

# Daria Mochly-Rosen

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/5598233/daria-mochly-rosen-publications-by-year.pdf>

**Version:** 2024-04-28

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.

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	Stabilization of glucose-6-phosphate dehydrogenase oligomers enhances catalytic activity and stability of clinical variants.. <i>Journal of Biological Chemistry</i> , <b>2022</b> , 101610	5.4	0
206	A Selective Inhibitor of Cardiac Troponin I Phosphorylation by Delta Protein Kinase C (PKC) as a Treatment for Ischemia-Reperfusion Injury.. <i>Pharmaceuticals</i> , <b>2022</b> , 15,	5.2	2
205	Affordable IgY-based antiviral prophylaxis for resource-limited settings to address epidemic and pandemic risks.. <i>Journal of Global Health</i> , <b>2022</b> , 12, 05009	4.3	3
204	ALDH2 Expression, Alcohol Intake, and Semen Parameters Among East Asian Men.. <i>Journal of Urology</i> , <b>2022</b> , 101097JU00000000000002682	2.5	0
203	Activation of PKC $\epsilon$ ALDH2 Axis Prevents 4-HNE-Induced Pain in Mice.. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	1
202	ALDH2 deficiency induces atrial fibrillation through dysregulated cardiac sodium channel and mitochondrial bioenergetics: A multi-omics analysis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2021</b> , 1867, 166088	6.9	0
201	Increased elastase sensitivity and decreased intramolecular interactions in the more transmissible 501Y.V1 and 501Y.V2 SARS-CoV-2 variantsPspike protein-an in silico analysis. <i>PLoS ONE</i> , <b>2021</b> , 16, e0251426	2.7	7
200	Immunoglobulin Y for Potential Diagnostic and Therapeutic Applications in Infectious Diseases. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 696003	8.4	6
199	Natural variants in SARS-CoV-2 Spike protein pinpoint structural and functional hotspots with implications for prophylaxis and therapeutic strategies. <i>Scientific Reports</i> , <b>2021</b> , 11, 13120	4.9	5
198	The Effect of Ethanol Consumption on Composition and Morphology of Femur Cortical Bone in Wild-Type and ALDH2*2-Homozygous Mice. <i>Calcified Tissue International</i> , <b>2021</b> , 108, 265-276	3.9	1
197	Long-range structural defects by pathogenic mutations in most severe glucose-6-phosphate dehydrogenase deficiency. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	5
196	Restoring metabolism of myeloid cells reverses cognitive decline in ageing. <i>Nature</i> , <b>2021</b> , 590, 122-128	50.4	95
195	Paired SARS-CoV-2 spike protein mutations observed during ongoing SARS-CoV-2 viral transfer from humans to minks and back to humans. <i>Infection, Genetics and Evolution</i> , <b>2021</b> , 93, 104897	4.5	8
194	Treatment strategies for glucose-6-phosphate dehydrogenase deficiency: past and future perspectives. <i>Trends in Pharmacological Sciences</i> , <b>2021</b> , 42, 829-844	13.2	2
193	Novel and prevalent non-East Asian ALDH2 variants; Implications for global susceptibility to aldehydesPtoxicity. <i>EBioMedicine</i> , <b>2020</b> , 55, 102753	8.8	9
192	Mitochondrial dysfunction mediated through dynamin-related protein 1 (Drp1) propagates impairment in blood brain barrier in septic encephalopathy. <i>Journal of Neuroinflammation</i> , <b>2020</b> , 17, 36	10.1	29
191	Unlocking the Secrets of Mitochondria in the Cardiovascular System: Path to a Cure in Heart FailureA Report from the 2018 National Heart, Lung, and Blood Institute Workshop. <i>Circulation</i> , <b>2019</b> , 140, 1205-1216	16.7	43

