

Daria Mochly-Rosen

List of Publications by Citations

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207
papers

15,061
citations

70
h-index

117
g-index

225
ext. papers

16,869
ext. citations

8.7
avg, IF

6.69
L-index

#	Paper	IF	Citations
207	Activation of aldehyde dehydrogenase-2 reduces ischemic damage to the heart. <i>Science</i> , 2008 , 321, 1493-53	35.3	558
206	Protein kinase C isozymes and the regulation of diverse cell responses. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2000 , 279, L429-38	5.8	542
205	Anchoring proteins for protein kinase C: a means for isozyme selectivity. <i>FASEB Journal</i> , 1998 , 12, 35-42	0.9	499
204	Protein kinase C, an elusive therapeutic target?. <i>Nature Reviews Drug Discovery</i> , 2012 , 11, 937-57	64.1	390
203	Targeting aldehyde dehydrogenase 2: new therapeutic opportunities. <i>Physiological Reviews</i> , 2014 , 94, 1-34	47.9	322
202	A protein kinase C translocation inhibitor as an isozyme-selective antagonist of cardiac function. <i>Journal of Biological Chemistry</i> , 1996 , 271, 24962-6	5.4	313
201	A selective epsilon-protein kinase C antagonist inhibits protection of cardiac myocytes from hypoxia-induced cell death. <i>Journal of Biological Chemistry</i> , 1997 , 272, 30945-51	5.4	303
200	Adaptor proteins in protein kinase C-mediated signal transduction. <i>Oncogene</i> , 2001 , 20, 6339-47	9.2	302
199	Localization of protein kinase C isozymes in cardiac myocytes. <i>Experimental Cell Research</i> , 1994 , 210, 287-97	4.2	302
198	C2 region-derived peptides inhibit translocation and function of beta protein kinase C in vivo. <i>Journal of Biological Chemistry</i> , 1995 , 270, 24180-7	5.4	262
197	A novel Drp1 inhibitor diminishes aberrant mitochondrial fission and neurotoxicity. <i>Journal of Cell Science</i> , 2013 , 126, 789-802	5.3	259
196	Inhibition of mitochondrial fragmentation diminishes Huntington's disease-associated neurodegeneration. <i>Journal of Clinical Investigation</i> , 2013 , 123, 5371-88	15.9	229
195	Inhibition of delta-protein kinase C protects against reperfusion injury of the ischemic heart in vivo. <i>Circulation</i> , 2003 , 108, 2304-7	16.7	224
194	Protein kinase C-epsilon is responsible for the protection of preconditioning in rabbit cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 1999 , 31, 1937-48	5.8	224
193	The coatomer protein betaPCOP, a selective binding protein (RACK) for protein kinase Cepsilon. <i>Journal of Biological Chemistry</i> , 1997 , 272, 29200-6	5.4	217
192	Acute inhibition of excessive mitochondrial fission after myocardial infarction prevents long-term cardiac dysfunction. <i>Journal of the American Heart Association</i> , 2013 , 2, e000461	6	205
191	Aberrant mitochondrial fission in neurons induced by protein kinase C{delta} under oxidative stress conditions in vivo. <i>Molecular Biology of the Cell</i> , 2011 , 22, 256-65	3.5	202

