

# Peter W Abel

## List of Publications by Year in descending order

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81  
papers

2,071  
citations

257101

24  
h-index

233125

45  
g-index

83  
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83  
docs citations

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times ranked

1772  
citing authors

#	ARTICLE	IF	CITATIONS
1	Î±1Adrenoceptor subtypes linked to different mechanisms for increasing intracellular Ca <sup>2+</sup> in smooth muscle. <i>Nature</i> , 1987, 329, 333-335.	13.7	492
2	Breast Cancer Migration and Invasion Depend on Proteasome Degradation of Regulator of G-Protein Signaling 4. <i>Cancer Research</i> , 2009, 69, 5743-5751.	0.4	116
3	? 1- and? 2-adrenoceptor binding and functional response in right and left atria of rat heart. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1985, 330, 193-202.	1.4	98
4	Transforming growth factor (TGF)-Î²1-induced miR-133a inhibits myofibroblast differentiation and pulmonary fibrosis. <i>Cell Death and Disease</i> , 2019, 10, 670.	2.7	97
5	Neuropeptide Y Potentiates Contraction and Inhibits Relaxation of Rabbit Coronary Arteries. <i>Journal of Cardiovascular Pharmacology</i> , 1987, 9, 675-681.	0.8	74
6	Activation of Î±1-adrenoceptors increases [3H]inositol metabolism in rat vas deferens and caudal artery. <i>European Journal of Pharmacology</i> , 1985, 116, 145-152.	1.7	59
7	Isolation, structural characterization and pharmacological activity of dog neuromedin U. <i>Peptides</i> , 1991, 12, 11-15.	1.2	59
8	GÎ²Î³ Signaling Promotes Breast Cancer Cell Migration and Invasion. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 333, 393-403.	1.3	58
9	Purification and characterization of antimicrobial and vasorelaxant peptides from skin extracts and skin secretions of the North American pig frog <i>Rana grylio</i> . <i>Regulatory Peptides</i> , 2000, 90, 53-60.	1.9	53
10	Respiratory dysfunction progresses with age in <i>Kcna1</i> null mice, a model of sudden unexpected death in epilepsy. <i>Epilepsia</i> , 2018, 59, 345-357.	2.6	52
11	Expression of genes encoding antimicrobial and bradykinin-related peptides in skin of the stream brown frog <i>Rana sakuraii</i> . <i>Peptides</i> , 2007, 28, 505-514.	1.2	51
12	Primary structure and pharmacological activity of a nonapeptide related to neuromedin U isolated from chicken intestine. <i>Peptides</i> , 1991, 12, 809-812.	1.2	50
13	The role of voltage-gated potassium channels in the regulation of mouse uterine contractility. <i>Reproductive Biology and Endocrinology</i> , 2007, 5, 41.	1.4	42
14	Epigenetic repression of regulator of Gâ€protein signaling 2 promotes androgenâ€independent prostate cancer cell growth. <i>International Journal of Cancer</i> , 2012, 130, 1521-1531.	2.3	42
15	Regulator of G protein signaling 2 is a key modulator of airway hyperresponsiveness. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 130, 968-976.e3.	1.5	40
16	Bradykinin-related peptides and tryptophyllins in the skin secretions of the most primitive extant frog, <i>Ascaphus truei</i> . <i>General and Comparative Endocrinology</i> , 2005, 143, 193-199.	0.8	36
17	High levels of NPY in rabbit cerebrospinal fluid and immunohistochemical analysis of possible sources. <i>Brain Research</i> , 1988, 463, 259-267.	1.1	33
18	Phosphoinositide 3-Kinase Î³ Regulates Airway Smooth Muscle Contraction by Modulating Calcium Oscillations. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 334, 703-709.	1.3	32

