 , 141, 655-666	16.7	10
82	Excessive EP4 Signaling in Smooth Muscle Cells Induces Abdominal Aortic Aneurysm by Amplifying Inflammation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, 1559-1573	9.4	4
81	The cyclooxygenase-1/mPGES-1/endothelial prostaglandin EP4 receptor pathway constrains myocardial ischemia-reperfusion injury. <i>Nature Communications</i> , 2019 , 10, 1888	17.4	30
80	The effect of the EP3 antagonist DG-041 on male mice with diet-induced obesity. <i>Prostaglandins and Other Lipid Mediators</i> , 2019 , 144, 106353	3.7	10
79	Epithelial EP4 plays an essential role in maintaining homeostasis in colon. <i>Scientific Reports</i> , 2019 , 9, 15244	4.9	9
78	Central EP3 (E Prostanoid 3) Receptors Mediate Salt-Sensitive Hypertension and Immune Activation. <i>Hypertension</i> , 2019 , 74, 1507-1515	8.5	12
77	Prostaglandin E stimulates adaptive IL-22 production and promotes allergic contact dermatitis. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 141, 152-162	11.5	27
76	Knockout of the Prostaglandin E Receptor Subtype 3 Promotes Eccentric Cardiac Hypertrophy and Fibrosis in Mice. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2017 , 22, 71-82	2.6	14
75	Niacin Promotes Cardiac Healing after Myocardial Infarction through Activation of the Myeloid Prostaglandin D Receptor Subtype 1. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2017 , 360, 435-444	4.7	17
74	Regulation of pancreatic β cell function and mass dynamics by prostaglandin signaling. <i>Journal of Cell Communication and Signaling</i> , 2017 , 11, 105-116	5.2	22
73	Opposing effects of prostaglandin E receptors EP3 and EP4 on mouse and human β cell survival and proliferation. <i>Molecular Metabolism</i> , 2017 , 6, 548-559	8.8	32
72	Niacin ameliorates ulcerative colitis via prostaglandin D-mediated D prostanoid receptor 1 activation. <i>EMBO Molecular Medicine</i> , 2017 , 9, 571-588	12	32

71	PKA regulatory II β subunit is essential for PGD ₂ -mediated resolution of inflammation. <i>Journal of Experimental Medicine</i> , 2016 , 213, 2209-26	16.6	33
70	The PGE ₂ EP ₃ Receptor Regulates Diet-Induced Adiposity in Male Mice. <i>Endocrinology</i> , 2016 , 157, 220-32	4.8	41
69	Prostaglandin E ₂ constrains systemic inflammation through an innate lymphoid cell-IL-22 axis. <i>Science</i> , 2016 , 351, 1333-8	33.3	111
68	Myeloid Cell Prostaglandin E ₂ Receptor EP ₄ Modulates Cytokine Production but Not Atherogenesis in a Mouse Model of Type 1 Diabetes. <i>PLoS ONE</i> , 2016 , 11, e0158316	3.7	10
67	Regulation of arterial reactivity by concurrent signaling through the E-prostanoid receptor 3 and angiotensin receptor 1. <i>Vascular Pharmacology</i> , 2016 , 84, 47-54	5.9	4
66	Prostaglandin E ₂ receptor EP ₃ regulates both adipogenesis and lipolysis in mouse white adipose tissue. <i>Journal of Molecular Cell Biology</i> , 2016 , 8, 518-529	6.3	25
65	EP ₃ receptor deficiency attenuates pulmonary hypertension through suppression of Rho/TGF- β signaling. <i>Journal of Clinical Investigation</i> , 2015 , 125, 1228-42	15.9	56
64	Development of an in vivo active, dual EP ₁ and EP ₃ selective antagonist based on a novel acyl sulfonamide bioisostere. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 37-41	2.9	4
63	Eicosanoids and Renal Function 2013 , 487-509		1
62	Differential stem- and progenitor-cell trafficking by prostaglandin E ₂ . <i>Nature</i> , 2013 , 495, 365-9	50.4	109
61	Prostaglandin E ₂ EP ₃ receptor modulation of insulin secretion in diabetes. <i>FASEB Journal</i> , 2013 , 27, 1169-79	2.9	19
60	EP ₁ disruption attenuates end-organ damage in a mouse model of hypertension. <i>Hypertension</i> , 2012 , 60, 1184-91	8.5	8
59	Inflammatory prostaglandin E ₂ signaling in a mouse model of Alzheimer disease. <i>Annals of Neurology</i> , 2012 , 72, 788-98	9.4	71
58	Inactivation of the E-prostanoid 3 receptor attenuates the angiotensin II pressor response via decreasing arterial contractility. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012 , 32, 3024-32	9.4	42
57	Bidirectional regulation of adrenal catecholamine release by prostaglandin E ₂ . <i>FASEB Journal</i> , 2012 , 26, 879-6	0.9	
56	Evidence for the presence of a critical disulfide bond in the mouse EP ₃ receptor. <i>Prostaglandins and Other Lipid Mediators</i> , 2011 , 94, 53-8	3.7	1
