Peter E Light

List of Publications by Year
in descending order

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	Resveratrol Inhibits Cardiac Hypertrophy via AMP-activated Protein Kinase and Akt. Journal of Biological Chemistry, 2008, 283, 24194-24201.	3.4	216
2	Resveratrol Prevents the Prohypertrophic Effects of Oxidative Stress on LKB1. Circulation, 2009, 119, 1643-1652.	1.6	210
3	Empagliflozin Blunts Worsening Cardiac Dysfunction Associated With Reduced NLRP3 (Nucleotide-Binding Domain-Like Receptor Protein 3) Inflammasome Activation in Heart Failure. Circulation: Heart Failure, 2020, 13, e006277.	3.9	153
4	Glucagon-Like Peptide-1 Inhibits Pancreatic ATP-Sensitive Potassium Channels via a Protein Kinase A- and ADP-Dependent Mechanism. Molecular Endocrinology, 2002, 16, 2135-2144.	3.7	145
5	Ranolazine decreases diastolic calcium accumulation caused by ATX-II or ischemia in rat hearts. Journal of Molecular and Cellular Cardiology, 2006, 41, 1031-1038.	1.9	119
6	Cardiac Late Sodium Channel Current Is a Molecular Target for the Sodium/Glucose Cotransporter 2 Inhibitor Empagliflozin. Circulation, 2021, 143, 2188-2204.	1.6	105
7	Non-invasive continuous-time glucose monitoring system using a chipless printable sensor based on split ring microwave resonators. Scientific Reports, 2020, 10, 12980.	3.3	95
8	Distinct myoprotective roles of cardiac sarcolemmal and mitochondrial K ATP channels during metabolic inhibition and recovery. FASEB Journal, 2001, 15, 2586-2594.	0.5	90
9	N-acyl Taurines and Acylcarnitines Cause an Imbalance in Insulin Synthesis and Secretion Provoking Î² Cell Dysfunction in Type 2 Diabetes. Cell Metabolism, 2017, 25, 1334-1347.e4.	16.2	87
10	Constitutively Active Adenosine Monophosphateâ€“Activated Protein Kinase Regulates Voltage-Gated Sodium Channels in Ventricular Myocytes. Circulation, 2003, 107, 1962-1965.	1.6	85
11	Noninvasive Glucose Sensing in Aqueous Solutions Using an Active Split-Ring Resonator. IEEE Sensors Journal, 2021, 21, 18742-18755.	4.7	84
12	AMPK deficiency in cardiac muscle results in dilated cardiomyopathy in the absence of changes in energy metabolism. Cardiovascular Research, 2015, 107, 235-245.	3.8	67
13	Cardiac mechanisms of the beneficial effects of SGLT2 inhibitors in heart failure: Evidence for potential off-target effects. Journal of Molecular and Cellular Cardiology, 2022, 167, 17-31.	1.9	52
14	Inhibition by Protein Kinase C of the KNDPSubtype of Vascular Smooth Muscle ATP-Sensitive Potassium Channel. Circulation Research, 2000, 87, 112-117.	4.5	51
15	Human islets contain a subpopulation of glucagon-like peptide-1 secreting Î± cells that is increased in type 2 diabetes. Molecular Metabolism, 2020, 39, 101014.	6.5	44
16	Heterogenous impairment of Î± cell function in type 2 diabetes is linked to cell maturation state. Cell Metabolism, 2022, 34, 256-268.e5.	16.2	39
17	Direct Binding between Pre-S1 and TRP-like Domains in TRPP Channels Mediates Gating and Functional Regulation by PIP2. Cell Reports, 2018, 22, 1560-1573.	6.4	37
18	Subcutaneous white adipocytes express a light sensitive signaling pathway mediated via a melanopsin/TRPC channel axis. Scientific Reports, 2017, 7, 16332.	3.3	35