190	Fragmented mitochondria released from microglia trigger A1 astrocytic response and propagate inflammatory neurodegeneration. <i>Nature Neuroscience</i> , <b>2019</b> , 22, 1635-1648	25.5	160
189	Small-Molecule Activators of Glucose-6-phosphate Dehydrogenase (G6PD) Bridging the Dimer Interface. <i>ChemMedChem</i> , <b>2019</b> , 14, 1321-1324	3.7	10
188	Proteasome-Dependent Regulation of Distinct Metabolic States During Long-Term Culture of Human iPSC-Derived Cardiomyocytes. <i>Circulation Research</i> , <b>2019</b> , 125, 90-103	15.7	25
187	Drp1/Fis1 interaction mediates mitochondrial dysfunction in septic cardiomyopathy. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2019</b> , 130, 160-169	5.8	39
186	ALDH2 and Cardiovascular Disease. <i>Advances in Experimental Medicine and Biology</i> , <b>2019</b> , 1193, 53-67	3.6	12
185	Alcohol consumption and vascular disease: other points to consider. <i>Lancet, The</i> , <b>2019</b> , 394, 1617-1618	4.0	1
184	Pharmacologic Activation of Aldehyde Metabolism to Protect Hematopoietic Stem Cells (HSC) in Murine Models of Fanconi Anemia (FA). <i>Blood</i> , <b>2019</b> , 134, 105-105	2.2	1
183	A Noncanonical Role of Delta Protein Kinase C ( $\delta$ PKC) Phosphorylation of Troponin I in Cardiac Reperfusion Injury. <i>FASEB Journal</i> , <b>2019</b> , 33, 662.31	0.9	
182	Common Non-East Asian Aldehyde Dehydrogenase 2 Deficiencies; Potential Drug Target for Alzheimer $\beta$ Disease and Mitochondrial Dysfunction. <i>FASEB Journal</i> , <b>2019</b> , 33, 662.3	0.9	
181	Aldehyde dehydrogenase 2 activity and aldehydic load contribute to neuroinflammation and Alzheimer $\beta$ disease related pathology. <i>Acta Neuropathologica Communications</i> , <b>2019</b> , 7, 190	7.3	18
180	Surviving in the Valley of Death: Opportunities and Challenges in Translating Academic Drug Discoveries. <i>Annual Review of Pharmacology and Toxicology</i> , <b>2019</b> , 59, 405-421	17.9	26
179	Macrophage de novo NAD synthesis specifies immune function in aging and inflammation. <i>Nature Immunology</i> , <b>2019</b> , 20, 50-63	19.1	160
178	A selective inhibitor of mitofusin 1- $\delta$ PKC association improves heart failure outcome in rats. <i>Nature Communications</i> , <b>2019</b> , 10, 329	17.4	37
177	Monoamine oxidase-dependent endoplasmic reticulum-mitochondria dysfunction and mast cell degranulation lead to adverse cardiac remodeling in diabetes. <i>Cell Death and Differentiation</i> , <b>2018</b> , 25, 1671-1685	12.7	33
176	MFN2 agonists reverse mitochondrial defects in preclinical models of Charcot-Marie-Tooth disease type 2A. <i>Science</i> , <b>2018</b> , 360, 336-341	33.3	114
175	Inhibition of Drp1/Fis1 interaction slows progression of amyotrophic lateral sclerosis. <i>EMBO Molecular Medicine</i> , <b>2018</b> , 10,	12	75
174	Transcriptome analysis and prognosis of ALDH isoforms in human cancer. <i>Scientific Reports</i> , <b>2018</b> , 8, 27113	13.9	17
173	Human Chitotriosidase Does Not Catabolize Hyaluronan. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 109, 629-633	7.9	0

