

Peter E Light

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

2,048
citations

279798

23
h-index

276875

41
g-index

45
all docs

45
docs citations

45
times ranked

2943
citing authors

#	ARTICLE	IF	CITATIONS
1	Mixed SYGnals in potassium channels: a mechanism for alternative ion conduction in human Kir3.2 channel mutations. <i>Journal of Physiology</i> , 2022, 600, 427-428.	2.9	0
2	Heterogenous impairment of \hat{I}_{\pm} cell function in type 2 diabetes is linked to cell maturation state. <i>Cell Metabolism</i> , 2022, 34, 256-268.e5.	16.2	39
3	Cardiac mechanisms of the beneficial effects of SGLT2 inhibitors in heart failure: Evidence for potential off-target effects. <i>Journal of Molecular and Cellular Cardiology</i> , 2022, 167, 17-31.	1.9	52
4	TRPV1 channels as a newly identified target for vitamin D. <i>Channels</i> , 2021, 15, 360-374.	2.8	6
5	Evidence for the existence and potential roles of intra-islet glucagon-like peptide-1. <i>Islets</i> , 2021, 13, 32-50.	1.8	8
6	Stevioside Potentiates Calcium Activity and Insulin Secretion in Human Pancreatic Islets Through Potentiation of TRPM5. <i>FASEB Journal</i> , 2021, 35, .	0.5	1
7	Cardiac Late Sodium Channel Current Is a Molecular Target for the Sodium/Glucose Cotransporter 2 Inhibitor Empagliflozin. <i>Circulation</i> , 2021, 143, 2188-2204.	1.6	105
8	Decoding the effects of SGLT2 inhibitors on cardiac arrhythmias in heart failure. <i>European Heart Journal</i> , 2021, 42, 3739-3740.	2.2	16
9	Noninvasive Glucose Sensing in Aqueous Solutions Using an Active Split-Ring Resonator. <i>IEEE Sensors Journal</i> , 2021, 21, 18742-18755.	4.7	84
10	Vitamin D is an endogenous partial agonist of the transient receptor potential vanilloid 1 channel. <i>Journal of Physiology</i> , 2020, 598, 4321-4338.	2.9	24
11	Non-invasive continuous-time glucose monitoring system using a chipless printable sensor based on split ring microwave resonators. <i>Scientific Reports</i> , 2020, 10, 12980.	3.3	95
12	Selective enhancement of cardiomyocyte efficiency results in a pernicious heart condition. <i>PLoS ONE</i> , 2020, 15, e0236457.	2.5	3
13	Human islets contain a subpopulation of glucagon-like peptide-1 secreting \hat{I}_{\pm} cells that is increased in type 2 diabetes. <i>Molecular Metabolism</i> , 2020, 39, 101014.	6.5	44
14	Empagliflozin Blunts Worsening Cardiac Dysfunction Associated With Reduced NLRP3 (Nucleotide-Binding Domain-Like Receptor Protein 3) Inflammasome Activation in Heart Failure. <i>Circulation: Heart Failure</i> , 2020, 13, e006277.	3.9	153
15	The DPP4 Inhibitor Sitagliptin Increases Active Glp-1 Levels from Human Islets and May Increase Islet Cell Survival Prior to Transplantation. <i>OBM Transplantation</i> , 2019, 3, 1-1.	0.2	6
16	Direct Binding between Pre-S1 and TRP-like Domains in TRPP Channels Mediates Gating and Functional Regulation by PIP2. <i>Cell Reports</i> , 2018, 22, 1560-1573.	6.4	37
17	Identification and characterization of hydrophobic gate residues in TRP channels. <i>FASEB Journal</i> , 2018, 32, 639-653.	0.5	32
18	The mechano-sensitivity of cardiac ATP-sensitive potassium channels is mediated by intrinsic MgATPase activity. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 108, 34-41.	1.9	8