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19	A fatty acid-dependent hypothalamicâ€“DVC neurocircuitry that regulates hepatic secretion of triglyceride-rich lipoproteins. Nature Communications, 2015, 6, 5970.	12.8	33
20	Identification and characterization of hydrophobic gate residues in TRP channels. FASEB Journal, 2018, 32, 639-653.	0.5	32
21	The ATP-Sensitive K+ Channel ABCC8 S1369A Type 2 Diabetes Risk Variant Increases MgATPase Activity. Diabetes, 2012, 61, 241-249.	0.6	30
22	Hypothalamic glucagon signals through the KATP channels to regulate glucose production. Molecular Metabolism, 2014, 3, 202-208.	6.5	27
23	Characterization of a novel multifunctional resveratrol derivative for the treatment of atrial fibrillation. British Journal of Pharmacology, 2014, 171, 92-106.	5.4	26
24	Vitamin D is an endogenous partial agonist of the transient receptor potential vanilloid 1 channel. Journal of Physiology, 2020, 598, 4321-4338.	2.9	24
25	Familial Wolff-Parkinson-White Syndrome: A Disease of Glycogen Storage or Ion Channel Dysfunction?. Journal of Cardiovascular Electrophysiology, 2006, 17, S158-S161.	1.7	18
26	Intracellular Long-Chain Acyl CoAs Activate TRPV1 Channels. PLoS ONE, 2014, 9, e96597.	2.5	17
27	Resveratrol and derivatives for the treatment of atrial fibrillation. Annals of the New York Academy of Sciences, 2015, 1348, 68-74.	3.8	17
28	Decoding the effects of SGLT2 inhibitors on cardiac arrhythmias in heart failure. European Heart Journal, 2021, 42, 3739-3740.	2.2	16
29	Comparative cardiovascular safety of insulin secretagogues following hospitalization for ischemic heart disease among type 2 diabetes patients: a cohort study. Journal of Diabetes and Its Complications, 2015, 29, 196-202.	2.3	15
30	The molecular mechanisms and pharmacotherapy of ATP-sensitive potassium channel gene mutations underlying neonatal diabetes. Pharmacogenomics and Personalized Medicine, 2010, 3, 145.	0.7	12
31	Modulation of Resistance Artery Tone by the Trace Amine Î²-Phenylethylamine: Dual Indirect Sympathomimetic and Î±1-Adrenoceptor Blocking Actions. Journal of Pharmacology and Experimental Therapeutics, 2014, 351, 164-171.	2.5	9
32	The mechano-sensitivity of cardiac ATP-sensitive potassium channels is mediated by intrinsic MgATPase activity. Journal of Molecular and Cellular Cardiology, 2017, 108, 34-41.	1.9	8
33	Hearts lacking plasma membrane K_{ATP} channels display changes in basal aerobic metabolic substrate preference and AMPK activity. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H469-H478.	3.2	8
34	Evidence for the existence and potential roles of intra-islet glucagon-like peptide-1. Islets, 2021, 13, 32-50.	1.8	8
35	Molecular determinants of ATP-sensitive potassium channel MgATPase activity: diabetes risk variants and diazoxide sensitivity. Bioscience Reports, 2015, 35, .	2.4	7
36	Chronic insulin infusion induces reversible glucose intolerance in lean rats yet ameliorates glucose intolerance in obese rats. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 313-322.	2.4	6

#	Article	IF	Citations
37	TRPV1 channels as a newly identified target for vitamin D. Channels, 2021, 15, 360-374.	2.8	6
38	The DPP4 Inhibitor Sitagliptin Increases Active Glp-1 Levels from Human Islets and May Increase Islet Cell Survival Prior to Transplantation. OBM Transplantation, 2019, 3, 1-1.	0.2	6
39	Future Perspectives in the Pharmacological Treatment of Atrial Fibrillation and Ventricular Arrhythmias in Heart Failure. Current Pharmaceutical Design, 2014, 21, 1011-1029.	1.9	4
40	Selective enhancement of cardiomyocyte efficiency results in a pernicious heart condition. PLoS ONE, 2020, 15, e0236457.	2.5	3
41	Stevioside Potentiates Calcium Activity and Insulin Secretion in Human Pancreatic Islets Through Potentiation of TRPM5. FASEB Journal, 2021, 35, .	0.5	1
42	Increased KATP channel current in pancreatic beta cells over expressing fatty acyl CoA synthetase I. FASEB Journal, 2006, 20, A299.	0.5	0
43	Triton Xâ€100 inhibits Lâ€type voltageâ€operated calcium channels. FASEB Journal, 2012, 26, 1115.15.	0.5	0
44	Mixed SYGnals in potassium channels: a mechanism for alternative ion conduction in human Kir3.2 channel mutations. Journal of Physiology, 2022, 600, 427-428.	2.9	0