172	Cardioprotection induced by a brief exposure to acetaldehyde: role of aldehyde dehydrogenase 2. <i>Cardiovascular Research</i> , <b>2018</b> , 114, 1006-1015	9.9	20
171	Mortal engines: Mitochondrial bioenergetics and dysfunction in neurodegenerative diseases. <i>Pharmacological Research</i> , <b>2018</b> , 138, 2-15	10.2	27
170	A novel pharmacological modulator abrogates physiological mitochondrial fission though specifically inhibiting the Mff-Drp1 protein-protein interaction. <i>FASEB Journal</i> , <b>2018</b> , 32, 543.21	0.9	
169	Drp1/Fis1 interaction mediates mitochondrial dysfunction, bioenergetic failure and cognitive decline in AlzheimerB disease. <i>Oncotarget</i> , <b>2018</b> , 9, 6128-6143	3.3	67
168	Interaction of mitochondrial fission factor with dynamin related protein 1 governs physiological mitochondrial function in vivo. <i>Scientific Reports</i> , <b>2018</b> , 8, 14034	4.9	33
167	ALDH1 Bio-activates Nifuroxazide to Eradicate ALDH Melanoma-Initiating Cells. <i>Cell Chemical Biology</i> , <b>2018</b> , 25, 1456-1469.e6	8.2	28
166	Correcting glucose-6-phosphate dehydrogenase deficiency with a small-molecule activator. <i>Nature Communications</i> , <b>2018</b> , 9, 4045	17.4	38
165	Targeting mitochondrial dysfunction and oxidative stress in heart failure: Challenges and opportunities. <i>Free Radical Biology and Medicine</i> , <b>2018</b> , 129, 155-168	7.8	92
164	Aldehyde dehydrogenase 3A1 activation prevents radiation-induced xerostomia by protecting salivary stem cells from toxic aldehydes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 6279-6284	11.5	13
163	Aldehyde dehydrogenase 2 activation and coevolution of its BKC-mediated phosphorylation sites. <i>Journal of Biomedical Science</i> , <b>2017</b> , 24, 3	13.3	11
162	Peptides and peptidomimetics as regulators of protein-protein interactions. <i>Current Opinion in Structural Biology</i> , <b>2017</b> , 44, 59-66	8.1	70
161	Exercise reestablishes autophagic flux and mitochondrial quality control in heart failure. <i>Autophagy</i> , <b>2017</b> , 13, 1304-1317	10.2	71
160	Coupling between Protein Stability and Catalytic Activity Determines Pathogenicity of G6PD Variants. <i>Cell Reports</i> , <b>2017</b> , 18, 2592-2599	10.6	26
159	Thiophene bridged aldehydes (TBAs) image ALDH activity in cells modulation of intramolecular charge transfer. <i>Chemical Science</i> , <b>2017</b> , 8, 7143-7151	9.4	6
158	Aldehyde dehydrogenase 2*2 knock-in mice show increased reactive oxygen species production in response to cisplatin treatment. <i>Journal of Biomedical Science</i> , <b>2017</b> , 24, 33	13.3	22
157	Disruption of mitochondrial quality control in peripheral artery disease: New therapeutic opportunities. <i>Pharmacological Research</i> , <b>2017</b> , 115, 96-106	10.2	11
156	Peptidomimetic therapeutics: scientific approaches and opportunities. <i>Drug Discovery Today</i> , <b>2017</b> , 22, 454-462	8.8	154
155	Genetic Polymorphisms of Alcohol Metabolizing Enzymes and Alcohol Consumption are Associated With Asymptomatic Cardiac Remodeling and Subclinical Systolic Dysfunction in Large Community-Dwelling Asians. <i>Alcohol and Alcoholism</i> , <b>2017</b> , 52, 638-646	3.5	13

154	Targeting aldehyde dehydrogenase activity in head and neck squamous cell carcinoma with a novel small molecule inhibitor. <i>Oncotarget</i> , <b>2017</b> , 8, 52345-52356	3.3	30
153	Structural analysis of clinically relevant pathogenic G6PD variants reveals the importance of tetramerization for G6PD activity. <i>Matters</i> , <b>2017</b> , 2017,	0	7
152	The Role of General Practitioners in the 2015 French Guidelines on Alcohol Misuse. <i>Alcohol and Alcoholism</i> , <b>2017</b> , 52, 747-748	3.5	1
151	Engineered Substrate-Specific Delta PKC Antagonists to Enhance Cardiac Therapeutics. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 15672-15679	16.4	7
150	Correcting mitochondrial fusion by manipulating mitofusin conformations. <i>Nature</i> , <b>2016</b> , 540, 74-79	50.4	136
149	VCP recruitment to mitochondria causes mitophagy impairment and neurodegeneration in models of Huntington $\beta$ disease. <i>Nature Communications</i> , <b>2016</b> , 7, 12646	17.4	95
148	Potential biomarkers to follow the progression and treatment response of Huntington $\beta$ disease. <i>Journal of Experimental Medicine</i> , <b>2016</b> , 213, 2655-2669	16.6	28
147	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> , <b>2016</b> , 138, 7626-35	16.4	25
146	Scaffold proteins LACK and TRACK as potential drug targets in kinetoplastid parasites: Development of inhibitors. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , <b>2016</b> , 6, 74-84	4	4
145	Glucose-6-Phosphate Dehydrogenase Deficiency and the Need for a Novel Treatment to Prevent Kernicterus. <i>Clinics in Perinatology</i> , <b>2016</b> , 43, 341-54	2.8	25
144	PKC-ALDH2 Pathway Plays a Novel Role in Adipocyte Differentiation. <i>PLoS ONE</i> , <b>2016</b> , 11, e0161993	3.7	15
143	Engineered Substrate-Specific Delta PKC Antagonists to Enhance Cardiac Therapeutics. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 15901-15908	3.6	
142	Genetic variations of aldehyde dehydrogenase 2 and alcohol dehydrogenase 1B are associated with the etiology of atrial fibrillation in Japanese. <i>Journal of Biomedical Science</i> , <b>2016</b> , 23, 89	13.3	8
141	The entangled ER-mitochondrial axis as a potential therapeutic strategy in neurodegeneration: A tangled duo unchained. <i>Cell Calcium</i> , <b>2016</b> , 60, 218-34	4	35
140	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> , <b>2016</b> , 291, 13608-21	5.4	18
139	In Vivo Post-Cardiac Arrest Myocardial Dysfunction Is Supported by Ca <sup>2+</sup> /Calmodulin-Dependent Protein Kinase II-Mediated Calcium Long-Term Potentiation and Mitigated by Alda-1, an Agonist of Aldehyde Dehydrogenase Type 2. <i>Circulation</i> , <b>2016</b> , 134, 961-977	16.7	12
138	Transient Receptor Potential Vanilloid 1 Regulates Mitochondrial Membrane Potential and Myocardial Reperfusion Injury. <i>Journal of the American Heart Association</i> , <b>2016</b> , 5,	6	27
137	Aldehyde dehydrogenase 2 in aplastic anemia, Fanconi anemia and hematopoietic stem cells. <i>Molecular Genetics and Metabolism</i> , <b>2016</b> , 119, 28-36	3.7	19