55	Prostaglandin E ₂ modulation of blood pressure homeostasis: studies in rodent models. <i>Prostaglandins and Other Lipid Mediators</i> , 2011 , 96, 10-3	3.7	19
54	Regulation of calcium channels and exocytosis in mouse adrenal chromaffin cells by prostaglandin EP ₃ receptors. <i>Molecular Pharmacology</i> , 2011 , 79, 987-96	4.3	14

53	EP1 receptors exacerbate mortality in a mouse model of hypertension. <i>FASEB Journal</i> , 2011 , 25, 1088-9	0.9	
52	Altered hippocampal long-term synaptic plasticity in mice deficient in the PGE2 EP2 receptor. <i>Journal of Neurochemistry</i> , 2009 , 108, 295-304	6	46
51	Protection of hippocampal neurogenesis from toll-like receptor 4-dependent innate immune activation by ablation of prostaglandin E2 receptor subtype EP1 or EP2. <i>American Journal of Pathology</i> , 2009 , 174, 2300-9	5.8	30
50	Misoprostol, an anti-ulcer agent and PGE2 receptor agonist, protects against cerebral ischemia. <i>Neuroscience Letters</i> , 2008 , 438, 210-5	3.3	54
49	Macrophage EP4 deficiency increases apoptosis and suppresses early atherosclerosis. <i>Cell Metabolism</i> , 2008 , 8, 492-501	24.6	77
48	Increased dietary NaCl induces renal medullary PGE2 production and natriuresis via the EP2 receptor. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 295, F818-25	4.3	51
47	Therapeutic targets in prostaglandin E2 signaling for neurologic disease. <i>Current Medicinal Chemistry</i> , 2008 , 15, 1863-9	4.3	81
46	The prostaglandin E2 EP2 receptor accelerates disease progression and inflammation in a model of amyotrophic lateral sclerosis. <i>Annals of Neurology</i> , 2008 , 64, 304-14	9.4	98
45	Antihypertensive effects of selective prostaglandin E2 receptor subtype 1 targeting. <i>Journal of Clinical Investigation</i> , 2007 , 117, 2496-505	15.9	77
44	Targeting prostaglandin E2 receptors as an alternative strategy to block cyclooxygenase-2-dependent extracellular matrix-induced matrix metalloproteinase-9 expression by macrophages. <i>Journal of Biological Chemistry</i> , 2006 , 281, 3321-8	5.4	79
43	Microglial EP2 as a new target to increase amyloid beta phagocytosis and decrease amyloid beta-induced damage to neurons. <i>Brain Pathology</i> , 2005 , 15, 134-8	6	30
42	Microglial EP2 is critical to neurotoxicity from activated cerebral innate immunity. <i>Glia</i> , 2005 , 52, 70-7	9	101
41	Neuroprotection by the PGE2 EP2 receptor in permanent focal cerebral ischemia. <i>Annals of Neurology</i> , 2005 , 57, 758-61	9.4	113
40	Deletion of the prostaglandin E2 EP2 receptor reduces oxidative damage and amyloid burden in a model of Alzheimer's disease. <i>Journal of Neuroscience</i> , 2005 , 25, 10180-7	6.6	202
39	Characterization of a rabbit kidney prostaglandin F(2{alpha}) receptor exhibiting G(i)-restricted signaling that inhibits water absorption in the collecting duct. <i>Journal of Biological Chemistry</i> , 2005 , 280, 35028-37	5.4	26
38	Colon carcinoma cell growth is associated with prostaglandin E2/EP4 receptor-evoked ERK activation. <i>Journal of Biological Chemistry</i> , 2004 , 279, 29797-804	5.4	121
37	Neuroprotective function of the PGE2 EP2 receptor in cerebral ischemia. <i>Journal of Neuroscience</i> , 2004 , 24, 257-68	6.6	314
36	Membrane-associated PGE synthase-1 (mPGES-1) is coexpressed with both COX-1 and COX-2 in the kidney. <i>Kidney International</i> , 2004 , 65, 1205-13	9.9	72

35	Pharmacology and signaling of prostaglandin receptors: multiple roles in inflammation and immune modulation 2004 , 103, 147-66		627
34	Generation of a conditional allele of the mouse prostaglandin EP4 receptor. <i>Genesis</i> , 2004 , 40, 7-14	1.9	70
33	Eicosanoid Receptors 2004 , 6-9		
32	Expression of the prostaglandin F receptor (FP) gene along the mouse genitourinary tract. <i>American Journal of Physiology - Renal Physiology</i> , 2003 , 284, F1164-70	4.3	32
31	Genomic structure and genitourinary expression of mouse cytosolic prostaglandin E(2) synthase gene. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2003 , 1634, 15-23	5	14
30	Cancer-associated immunodeficiency and dendritic cell abnormalities mediated by the prostaglandin EP2 receptor. <i>Journal of Clinical Investigation</i> , 2003 , 111, 727-35	15.9	184
29	Neuronal oxidative damage from activated innate immunity is EP2 receptor-dependent. <i>Journal of Neurochemistry</i> , 2002 , 83, 463-70	6	117