190	Peptide modulators of protein-protein interactions in intracellular signaling. <i>Nature Biotechnology</i> , 1998 , 16, 919-24	44.5	195
189	Cardiotrophic effects of protein kinase C epsilon: analysis by in vivo modulation of PKCepsilon translocation. <i>Circulation Research</i> , 2000 , 86, 1173-9	15.7	189
188	Additive protection of the ischemic heart ex vivo by combined treatment with delta-protein kinase C inhibitor and epsilon-protein kinase C activator. <i>Circulation</i> , 2003 , 108, 869-75	16.7	178
187	Intracoronary KAI-9803 as an adjunct to primary percutaneous coronary intervention for acute ST-segment elevation myocardial infarction. <i>Circulation</i> , 2008 , 117, 886-96	16.7	176
186	Protein kinase C delta mediates cerebral reperfusion injury in vivo. <i>Journal of Neuroscience</i> , 2004 , 24, 6880-8	6.6	167
185	The role of protein kinase C in cerebral ischemic and reperfusion injury. <i>Stroke</i> , 2005 , 36, 2781-90	6.7	164
184	Protein kinase Cdelta activation induces apoptosis in response to cardiac ischemia and reperfusion damage: a mechanism involving BAD and the mitochondria. <i>Journal of Biological Chemistry</i> , 2004 , 279, 47985-91	5.4	163
183	Fragmented mitochondria released from microglia trigger A1 astrocytic response and propagate inflammatory neurodegeneration. <i>Nature Neuroscience</i> , 2019 , 22, 1635-1648	25.5	160
182	Macrophage de novo NAD synthesis specifies immune function in aging and inflammation. <i>Nature Immunology</i> , 2019 , 20, 50-63	19.1	160
181	Peptidomimetic therapeutics: scientific approaches and opportunities. <i>Drug Discovery Today</i> , 2017 , 22, 454-462	8.8	154
180	Alda-1 is an agonist and chemical chaperone for the common human aldehyde dehydrogenase 2 variant. <i>Nature Structural and Molecular Biology</i> , 2010 , 17, 159-64	17.6	154
179	Binding specificity for RACK1 resides in the V5 region of beta II protein kinase C. <i>Journal of Biological Chemistry</i> , 2001 , 276, 29644-50	5.4	149
178	Anchoring proteins for protein kinase C: a means for isozyme selectivity. <i>FASEB Journal</i> , 1998 , 12, 35-42	0.9	147
177	Protein kinase C in heart failure: a therapeutic target?. <i>Cardiovascular Research</i> , 2009 , 82, 229-39	9.9	142
176	Mitochondrial aldehyde dehydrogenase and cardiac diseases. <i>Cardiovascular Research</i> , 2010 , 88, 51-7	9.9	141
175	Correcting mitochondrial fusion by manipulating mitofusin conformations. <i>Nature</i> , 2016 , 540, 74-79	50.4	136
174	Cardioprotection mediated by sphingosine-1-phosphate and ganglioside GM-1 in wild-type and PKC epsilon knockout mouse hearts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002 , 282, H1970-7	5.2	130
173	Cardioprotective mechanisms of PKC isozyme-selective activators and inhibitors in the treatment of ischemia-reperfusion injury. <i>Pharmacological Research</i> , 2007 , 55, 523-36	10.2	127