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19	TH17 cells and corticosteroid insensitivity in severe asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 467-479.	1.5	31
20	Neuropeptide Y: vasoconstrictor effects and possible role in cerebral vasospasm after experimental subarachnoid hemorrhage. <i>Brain Research</i> , 1988, 463, 250-258.	1.1	30
21	Norepinephrine produces tension through electromechanical coupling in rabbit ear artery. <i>European Journal of Pharmacology</i> , 1981, 72, 87-91.	1.7	29
22	Epigenetic Regulation of Phosphatidylinositol 3,4,5-Triphosphate-dependent Rac Exchanger 1 Gene Expression in Prostate Cancer Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 25813-25822.	1.6	28
23	Synthesis and biological activity of C-terminally truncated fragments of human- $\alpha$ -calcitonin gene-related peptide. <i>Journal of Medicinal Chemistry</i> , 1993, 36, 2536-2541.	2.9	26
24	DHHC protein-dependent palmitoylation protects regulator of G-protein signaling 4 from proteasome degradation. <i>FEBS Letters</i> , 2010, 584, 4570-4574.	1.3	25
25	Identification of upregulated phosphoinositide 3-kinase $\beta$ as a target to suppress breast cancer cell migration and invasion. <i>Biochemical Pharmacology</i> , 2013, 85, 1454-1462.	2.0	25
26	Regulator of G-Protein Signaling 2 Repression Exacerbates Airway Hyper-Responsiveness and Remodeling in Asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015, 53, 42-49.	1.4	24
27	Upregulation of RGS2: a new mechanism for pirfenidone amelioration of pulmonary fibrosis. <i>Respiratory Research</i> , 2016, 17, 103.	1.4	24
28	Relationship between $\beta$ 1-adrenoreceptor density and functional response of rat vas deferens. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1984, 327, 238-246.	1.4	23
29	TGF- $\beta$ 1-induced miR-424 promotes pulmonary myofibroblast differentiation by targeting Slit2 protein expression. <i>Biochemical Pharmacology</i> , 2020, 180, 114172.	2.0	23
30	Modifications to the N-Terminus but Not the C-Terminus of Calcitonin Gene-Related Peptide(8-37) Produce Antagonists with Increased Affinity. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 2427-2435.	2.9	22
31	Targeting Phosphoinositide 3-Kinase $\beta$ in Airway Smooth Muscle Cells to Suppress Interleukin-13-Induced Mouse Airway Hyperresponsiveness. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 342, 305-311.	1.3	20
32	Binding of agonists and antagonists to $\beta$ -adrenoceptors in rat vas deferens: relationship to functional response. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1985, 331, 324-333.	1.4	19
33	Progressive cardiorespiratory dysfunction in Kv1.1 knockout mice may provide temporal biomarkers of pending sudden unexpected death in epilepsy (SUDEP): The contribution of orexin. <i>Epilepsia</i> , 2020, 61, 572-588.	2.6	19
34	Evidence that neuromedin U may regulate gut motility in reptiles but not in mammals. <i>European Journal of Pharmacology</i> , 1989, 171, 255-257.	1.7	17
35	Tonic Inhibitory Role for cAMP in $\beta$ 1-Adrenergic Receptor Coupling to Extracellular Signal-Regulated Kinases 1/2. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 303, 247-256.	1.3	17
36	Relationship between $\beta$ 1-Adrenergic Receptor-Induced Contraction and Extracellular Signal-Regulated Kinase Activation in the Bovine Inferior Alveolar Artery. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 303, 403-411.	1.3	16

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37	Pharmacological Characterization of Novel $\hat{\pm}$ -Calcitonin Gene-Related Peptide (CGRP) Receptor Peptide Antagonists That Are Selective for Human CGRP Receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 319, 749-757.	1.3	16
38	Vasodilator drug effects on internal mammary artery and saphenous vein grafts. <i>Journal of the American College of Cardiology</i> , 1988, 11, 1317-1324.	1.2	15
39	Structure-Activity Studies on Position 14 of Human $\hat{\pm}$ -Calcitonin Gene-Related Peptide. <i>Journal of Medicinal Chemistry</i> , 1997, 40, 3071-3076.	2.9	15
40	Vasopressin receptor mediated contraction and [ $^3$ H]inositol metabolism in rat tail artery. <i>European Journal of Pharmacology</i> , 1987, 135, 1-10.	1.7	14
41	Up-regulated miR-133a orchestrates epithelial-mesenchymal transition of airway epithelial cells. <i>Scientific Reports</i> , 2018, 8, 15543.	1.6	14
42	Submandibular Gland Acinar Cells Express Multiple $\hat{\pm}$ 1-Adrenoceptor Subtypes. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 311, 364-372.	1.3	12
43	Neuropeptide $\hat{\pm}$ -(1-9)-Peptide: A Major Product of the Posttranslational Processing of $\hat{\pm}$ -Preprotachykinin in Rat Tissues. <i>Journal of Neurochemistry</i> , 1993, 61, 1231-1235.	2.1	11
44	Effect of interleukin 13 on bronchial hyperresponsiveness and the bronchoprotective effect of $\hat{\pm}$ 2-adrenergic bronchodilators and corticosteroids. <i>Annals of Allergy, Asthma and Immunology</i> , 2009, 102, 190-197.	0.5	11
45	Characterization of the $\hat{\pm}$ 1-adrenoceptor subtype activating extracellular signal-regulated kinase in submandibular gland acinar cells. <i>European Journal of Pharmacology</i> , 2008, 578, 349-358.	1.7	10
46	Phorbol myristate acetate suppresses breast cancer cell growth via down-regulation of P-Rex1 expression. <i>Protein and Cell</i> , 2016, 7, 445-449.	4.8	9
47	Regulation of $\hat{\pm}$ 2-adrenoceptor density and function in rat vas deferens. <i>European Journal of Pharmacology</i> , 1986, 122, 221-229.	1.7	6
48	Airway relaxation mechanisms and structural basis of osthole for improving lung function in asthma. <i>Science Signaling</i> , 2020, 13, .	1.6	6
49	Contraction and Relaxation of Rabbit Basilar Artery by Thiopental. <i>Neurosurgery</i> , 1985, 17, 433-435.	0.6	5
50	Relationship of alpha-1 Adrenergic Receptor Occupancy to Tissue Response. <i>Receptors</i> , 1987, , 267-324.	0.2	5
51	Effects of Trout Endothelin on the Motility of Gastrointestinal Smooth Muscle from the Trout and Rat. <i>General and Comparative Endocrinology</i> , 2001, 123, 156-162.	0.8	4
52	N-terminally bis(2-chloroethyl)amino and Fluorosulphonyl Analogues of Calcitonin Gene-Related Peptide (8-37): Irreversible Antagonists at Calcitonin Gene-Related Peptide Receptors. <i>Chemical Biology and Drug Design</i> , 2007, 70, 216-226.	1.5	4
53	An Efficient Synthesis of 4(5)-Benzyl-L-histidines Employing Catalytic Transfer Hydrogenolysis at Elevated Temperatures. <i>Synthesis</i> , 2014, 46, 515-521.	1.2	4
54	Pentoxifylline. , 2008, , 1-18.		3