136	The Role of Mitochondrial Aldehyde Dehydrogenase 2 (ALDH2) in Neuropathology and Neurodegeneration. <i>Acta Neurologica Taiwanica</i> , <b>2016</b> , 25(4), 111-123	0.6	19
135	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> , <b>2015</b> , 112, 3074-9	11.5	37
134	A personalized medicine approach for Asian Americans with the aldehyde dehydrogenase 2*2 variant. <i>Annual Review of Pharmacology and Toxicology</i> , <b>2015</b> , 55, 107-27	17.9	80
133	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> , <b>2015</b> , 179, 129-38	3.2	41
132	Neuroprotective effects of aldehyde dehydrogenase 2 activation in rotenone-induced cellular and animal models of parkinsonism. <i>Experimental Neurology</i> , <b>2015</b> , 263, 244-53	5.7	61
131	Impaired GAPDH-induced mitophagy contributes to the pathology of Huntington's disease. <i>EMBO Molecular Medicine</i> , <b>2015</b> , 7, 1307-26	12	83
130	Mitochondrial reactive oxygen species at the heart of the matter: new therapeutic approaches for cardiovascular diseases. <i>Circulation Research</i> , <b>2015</b> , 116, 1783-99	15.7	125
129	New therapeutics to modulate mitochondrial dynamics and mitophagy in cardiac diseases. <i>Journal of Molecular Medicine</i> , <b>2015</b> , 93, 279-87	5.5	26
128	Aldehyde dehydrogenase 2 activation in heart failure restores mitochondrial function and improves ventricular function and remodelling. <i>Cardiovascular Research</i> , <b>2014</b> , 103, 498-508	9.9	91
127	Development of selective inhibitors for aldehyde dehydrogenases based on substituted indole-2,3-diones. <i>Journal of Medicinal Chemistry</i> , <b>2014</b> , 57, 714-22	8.3	32
126	The many hats of protein kinase C $\beta$ one enzyme with many functions. <i>Biochemical Society Transactions</i> , <b>2014</b> , 42, 1529-33	5.1	12
125	The challenge in translating basic research discoveries to treatment of Huntington disease. <i>Rare Diseases (Austin, Tex)</i> , <b>2014</b> , 2, e28637		6
124	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> , <b>2014</b> , 6, 255ra130	17.5	73
123	Aldehyde dehydrogenase-2 regulates nociception in rodent models of acute inflammatory pain. <i>Science Translational Medicine</i> , <b>2014</b> , 6, 251ra118	17.5	63
122	Targeting aldehyde dehydrogenase 2: new therapeutic opportunities. <i>Physiological Reviews</i> , <b>2014</b> , 94, 1-34	47.9	322
121	Peripheral sensitization increases opioid receptor expression and activation by crocaphine in rats. <i>PLoS ONE</i> , <b>2014</b> , 9, e90576	3.7	20
120	Altering substrate specificity of aldehyde dehydrogenase 3A1 to enhance acetaldehyde metabolism, in vivo (585.9). <i>FASEB Journal</i> , <b>2014</b> , 28, 585.9	0.9	
119	PKC $\beta$ activation promotes FGF-2 exocytosis and induces endothelial cell proliferation and sprouting. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2013</b> , 63, 107-17	5.8	24