172	Mitochondrial reactive oxygen species at the heart of the matter: new therapeutic approaches for cardiovascular diseases. <i>Circulation Research</i> , 2015 , 116, 1783-99	15.7	125
171	Molecular transporters for peptides: delivery of a cardioprotective epsilonPKC agonist peptide into cells and intact ischemic heart using a transport system, R(7). <i>Chemistry and Biology</i> , 2001 , 8, 1123-9		125
170	Localization, anchoring, and functions of protein kinase C isozymes in the heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2001 , 33, 1301-7	5.8	123
169	RACK1, a protein kinase C anchoring protein, coordinates the binding of activated protein kinase C and select pleckstrin homology domains in vitro. <i>Biochemistry</i> , 1999 , 38, 13787-94	3.2	123
168	Epsilon protein kinase C as a potential therapeutic target for the ischemic heart. <i>Cardiovascular Research</i> , 2006 , 70, 222-30	9.9	117
167	PKC isozymes in chronic cardiac disease: possible therapeutic targets?. <i>Annual Review of Pharmacology and Toxicology</i> , 2008 , 48, 569-99	17.9	116
166	MFN2 agonists reverse mitochondrial defects in preclinical models of Charcot-Marie-Tooth disease type 2A. <i>Science</i> , 2018 , 360, 336-341	33.3	114
165	Opposing roles of delta and epsilonPKC in cardiac ischemia and reperfusion: targeting the apoptotic machinery. <i>Archives of Biochemistry and Biophysics</i> , 2003 , 420, 246-54	4.1	113
164	Reperfusion-induced translocation of deltaPKC to cardiac mitochondria prevents pyruvate dehydrogenase reactivation. <i>Circulation Research</i> , 2005 , 97, 78-85	15.7	113
163	Mitochondrial import of PKCepsilon is mediated by HSP90: a role in cardioprotection from ischaemia and reperfusion injury. <i>Cardiovascular Research</i> , 2010 , 88, 83-92	9.9	109
162	Cardioprotection by epsilon-protein kinase C activation from ischemia: continuous delivery and antiarrhythmic effect of an epsilon-protein kinase C-activating peptide. <i>Circulation</i> , 2005 , 111, 44-50	16.7	103
161	p65 fragments, homologous to the C2 region of protein kinase C, bind to the intracellular receptors for protein kinase C. <i>Biochemistry</i> , 1992 , 31, 8120-4	3.2	102
160	VCP recruitment to mitochondria causes mitophagy impairment and neurodegeneration in models of Huntington's disease. <i>Nature Communications</i> , 2016 , 7, 12646	17.4	95
159	Preservation of base-line hemodynamic function and loss of inducible cardioprotection in adult mice lacking protein kinase C epsilon. <i>Journal of Biological Chemistry</i> , 2004 , 279, 3596-604	5.4	95
158	Restoring metabolism of myeloid cells reverses cognitive decline in ageing. <i>Nature</i> , 2021 , 590, 122-128	50.4	95
157	Targeting mitochondrial dysfunction and oxidative stress in heart failure: Challenges and opportunities. <i>Free Radical Biology and Medicine</i> , 2018 , 129, 155-168	7.8	92
156	Aldehyde dehydrogenase 2 activation in heart failure restores mitochondrial function and improves ventricular function and remodelling. <i>Cardiovascular Research</i> , 2014 , 103, 498-508	9.9	91
155	Time-dependent and ethanol-induced cardiac protection from ischemia mediated by mitochondrial translocation of varepsilonPKC and activation of aldehyde dehydrogenase 2. <i>Journal of Molecular and Cellular Cardiology</i> , 2009 , 46, 278-84	5.8	89