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19	N-acyl Taurines and Acylcarnitines Cause an Imbalance in Insulin Synthesis and Secretion Provoking \hat{I}^2 Cell Dysfunction in Type 2 Diabetes. <i>Cell Metabolism</i> , 2017, 25, 1334-1347.e4.	16.2	87
20	Chronic insulin infusion induces reversible glucose intolerance in lean rats yet ameliorates glucose intolerance in obese rats. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 313-322.	2.4	6
21	Subcutaneous white adipocytes express a light sensitive signaling pathway mediated via a melanopsin/TRPC channel axis. <i>Scientific Reports</i> , 2017, 7, 16332.	3.3	35
22	Hearts lacking plasma membrane K _{ATP} channels display changes in basal aerobic metabolic substrate preference and AMPK activity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 313, H469-H478.	3.2	8
23	Molecular determinants of ATP-sensitive potassium channel MgATPase activity: diabetes risk variants and diazoxide sensitivity. <i>Bioscience Reports</i> , 2015, 35, .	2.4	7
24	Resveratrol and derivatives for the treatment of atrial fibrillation. <i>Annals of the New York Academy of Sciences</i> , 2015, 1348, 68-74.	3.8	17
25	AMPK deficiency in cardiac muscle results in dilated cardiomyopathy in the absence of changes in energy metabolism. <i>Cardiovascular Research</i> , 2015, 107, 235-245.	3.8	67
26	Comparative cardiovascular safety of insulin secretagogues following hospitalization for ischemic heart disease among type 2 diabetes patients: a cohort study. <i>Journal of Diabetes and Its Complications</i> , 2015, 29, 196-202.	2.3	15
27	A fatty acid-dependent hypothalamic \hat{I}^2 neurocircuitry that regulates hepatic secretion of triglyceride-rich lipoproteins. <i>Nature Communications</i> , 2015, 6, 5970.	12.8	33
28	Intracellular Long-Chain Acyl CoAs Activate TRPV1 Channels. <i>PLoS ONE</i> , 2014, 9, e96597.	2.5	17
29	Modulation of Resistance Artery Tone by the Trace Amine \hat{I}^2 -Phenylethylamine: Dual Indirect Sympathomimetic and \hat{I}^1 -Adrenoceptor Blocking Actions. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014, 351, 164-171.	2.5	9
30	Characterization of a novel multifunctional resveratrol derivative for the treatment of atrial fibrillation. <i>British Journal of Pharmacology</i> , 2014, 171, 92-106.	5.4	26
31	Hypothalamic glucagon signals through the KATP channels to regulate glucose production. <i>Molecular Metabolism</i> , 2014, 3, 202-208.	6.5	27
32	Future Perspectives in the Pharmacological Treatment of Atrial Fibrillation and Ventricular Arrhythmias in Heart Failure. <i>Current Pharmaceutical Design</i> , 2014, 21, 1011-1029.	1.9	4
33	The ATP-Sensitive K ⁺ Channel ABCC8 S1369A Type 2 Diabetes Risk Variant Increases MgATPase Activity. <i>Diabetes</i> , 2012, 61, 241-249.	0.6	30
34	Triton X \hat{I}^100 inhibits L \hat{I}^1 type voltage \hat{I}^1 operated calcium channels. <i>FASEB Journal</i> , 2012, 26, 1115.15.	0.5	0
35	The molecular mechanisms and pharmacotherapy of ATP-sensitive potassium channel gene mutations underlying neonatal diabetes. <i>Pharmacogenomics and Personalized Medicine</i> , 2010, 3, 145.	0.7	12
36	Resveratrol Prevents the Prohypertrophic Effects of Oxidative Stress on LKB1. <i>Circulation</i> , 2009, 119, 1643-1652.	1.6	210

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37	Resveratrol Inhibits Cardiac Hypertrophy via AMP-activated Protein Kinase and Akt. <i>Journal of Biological Chemistry</i> , 2008, 283, 24194-24201.	3.4	216
38	Ranolazine decreases diastolic calcium accumulation caused by ATX-II or ischemia in rat hearts. <i>Journal of Molecular and Cellular Cardiology</i> , 2006, 41, 1031-1038.	1.9	119
39	Familial Wolff-Parkinson-White Syndrome: A Disease of Glycogen Storage or Ion Channel Dysfunction?. <i>Journal of Cardiovascular Electrophysiology</i> , 2006, 17, S158-S161.	1.7	18
40	Increased KATP channel current in pancreatic beta cells over expressing fatty acyl CoA synthetase I. <i>FASEB Journal</i> , 2006, 20, A299.	0.5	0
41	Constitutively Active Adenosine Monophosphate-Activated Protein Kinase Regulates Voltage-Gated Sodium Channels in Ventricular Myocytes. <i>Circulation</i> , 2003, 107, 1962-1965.	1.6	85
42	Glucagon-Like Peptide-1 Inhibits Pancreatic ATP-Sensitive Potassium Channels via a Protein Kinase A- and ADP-Dependent Mechanism. <i>Molecular Endocrinology</i> , 2002, 16, 2135-2144.	3.7	145
43	Distinct myoprotective roles of cardiac sarcolemmal and mitochondrial K ATP channels during metabolic inhibition and recovery. <i>FASEB Journal</i> , 2001, 15, 2586-2594.	0.5	90
44	Inhibition by Protein Kinase C of the KNDP Subtype of Vascular Smooth Muscle ATP-Sensitive Potassium Channel. <i>Circulation Research</i> , 2000, 87, 112-117.	4.5	51