118	A novel Drp1 inhibitor diminishes aberrant mitochondrial fission and neurotoxicity. <i>Journal of Cell Science</i> , <b>2013</b> , 126, 789-802	5.3	259
117	Selective activation of protein kinase C $\beta$ in mitochondria is neuroprotective in vitro and reduces focal ischemic brain injury in mice. <i>Journal of Neuroscience Research</i> , <b>2013</b> , 91, 799-807	4.4	29
116	Mitochondrial aldehyde dehydrogenase-2 activation prevents $\beta$ -amyloid-induced endothelial cell dysfunction and restores angiogenesis. <i>Journal of Cell Science</i> , <b>2013</b> , 126, 1952-61	5.3	40
115	Acute inhibition of excessive mitochondrial fission after myocardial infarction prevents long-term cardiac dysfunction. <i>Journal of the American Heart Association</i> , <b>2013</b> , 2, e000461	6	205
114	A novel aldehyde dehydrogenase-3 activator (Alda-89) protects submandibular gland function from irradiation without accelerating tumor growth. <i>Clinical Cancer Research</i> , <b>2013</b> , 19, 4455-64	12.9	22
113	Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) phosphorylation by protein kinase C $\alpha$ (PKC $\alpha$ ) inhibits mitochondria elimination by lysosomal-like structures following ischemia and reoxygenation-induced injury. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 18947-60	5.4	76
112	In vivo measurement of aldehyde dehydrogenase-2 activity in rat liver ethanol model using dynamic MRSI of hyperpolarized [1-(13) C]pyruvate. <i>NMR in Biomedicine</i> , <b>2013</b> , 26, 607-12	4.4	11
111	Inhibition of mitochondrial fragmentation diminishes Huntington's disease-associated neurodegeneration. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 5371-88	15.9	229
110	Nitroglycerin use in myocardial infarction patients. <i>Circulation Journal</i> , <b>2012</b> , 76, 15-21	2.9	52
109	Identification of PKC targets during cardiac ischemic injury. <i>Circulation Journal</i> , <b>2012</b> , 76, 1476-85	2.9	28
108	Protein kinase C, an elusive therapeutic target?. <i>Nature Reviews Drug Discovery</i> , <b>2012</b> , 11, 937-57	64.1	390
107	Activation of PKC reduces reperfusion arrhythmias and improves recovery from ischemia: optical mapping of activation patterns in the isolated guinea-pig heart. <i>Biochemical and Biophysical Research Communications</i> , <b>2012</b> , 426, 237-41	3.4	5
106	Common ALDH2 genetic variants predict development of hypertension in the SAPPHiRe prospective cohort: gene-environmental interaction with alcohol consumption. <i>BMC Cardiovascular Disorders</i> , <b>2012</b> , 12, 58	2.3	31
105	Protein quality control disruption by PKC $\delta$ in heart failure; rescue by the selective PKC $\delta$ inhibitor, $\delta$ V5-3. <i>PLoS ONE</i> , <b>2012</b> , 7, e33175	3.7	37
104	Exercise training restores cardiac protein quality control in heart failure. <i>PLoS ONE</i> , <b>2012</b> , 7, e52764	3.7	58
103	Regulation of cardiac excitability by protein kinase C isozymes. <i>Frontiers in Bioscience - Scholar</i> , <b>2012</b> , 4, 532-46	2.4	10
102	Role of Protein Kinase C in Mitochondrial Functions in Cardiac Ischemia- Reperfusion Injury. <i>Oxidative Stress and Disease</i> , <b>2012</b> , 35-54		
101	PKC and PKC isozymes as potential pharmacological targets in cardiac hypertrophy and heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2011</b> , 51, 479-84	5.8	55