154	Aldehyde dehydrogenase 2 in cardiac protection: a new therapeutic target?. <i>Trends in Cardiovascular Medicine</i> , 2009 , 19, 158-64	6.9	87
153	Activation of aldehyde dehydrogenase 2 (ALDH2) confers cardioprotection in protein kinase C epsilon (PKC ϵ) knockout mice. <i>Journal of Molecular and Cellular Cardiology</i> , 2010 , 48, 757-64	5.8	86
152	An inhibitory fragment derived from protein kinase C ϵ prevents enhancement of nerve growth factor responses by ethanol and phorbol esters. <i>Journal of Biological Chemistry</i> , 1997 , 272, 15028-35	5.4	85
151	Dopamine-induced exocytosis of Na,K-ATPase is dependent on activation of protein kinase C- ϵ and - δ . <i>Molecular Biology of the Cell</i> , 2002 , 13, 1381-9	3.5	85
150	Impaired GAPDH-induced mitophagy contributes to the pathology of Huntington's disease. <i>EMBO Molecular Medicine</i> , 2015 , 7, 1307-26	12	83
149	The PKC δ -Abl complex communicates ER stress to the mitochondria - an essential step in subsequent apoptosis. <i>Journal of Cell Science</i> , 2008 , 121, 804-13	5.3	82
148	Rationally designed peptide regulators of protein kinase C. <i>Trends in Endocrinology and Metabolism</i> , 2009 , 20, 25-33	8.8	81
147	A personalized medicine approach for Asian Americans with the aldehyde dehydrogenase 2*2 variant. <i>Annual Review of Pharmacology and Toxicology</i> , 2015 , 55, 107-27	17.9	80
146	Insight into intra- and inter-molecular interactions of PKC: design of specific modulators of kinase function. <i>Pharmacological Research</i> , 2007 , 55, 467-76	10.2	79
145	Aldehyde dehydrogenase activation prevents reperfusion arrhythmias by inhibiting local renin release from cardiac mast cells. <i>Circulation</i> , 2010 , 122, 771-81	16.7	77
144	Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) phosphorylation by protein kinase C (PKC) inhibits mitochondria elimination by lysosomal-like structures following ischemia and reoxygenation-induced injury. <i>Journal of Biological Chemistry</i> , 2013 , 288, 18947-60	5.4	76
143	Inhibition of Drp1/Fis1 interaction slows progression of amyotrophic lateral sclerosis. <i>EMBO Molecular Medicine</i> , 2018 , 10,	12	75
142	Characterization of the molecular mechanisms underlying increased ischemic damage in the aldehyde dehydrogenase 2 genetic polymorphism using a human induced pluripotent stem cell model system. <i>Science Translational Medicine</i> , 2014 , 6, 255ra130	17.5	73
141	The betagamma subunit of heterotrimeric G proteins interacts with RACK1 and two other WD repeat proteins. <i>Journal of Biological Chemistry</i> , 2002 , 277, 49888-95	5.4	72
140	Sequential activation of individual PKC isozymes in integrin-mediated muscle cell spreading: a role for MARCKS in an integrin signaling pathway. <i>Journal of Cell Science</i> , 2002 , 115, 2151-2163	5.3	72
139	Exercise reestablishes autophagic flux and mitochondrial quality control in heart failure. <i>Autophagy</i> , 2017 , 13, 1304-1317	10.2	71
138	Ischaemic preconditioning improves proteasomal activity and increases the degradation of deltaPKC during reperfusion. <i>Cardiovascular Research</i> , 2010 , 85, 385-94	9.9	71
137	Peptides and peptidomimetics as regulators of protein-protein interactions. <i>Current Opinion in Structural Biology</i> , 2017 , 44, 59-66	8.1	70