28	Cloning and expression of the rabbit prostaglandin EP2 receptor. <i>BMC Pharmacology</i> , 2002 , 2, 14		20
27	Prostaglandins that increase renin production in response to ACE inhibition are not derived from cyclooxygenase-1. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002 , 283, R638-46	3.2	37
26	Contribution of prostaglandin EP(2) receptors to renal microvascular reactivity in mice. <i>American Journal of Physiology - Renal Physiology</i> , 2002 , 283, F415-22	4.3	41
25	Opposite effects of cyclooxygenase-1 and -2 activity on the pressor response to angiotensin II. <i>Journal of Clinical Investigation</i> , 2002 , 110, 61-69	15.9	179
24	Opposite effects of cyclooxygenase-1 and -2 activity on the pressor response to angiotensin II. <i>Journal of Clinical Investigation</i> , 2002 , 110, 61-9	15.9	74
23	Targeted gene disruption of the prostaglandin E2 EP2 receptor. <i>Advances in Experimental Medicine and Biology</i> , 2002 , 507, 321-6	3.6	11
22	Dysregulated cytokine production in human cystic fibrosis bronchial epithelial cells. <i>Inflammation</i> , 2001 , 25, 145-55	5.1	67
21	G protein-coupled prostanoid receptors and the kidney. <i>Annual Review of Physiology</i> , 2001 , 63, 579-605	23.1	188
20	Prostanoid receptors: subtypes and signaling. <i>Annual Review of Pharmacology and Toxicology</i> , 2001 , 41, 661-90	17.9	847
19	Peroxisome proliferator-activated receptor-gamma activity is associated with renal microvasculature. <i>American Journal of Physiology - Renal Physiology</i> , 2001 , 281, F1036-46	4.3	60
18	Urogenital distribution of a mouse membrane-associated prostaglandin E(2) synthase. <i>American Journal of Physiology - Renal Physiology</i> , 2001 , 281, F1173-7	4.3	56

17	EP2 receptors mediate airway relaxation to substance P, ATP, and PGE2. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2001 , 281, L469-74	5.8	61
16	Structure-function analyses of eicosanoid receptors. Physiologic and therapeutic implications. <i>Annals of the New York Academy of Sciences</i> , 2000 , 905, 221-31	6.5	35
15	Prostaglandin receptors: their role in regulating renal function. <i>Current Opinion in Nephrology and Hypertension</i> , 2000 , 9, 23-9	3.5	81
14	Prostaglandin E receptors and the kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2000 , 279, F12-23	4.3	210
13	EP(2) receptor mediates bronchodilation by PGE(2) in mice. <i>Journal of Applied Physiology</i> , 2000 , 88, 2214-8	3.7	76
12	Knockout of the murine prostaglandin EP2 receptor impairs osteoclastogenesis in vitro. <i>Endocrinology</i> , 2000 , 141, 2054-61	4.8	144
11	Characterization of murine vasopressor and vasodepressor prostaglandin E(2) receptors. <i>Hypertension</i> , 2000 , 35, 1129-34	8.5	72
10	Importance of the extracellular domain for prostaglandin EP(2) receptor function. <i>Molecular Pharmacology</i> , 1999 , 56, 545-51	4.3	23
9	Salt-sensitive hypertension and reduced fertility in mice lacking the prostaglandin EP2 receptor. <i>Nature Medicine</i> , 1999 , 5, 217-20	50.5	330
8	A conserved threonine in the second extracellular loop of the human EP2 and EP4 receptors is required for ligand binding. <i>European Journal of Pharmacology</i> , 1998 , 357, 73-82	5.3	37
7	Regulation of renal function by prostaglandin E receptors. <i>Kidney International</i> , 1998 , 67, S88-94	9.9	67
6	The second extracellular loop of the prostaglandin EP3 receptor is an essential determinant of ligand selectivity. <i>Journal of Biological Chemistry</i> , 1997 , 272, 13475-8	5.4	48
5	Prostanoid receptor with a novel pharmacological profile in human erythroleukemia cells. <i>Biochemical Pharmacology</i> , 1997 , 54, 917-26	6	8
4	Substitution of charged amino acid residues in transmembrane regions 6 and 7 affect ligand binding and signal transduction of the prostaglandin EP3 receptor. <i>Molecular Pharmacology</i> , 1997 , 51, 61-8	4.3	44
3	Intrarenal distribution of rabbit PKC zeta. <i>Kidney International</i> , 1997 , 51, 1831-7	9.9	2
2	Functional and molecular aspects of prostaglandin E receptors in the cortical collecting duct. <i>Canadian Journal of Physiology and Pharmacology</i> , 1995 , 73, 172-9	2.4	24
1	In situ hybridization and localization of mRNA for the rabbit prostaglandin EP3 receptor. <i>Kidney International</i> , 1993 , 44, 1372-8	9.9	67