100	Pharmacological inhibition of $\delta$ PKC is cardioprotective in late-stage hypertrophy. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2011</b> , 51, 980-7	5.8	32
99	PKC $\delta$ 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> , <b>2011</b> , 15, 1769-77	5.6	22
98	PKC $\delta$ activation mediates angiogenesis via NADPH oxidase activity in PC-3 prostate cancer cells. <i>Prostate</i> , <b>2011</b> , 71, 946-54	4.2	43
97	Aberrant mitochondrial fission in neurons induced by protein kinase C $\delta$ under oxidative stress conditions in vivo. <i>Molecular Biology of the Cell</i> , <b>2011</b> , 22, 256-65	3.5	202
96	Discovery of a novel class of covalent inhibitor for aldehyde dehydrogenases. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 43486-94	5.4	53
95	A novel aldehyde dehydrogenase-3 activator leads to adult salivary stem cell enrichment in vivo. <i>Clinical Cancer Research</i> , <b>2011</b> , 17, 7265-72	12.9	51
94	ALDH2 activator inhibits increased myocardial infarction injury by nitroglycerin tolerance. <i>Science Translational Medicine</i> , <b>2011</b> , 3, 107ra111	17.5	61
93	Therapeutic potential for protein kinase C inhibitor in vascular restenosis. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , <b>2011</b> , 16, 160-7	2.6	27
92	Alda-1 is an agonist and chemical chaperone for the common human aldehyde dehydrogenase 2 variant. <i>Nature Structural and Molecular Biology</i> , <b>2010</b> , 17, 159-64	17.6	154
91	Aldehyde dehydrogenase activation prevents reperfusion arrhythmias by inhibiting local renin release from cardiac mast cells. <i>Circulation</i> , <b>2010</b> , 122, 771-81	16.7	77
90	Sustained inhibition of epsilon protein kinase C inhibits vascular restenosis after balloon injury and stenting. <i>Circulation</i> , <b>2010</b> , 122, S170-8	16.7	20
89	Mitochondrial aldehyde dehydrogenase and cardiac diseases. <i>Cardiovascular Research</i> , <b>2010</b> , 88, 51-7	9.9	141
88	Mitochondrial import of PKCepsilon is mediated by HSP90: a role in cardioprotection from ischaemia and reperfusion injury. <i>Cardiovascular Research</i> , <b>2010</b> , 88, 83-92	9.9	109
87	Ischaemic preconditioning improves proteasomal activity and increases the degradation of deltaPKC during reperfusion. <i>Cardiovascular Research</i> , <b>2010</b> , 85, 385-94	9.9	71
86	Activation of aldehyde dehydrogenase 2 (ALDH2) confers cardioprotection in protein kinase C epsilon (PKCvarepsilon) knockout mice. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2010</b> , 48, 757-64	5.8	86
85	deltaPKC inhibition or varepsilonPKC activation repairs endothelial vascular dysfunction by regulating eNOS post-translational modification. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2010</b> , 48, 746-56	5.8	40
84	Highly Specific Modulators of Protein Kinase C Localization: Applications to Heart Failure. <i>Drug Discovery Today Disease Mechanisms</i> , <b>2010</b> , 7, e87-e93		27
83	Focus on: The cardiovascular system: what did we learn from the French (Paradox)?. <i>Alcohol Research</i> , <b>2010</b> , 33, 76-86		4



82 Regulation of PKC by Protein-Protein Interactions in Cancer **2010**, 79-103

81	Aldehyde dehydrogenase 2 in cardiac protection: a new therapeutic target?. <i>Trends in Cardiovascular Medicine</i> , <b>2009</b> , 19, 158-64	6.9	87
80	Activating deltaPKC antagonizes the protective effect of ERK1/2 inhibition against stroke in rats. <i>Brain Research</i> , <b>2009</b> , 1251, 256-61	3.7	8
79	Rationally designed peptide regulators of protein kinase C. <i>Trends in Endocrinology and Metabolism</i> , <b>2009</b> , 20, 25-33	8.8	81
78	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> , <b>2009</b> , 46, 278-84	5.8	89
77	Preserved coronary endothelial function by inhibition of delta protein kinase C in a porcine acute myocardial infarction model. <i>International Journal of Cardiology</i> , <b>2009</b> , 133, 256-9	3.2	7
76	Protein kinase C in heart failure: a therapeutic target?. <i>Cardiovascular Research</i> , <b>2009</b> , 82, 229-39	9.9	142
75	PKC isozymes in chronic cardiac disease: possible therapeutic targets?. <i>Annual Review of Pharmacology and Toxicology</i> , <b>2008</b> , 48, 569-99	17.9	116
74	epsilonPKC confers acute tolerance to cerebral ischemic reperfusion injury. <i>Neuroscience Letters</i> , <b>2008</b> , 441, 120-4	3.3	34
73	Activation of aldehyde dehydrogenase-2 reduces ischemic damage to the heart. <i>Science</i> , <b>2008</b> , 321, 1493-5	39.3	558
72	Centrosomal PKCbeta1 and pericentrin are critical for human prostate cancer growth and angiogenesis. <i>Cancer Research</i> , <b>2008</b> , 68, 6831-9	10.1	44
71	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> , <b>2008</b> , 73, 1105-12	4.3	40
70	Pharmacological inhibition of epsilon-protein kinase C attenuates cardiac fibrosis and dysfunction in hypertension-induced heart failure. <i>Hypertension</i> , <b>2008</b> , 51, 1565-9	8.5	46
69	The PKCdelta -Abl complex communicates ER stress to the mitochondria - an essential step in subsequent apoptosis. <i>Journal of Cell Science</i> , <b>2008</b> , 121, 804-13	5.3	82
68	Intracoronary KAI-9803 as an adjunct to primary percutaneous coronary intervention for acute ST-segment elevation myocardial infarction. <i>Circulation</i> , <b>2008</b> , 117, 886-96	16.7	176
67	Sustained pharmacological inhibition of deltaPKC protects against hypertensive encephalopathy through prevention of blood-brain barrier breakdown in rats. <i>Journal of Clinical Investigation</i> , <b>2008</b> , 118, 173-82	15.9	55
66	cPKC isozyme specific substrates in murine embryonic stem cells.. <i>FASEB Journal</i> , <b>2008</b> , 22, 1050.8	0.9	
65	Cardioprotective mechanisms of PKC isozyme-selective activators and inhibitors in the treatment of ischemia-reperfusion injury. <i>Pharmacological Research</i> , <b>2007</b> , 55, 523-36	10.2	127