136	Biodistribution of intracellularly acting peptides conjugated reversibly to Tat. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 318, 949-54	3.4	70
135	Inhibition of the spontaneous rate of contraction of neonatal cardiac myocytes by protein kinase C isozymes. A putative role for the epsilon isozyme. <i>Circulation Research</i> , 1995 , 76, 654-63	15.7	70
134	Drp1/Fis1 interaction mediates mitochondrial dysfunction, bioenergetic failure and cognitive decline in Alzheimer β disease. <i>Oncotarget</i> , 2018 , 9, 6128-6143	3.3	67
133	Sequential activation of individual PKC isozymes in integrin-mediated muscle cell spreading: a role for MARCKS in an integrin signaling pathway. <i>Journal of Cell Science</i> , 2002 , 115, 2151-63	5.3	65
132	Aldehyde dehydrogenase-2 regulates nociception in rodent models of acute inflammatory pain. <i>Science Translational Medicine</i> , 2014 , 6, 251ra118	17.5	63
131	Protein kinase C epsilon and gamma: involvement in formalin-induced nociception in neonatal rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004 , 309, 616-25	4.7	63
130	Neuroprotective effects of aldehyde dehydrogenase 2 activation in rotenone-induced cellular and animal models of parkinsonism. <i>Experimental Neurology</i> , 2015 , 263, 244-53	5.7	61
129	ALDH2 activator inhibits increased myocardial infarction injury by nitroglycerin tolerance. <i>Science Translational Medicine</i> , 2011 , 3, 107ra111	17.5	61
128	Exercise training restores cardiac protein quality control in heart failure. <i>PLoS ONE</i> , 2012 , 7, e52764	3.7	58
127	Evidence for functional role of epsilonPKC isozyme in the regulation of cardiac Ca(2+) channels. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000 , 279, H2658-64	5.2	57
126	Involvement of protein kinase Cepsilon (PKCepsilon) in thyroid cell death. A truncated chimeric PKCepsilon cloned from a thyroid cancer cell line protects thyroid cells from apoptosis. <i>Journal of Biological Chemistry</i> , 1999 , 274, 23414-25	5.4	57
125	Happy birthday protein kinase C: past, present and future of a superfamily. <i>Pharmacological Research</i> , 2007 , 55, 461-6	10.2	56
124	δ PKC and ϵ PKC isozymes as potential pharmacological targets in cardiac hypertrophy and heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2011 , 51, 479-84	5.8	55
123	Opposing effects of delta- and zeta-protein kinase C isozymes on cardiac fibroblast proliferation: use of isozyme-selective inhibitors. <i>Journal of Molecular and Cellular Cardiology</i> , 2003 , 35, 895-903	5.8	55
122	Sustained pharmacological inhibition of deltaPKC protects against hypertensive encephalopathy through prevention of blood-brain barrier breakdown in rats. <i>Journal of Clinical Investigation</i> , 2008 , 118, 173-82	15.9	55
121	Protein kinase C delta cleavage initiates an aberrant signal transduction pathway after cardiac arrest and oxygen glucose deprivation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, 730-41	7.3	54
120	Discovery of a novel class of covalent inhibitor for aldehyde dehydrogenases. <i>Journal of Biological Chemistry</i> , 2011 , 286, 43486-94	5.4	53
119	deltaPKC participates in the endoplasmic reticulum stress-induced response in cultured cardiac myocytes and ischemic heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2007 , 43, 420-8	5.8	53

118	Nitroglycerin use in myocardial infarction patients. <i>Circulation Journal</i> , 2012 , 76, 15-21	2.9	52
117	Protein kinase C delta (deltaPKC)-annexin V interaction: a required step in deltaPKC translocation and function. <i>Journal of Biological Chemistry</i> , 2006 , 281, 23218-26	5.4	52
116	Opposing effects of delta and xi PKC in ethanol-induced cardioprotection. <i>Journal of Molecular and Cellular Cardiology</i> , 2001 , 33, 581-5	5.8	52
115	A novel aldehyde dehydrogenase-3 activator leads to adult salivary stem cell enrichment in vivo. <i>Clinical Cancer Research</i> , 2011 , 17, 7265-72	12.9	51
114	Tissue angiotensin II during progression or ventricular hypertrophy to heart failure in hypertensive rats; differential effects on PKC epsilon and PKC beta. <i>Journal of Molecular and Cellular Cardiology</i> , 2002 , 34, 1377-85	5.8	49
113	Evidence for functional role of epsilonPKC isozyme in the regulation of cardiac Na(+) channels. <i>American Journal of Physiology - Cell Physiology</i> , 2001 , 281, C1477-86	5.4	48
112	A critical intramolecular interaction for protein kinase C epsilon translocation. <i>Journal of Biological Chemistry</i> , 2004 , 279, 15831-40	5.4	47
111	Pharmacological inhibition of epsilon-protein kinase C attenuates cardiac fibrosis and dysfunction in hypertension-induced heart failure. <i>Hypertension</i> , 2008 , 51, 1565-9	8.5	46
110	Centrosomal PKCbeta1 and pericentrin are critical for human prostate cancer growth and angiogenesis. <i>Cancer Research</i> , 2008 , 68, 6831-9	10.1	44
109	Isozyme-specific inhibitors and activators of protein kinase C. <i>Methods in Enzymology</i> , 2002 , 345, 470-89	1.7	44
108	Unlocking the Secrets of Mitochondria in the Cardiovascular System: Path to a Cure in Heart Failure. A Report from the 2018 National Heart, Lung, and Blood Institute Workshop. <i>Circulation</i> , 2019 , 140, 1205-1216	16.7	43
107	PKC activation mediates angiogenesis via NADPH oxidase activity in PC-3 prostate cancer cells. <i>Prostate</i> , 2011 , 71, 946-54	4.2	43
106	DeltaPKC mediates microcerebrovascular dysfunction in acute ischemia and in chronic hypertensive stress in vivo. <i>Brain Research</i> , 2007 , 1144, 146-55	3.7	42
105	Aldehydic load and aldehyde dehydrogenase 2 profile during the progression of post-myocardial infarction cardiomyopathy: benefits of Alda-1. <i>International Journal of Cardiology</i> , 2015 , 179, 129-38	3.2	41
104	Mitochondrial aldehyde dehydrogenase-2 activation prevents amyloid-induced endothelial cell dysfunction and restores angiogenesis. <i>Journal of Cell Science</i> , 2013 , 126, 1952-61	5.3	40
103	deltaPKC inhibition or varepsilonPKC activation repairs endothelial vascular dysfunction by regulating eNOS post-translational modification. <i>Journal of Molecular and Cellular Cardiology</i> , 2010 , 48, 746-56	5.8	40
102	Dopamine and ethanol cause translocation of epsilonPKC associated with epsilonRACK: cross-talk between cAMP-dependent protein kinase A and protein kinase C signaling pathways. <i>Molecular Pharmacology</i> , 2008 , 73, 1105-12	4.3	40
101	Impaired perfusion after myocardial infarction is due to reperfusion-induced deltaPKC-mediated myocardial damage. <i>Cardiovascular Research</i> , 2007 , 73, 699-709	9.9	40