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55	Upregulated P-Rex1 exacerbates human airway smooth muscle hyperplasia in asthma. Journal of Allergy and Clinical Immunology, 2019, 143, 778-781.e5.	1.5	3
56	Differential actions of lamprey peptide methionine-tyrosine at Y1 and Y2 neuropeptide Y receptors. Regulatory Peptides, 1994, 54, 489-493.	1.9	1
57	TGF $\beta$ 1-induced miR424 Mediates Pulmonary Myofibroblast Differentiation via Targeting Slit2. FASEB Journal, 2019, 33, 681.9.	0.2	1
58	Adrenomedullin. , 2007, , 1-7.		0
59	Hyperkalemia. , 2007, , 1-4.		0
60	Salcatonin. , 2008, , 1-7.		0
61	$\beta$ -Adrenoceptor Assays. Current Protocols in Pharmacology, 2012, 59, Unit 4.5.	4.0	0
62	Expression of two pore-domain potassium channels in mouse myometrial cells. FASEB Journal, 2006, 20, A327.	0.2	0
63	Characterization of the $\beta$ 1 adrenoceptor subtype ( $\beta$ 1AR) and its signaling pathway for activation of ERK 1/2 in submandibular gland acinar cells. FASEB Journal, 2006, 20, A255.	0.2	0
64	Identification of a Rat RAMP2 Isoform. FASEB Journal, 2006, 20, A695.	0.2	0
65	Isoproterenol. , 2007, , 1-7.		0
66	Compound 1. , 2007, , 1-4.		0
67	BIBN4096BS. , 2007, , 1-5.		0
68	Calcitonin Gene-Related Peptide. , 2007, , 1-4.		0
69	Human alphaCGRP-8-37. , 2007, , 1-6.		0
70	G $\beta$ 3 Signaling Promotes Breast Cancer Cell Migration and Invasion. FASEB Journal, 2010, 24, 964.16.	0.2	0
71	Protein kinase C (PKC) regulates phosphatidylinositol(3,4,5)triphosphate-dependent Rac exchange factor 1 (P-Rex1) gene expression through a histone deacetylase interaction with Sp1 in prostate cancer. FASEB Journal, 2011, 25, 1090.2.	0.2	0
72	Regulator of G Protein Signaling 2 (RGS2) regulates pulmonary vasoconstriction. FASEB Journal, 2012, 26, 842.9.	0.2	0

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73	Targeting phosphoinositide 3-kinase $\hat{3}$ in airway smooth muscle cells to suppress interleukin-13-induced mouse airway hyperresponsiveness. FASEB Journal, 2012, 26, 667.4.	0.2	0
74	PKC $\hat{m}$ -mediated P $\hat{a}$ -Rex1 downregulation suppresses breast cancer cell proliferation. FASEB Journal, 2013, 27, 1096.10.	0.2	0
75	RGS2 repression increases susceptibility of mice to interleukin-13-induced airway hyperresponsiveness. FASEB Journal, 2013, 27, 1095.8.	0.2	0
76	Effects of hypoxia on regulators of G $\hat{a}$ -protein signaling 2 (RGS2) regulation of pulmonary arterial constriction. FASEB Journal, 2013, 27, 1141.3.	0.2	0
77	RGS2 Repression Exacerbates Airway Hyperresponsiveness and Remodeling in Asthma. FASEB Journal, 2015, 29, 775.10.	0.2	0
78	Targeting Androgen Receptor and TRAIL: A Novel Treatment Paradigm for Breast Cancer. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, OR35-3.	0.0	0
79	Targeting Androgen Receptor and TRAIL: A Novel Treatment Paradigm for Breast Cancer. FASEB Journal, 2018, 32, 835.10.	0.2	0
80	Pharmacokinetic Modeling of Acetylcholine-Induced Contraction of Mouse Trachea. FASEB Journal, 2018, 32, 834.1.	0.2	0
81	Airway Relaxation Mechanisms and Structural Basis of Osthole to Improve Lung Function in Asthma. FASEB Journal, 2020, 34, 1-1.	0.2	0