64	Insight into intra- and inter-molecular interactions of PKC: design of specific modulators of kinase function. <i>Pharmacological Research</i> , <b>2007</b> , 55, 467-76	10.2	79
63	Happy birthday protein kinase C: past, present and future of a superfamily. <i>Pharmacological Research</i> , <b>2007</b> , 55, 461-6	10.2	56
62	DeltaPKC mediates microcerebrovascular dysfunction in acute ischemia and in chronic hypertensive stress in vivo. <i>Brain Research</i> , <b>2007</b> , 1144, 146-55	3.7	42
61	Impaired perfusion after myocardial infarction is due to reperfusion-induced deltaPKC-mediated myocardial damage. <i>Cardiovascular Research</i> , <b>2007</b> , 73, 699-709	9.9	40
60	Pharmacological inhibition of epsilon PKC suppresses chronic inflammation in murine cardiac transplantation model. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2007</b> , 43, 517-22	5.8	32
59	deltaPKC participates in the endoplasmic reticulum stress-induced response in cultured cardiac myocytes and ischemic heart. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2007</b> , 43, 420-8	5.8	53
58	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> , <b>2007</b> , 39, 978-87	5.6	15
57	Epsilon protein kinase C as a potential therapeutic target for the ischemic heart. <i>Cardiovascular Research</i> , <b>2006</b> , 70, 222-30	9.9	117
56	Protein kinase C delta (deltaPKC)-annexin V interaction: a required step in deltaPKC translocation and function. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 23218-26	5.4	52
55	The role of protein kinase C in cerebral ischemic and reperfusion injury. <i>Stroke</i> , <b>2005</b> , 36, 2781-90	6.7	164
54	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> , <b>2005</b> , 25, 730-41	7.3	54
53	PKC-{epsilon}-dependent survival signals in diabetic hearts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2005</b> , 289, H1343-50	5.2	33
52	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> , <b>2005</b> , 111, 44-50	16.7	103
51	Reperfusion-induced translocation of deltaPKC to cardiac mitochondria prevents pyruvate dehydrogenase reactivation. <i>Circulation Research</i> , <b>2005</b> , 97, 78-85	15.7	113
50	Delivery of a deltaPKC inhibitor peptide improves stroke survival in a rat model of hypertension, and increases cerebral blood flow following transient focal ischemia in normotensive rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2005</b> , 25, S184-S184	7.3	
49	Protein kinase C epsilon and gamma: involvement in formalin-induced nociception in neonatal rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2004</b> , 309, 616-25	4.7	63
48	Protein kinase C delta mediates cerebral reperfusion injury in vivo. <i>Journal of Neuroscience</i> , <b>2004</b> , 24, 6880-8	6.6	167
47	A critical intramolecular interaction for protein kinase C epsilon translocation. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 15831-40	5.4	47