100	Molecular dynamics characterization of the C2 domain of protein kinase C β . <i>Journal of Biological Chemistry</i> , 2002 , 277, 12988-97	5.4	40
99	Drp1/Fis1 interaction mediates mitochondrial dysfunction in septic cardiomyopathy. <i>Journal of Molecular and Cellular Cardiology</i> , 2019 , 130, 160-169	5.8	39
98	Prevention of NMDA-induced death of cortical neurons by inhibition of protein kinase C ζ . <i>Journal of Neurochemistry</i> , 2003 , 86, 442-50	6	38
97	Correcting glucose-6-phosphate dehydrogenase deficiency with a small-molecule activator. <i>Nature Communications</i> , 2018 , 9, 4045	17.4	38
96	Pharmacological recruitment of aldehyde dehydrogenase 3A1 (ALDH3A1) to assist ALDH2 in acetaldehyde and ethanol metabolism in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 3074-9	11.5	37
95	Protein quality control disruption by PKC δ in heart failure; rescue by the selective PKC δ inhibitor, δ V5-3. <i>PLoS ONE</i> , 2012 , 7, e33175	3.7	37
94	The role of adenosine and adenosine transport in ethanol-induced cellular tolerance and dependence. Possible biologic and genetic markers of alcoholism. <i>Annals of the New York Academy of Sciences</i> , 1991 , 625, 473-87	6.5	37
93	A selective inhibitor of mitofusin 1-PKC association improves heart failure outcome in rats. <i>Nature Communications</i> , 2019 , 10, 329	17.4	37
92	The entangled ER-mitochondrial axis as a potential therapeutic strategy in neurodegeneration: A tangled duo unchained. <i>Cell Calcium</i> , 2016 , 60, 218-34	4	35
91	epsilonPKC confers acute tolerance to cerebral ischemic reperfusion injury. <i>Neuroscience Letters</i> , 2008 , 441, 120-4	3.3	34
90	Suppression of graft coronary artery disease by a brief treatment with a selective epsilonPKC activator and a deltaPKC inhibitor in murine cardiac allografts. <i>Circulation</i> , 2004 , 110, 1194-9	16.7	34
89	Monoamine oxidase-dependent endoplasmic reticulum-mitochondria dysfunction and mast cell degranulation lead to adverse cardiac remodeling in diabetes. <i>Cell Death and Differentiation</i> , 2018 , 25, 1671-1685	12.7	33
88	PKC isozyme selective regulation of cloned human cardiac delayed slow rectifier K current. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 306, 1019-25	3.4	33
87	PKC-epsilon-dependent survival signals in diabetic hearts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 289, H1343-50	5.2	33
86	Interaction of mitochondrial fission factor with dynamin related protein 1 governs physiological mitochondrial function in vivo. <i>Scientific Reports</i> , 2018 , 8, 14034	4.9	33
85	Development of selective inhibitors for aldehyde dehydrogenases based on substituted indole-2,3-diones. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 714-22	8.3	32
84	Pharmacological inhibition of PKC is cardioprotective in late-stage hypertrophy. <i>Journal of Molecular and Cellular Cardiology</i> , 2011 , 51, 980-7	5.8	32
83	Pharmacological inhibition of epsilon PKC suppresses chronic inflammation in murine cardiac transplantation model. <i>Journal of Molecular and Cellular Cardiology</i> , 2007 , 43, 517-22	5.8	32

82	Common ALDH2 genetic variants predict development of hypertension in the SAPPHIRE prospective cohort: gene-environmental interaction with alcohol consumption. <i>BMC Cardiovascular Disorders</i> , 2012 , 12, 58	2.3	31
81	Targeting aldehyde dehydrogenase activity in head and neck squamous cell carcinoma with a novel small molecule inhibitor. <i>Oncotarget</i> , 2017 , 8, 52345-52356	3.3	30
80	Mitochondrial dysfunction mediated through dynamin-related protein 1 (Drp1) propagates impairment in blood brain barrier in septic encephalopathy. <i>Journal of Neuroinflammation</i> , 2020 , 17, 36	10.1	29
79	Selective activation of protein kinase C γ in mitochondria is neuroprotective in vitro and reduces focal ischemic brain injury in mice. <i>Journal of Neuroscience Research</i> , 2013 , 91, 799-807	4.4	29
78	Potential biomarkers to follow the progression and treatment response of Huntington's disease. <i>Journal of Experimental Medicine</i> , 2016 , 213, 2655-2669	16.6	28
77	Identification of PKC targets during cardiac ischemic injury. <i>Circulation Journal</i> , 2012 , 76, 1476-85	2.9	28
76	ALDH1 Bio-activates Nifuroxazide to Eradicate ALDH Melanoma-Initiating Cells. <i>Cell Chemical Biology</i> , 2018 , 25, 1456-1469.e6	8.2	28
75	Mortal engines: Mitochondrial bioenergetics and dysfunction in neurodegenerative diseases. <i>Pharmacological Research</i> , 2018 , 138, 2-15	10.2	27
74	Highly Specific Modulators of Protein Kinase C Localization: Applications to Heart Failure. <i>Drug Discovery Today Disease Mechanisms</i> , 2010 , 7, e87-e93		27
73	Therapeutic potential for protein kinase C inhibitor in vascular restenosis. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2011 , 16, 160-7	2.6	27
72	Transient Receptor Potential Vanilloid 1 Regulates Mitochondrial Membrane Potential and Myocardial Reperfusion Injury. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	27
71	Coupling between Protein Stability and Catalytic Activity Determines Pathogenicity of G6PD Variants. <i>Cell Reports</i> , 2017 , 18, 2592-2599	10.6	26
70	New therapeutics to modulate mitochondrial dynamics and mitophagy in cardiac diseases. <i>Journal of Molecular Medicine</i> , 2015 , 93, 279-87	5.5	26
69	Surviving in the Valley of Death: Opportunities and Challenges in Translating Academic Drug Discoveries. <i>Annual Review of Pharmacology and Toxicology</i> , 2019 , 59, 405-421	17.9	26
68	Proteasome-Dependent Regulation of Distinct Metabolic States During Long-Term Culture of Human iPSC-Derived Cardiomyocytes. <i>Circulation Research</i> , 2019 , 125, 90-103	15.7	25
67	Selective Phosphorylation Inhibitor of Delta Protein Kinase C-Pyruvate Dehydrogenase Kinase Protein-Protein Interactions: Application for Myocardial Injury in Vivo. <i>Journal of the American Chemical Society</i> , 2016 , 138, 7626-35	16.4	25
66	Glucose-6-Phosphate Dehydrogenase Deficiency and the Need for a Novel Treatment to Prevent Kernicterus. <i>Clinics in Perinatology</i> , 2016 , 43, 341-54	2.8	25
65	PKC β activation promotes FGF-2 exocytosis and induces endothelial cell proliferation and sprouting. <i>Journal of Molecular and Cellular Cardiology</i> , 2013 , 63, 107-17	5.8	24

64	Aldehyde dehydrogenase 2*2 knock-in mice show increased reactive oxygen species production in response to cisplatin treatment. <i>Journal of Biomedical Science</i> , 2017 , 24, 33	13.3	22
63	A novel aldehyde dehydrogenase-3 activator (Alda-89) protects submandibular gland function from irradiation without accelerating tumor growth. <i>Clinical Cancer Research</i> , 2013 , 19, 4455-64	12.9	22
62	PKC β inhibition attenuates myocardial infarction induced heart failure and is associated with a reduction of fibrosis and pro-inflammatory responses. <i>Journal of Cellular and Molecular Medicine</i> , 2011 , 15, 1769-77	5.6	22
61	Cardioprotection induced by a brief exposure to acetaldehyde: role of aldehyde dehydrogenase 2. <i>Cardiovascular Research</i> , 2018 , 114, 1006-1015	9.9	20
60	Sustained inhibition of epsilon protein kinase C inhibits vascular restenosis after balloon injury and stenting. <i>Circulation</i> , 2010 , 122, S170-8	16.7	20
59	Peripheral sensitization increases opioid receptor expression and activation by crotalphine in rats. <i>PLoS ONE</i> , 2014 , 9, e90576	3.7	20
58	Aldehyde dehydrogenase 2 in aplastic anemia, Fanconi anemia and hematopoietic stem cells. <i>Molecular Genetics and Metabolism</i> , 2016 , 119, 28-36	3.7	19
57	The Role of Mitochondrial Aldehyde Dehydrogenase 2 (ALDH2) in Neuropathology and Neurodegeneration. <i>Acta Neurologica Taiwanica</i> , 2016 , 25(4), 111-123	0.6	19
56	Glyceraldehyde-3-Phosphate Dehydrogenase (GAPDH) Protein-Protein Interaction Inhibitor Reveals a Non-catalytic Role for GAPDH Oligomerization in Cell Death. <i>Journal of Biological Chemistry</i> , 2016 , 291, 13608-21	5.4	18
55	Aldehyde dehydrogenase 2 activity and aldehydic load contribute to neuroinflammation and Alzheimer β disease related pathology. <i>Acta Neuropathologica Communications</i> , 2019 , 7, 190	7.3	18
54	Transcriptome analysis and prognosis of ALDH isoforms in human cancer. <i>Scientific Reports</i> , 2018 , 8, 27113.9	13.9	17
53	Use of a novel method to find substrates of protein kinase C delta identifies M2 pyruvate kinase. <i>International Journal of Biochemistry and Cell Biology</i> , 2007 , 39, 978-87	5.6	15
52	PKC-ALDH2 Pathway Plays a Novel Role in Adipocyte Differentiation. <i>PLoS ONE</i> , 2016 , 11, e0161993	3.7	15
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