46	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> , <b>2004</b> , 279, 47985-91	5.4	163
45	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> , <b>2004</b> , 279, 3596-604	5.4	95
44	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> , <b>2004</b> , 110, 11194-9	16.7	34
43	Biodistribution of intracellularly acting peptides conjugated reversibly to Tat. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 318, 949-54	3.4	70
42	Inhibition of delta-protein kinase C protects against reperfusion injury of the ischemic heart in vivo. <i>Circulation</i> , <b>2003</b> , 108, 2304-7	16.7	224
41	Overlay method for detecting protein-protein interactions. <i>Methods in Molecular Biology</i> , <b>2003</b> , 233, 351-7	1.4	6
40	Prevention of NMDA-induced death of cortical neurons by inhibition of protein kinase Czeta. <i>Journal of Neurochemistry</i> , <b>2003</b> , 86, 442-50	6	38
39	Glutathione S-transferase pull-down assay. <i>Methods in Molecular Biology</i> , <b>2003</b> , 233, 345-50	1.4	9
38	Opposing roles of delta and epsilonPKC in cardiac ischemia and reperfusion: targeting the apoptotic machinery. <i>Archives of Biochemistry and Biophysics</i> , <b>2003</b> , 420, 246-54	4.1	113
37	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> , <b>2003</b> , 35, 895-903	5.8	55
36	PKC isozyme selective regulation of cloned human cardiac delayed slow rectifier K current. <i>Biochemical and Biophysical Research Communications</i> , <b>2003</b> , 306, 1019-25	3.4	33
35	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> , <b>2003</b> , 108, 869-75	16.7	178
34	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> , <b>2002</b> , 282, H1970-7	5.2	130
33	Dopamine-induced exocytosis of Na,K-ATPase is dependent on activation of protein kinase C-epsilon and -delta. <i>Molecular Biology of the Cell</i> , <b>2002</b> , 13, 1381-9	3.5	85
32	The betagamma subunit of heterotrimeric G proteins interacts with RACK1 and two other WD repeat proteins. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 49888-95	5.4	72
31	Molecular dynamics characterization of the C2 domain of protein kinase Cbeta. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 12988-97	5.4	40
30	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> , <b>2002</b> , 34, 1377-85	5.8	49
29	Isozyme-specific inhibitors and activators of protein kinase C. <i>Methods in Enzymology</i> , <b>2002</b> , 345, 470-89	1.7	44

28	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> , <b>2002</b> , 115, 2151-2163	5.3	72
27	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> , <b>2002</b> , 115, 2151-63	5.3	65
26	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> , <b>2001</b> , 8, 1123-9		125
25	Adaptor proteins in protein kinase C-mediated signal transduction. <i>Oncogene</i> , <b>2001</b> , 20, 6339-47	9.2	302
24	Binding specificity for RACK1 resides in the V5 region of beta II protein kinase C. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 29644-50	5.4	149
23	Spontaneous occurrence of an inhibitor of protein kinase C localization in a thyroid cancer cell line: role in thyroid tumorigenesis. <i>Advances in Enzyme Regulation</i> , <b>2001</b> , 41, 87-97		3
22	Opposing effects of delta and xi PKC in ethanol-induced cardioprotection. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2001</b> , 33, 581-5	5.8	52
21	Localization, anchoring, and functions of protein kinase C isozymes in the heart. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2001</b> , 33, 1301-7	5.8	123
20	Evidence for functional role of epsilonPKC isozyme in the regulation of cardiac Na(+) channels. <i>American Journal of Physiology - Cell Physiology</i> , <b>2001</b> , 281, C1477-86	5.4	48
19	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> , <b>2000</b> , 279, H2658-64	5.2	57
18	Protein kinase C isozymes and the regulation of diverse cell responses. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2000</b> , 279, L429-38	5.8	542
17	Cardiotrophic effects of protein kinase C epsilon: analysis by in vivo modulation of PKCepsilon translocation. <i>Circulation Research</i> , <b>2000</b> , 86, 1173-9	15.7	189
16	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> , <b>1999</b> , 274, 23414-25	5.4	57
15	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> , <b>1999</b> , 38, 13787-94	3.2	123
14	Protein kinase C-epsilon is responsible for the protection of preconditioning in rabbit cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , <b>1999</b> , 31, 1937-48	5.8	224
13	Peptide modulators of protein-protein interactions in intracellular signaling. <i>Nature Biotechnology</i> , <b>1998</b> , 16, 919-24	44.5	195
12	Anchoring proteins for protein kinase C: a means for isozyme selectivity. <i>FASEB Journal</i> , <b>1998</b> , 12, 35-42	0.9	147
11	Anchoring proteins for protein kinase C: a means for isozyme selectivity. <i>FASEB Journal</i> , <b>1998</b> , 12, 35-42	0.9	499

10	An inhibitory fragment derived from protein kinase Cepsilon prevents enhancement of nerve growth factor responses by ethanol and phorbol esters. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 15028-35	5.4	85
9	A selective epsilon-protein kinase C antagonist inhibits protection of cardiac myocytes from hypoxia-induced cell death. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 30945-51	5.4	303
8	The coatamer protein betaPCOP, a selective binding protein (RACK) for protein kinase Cepsilon. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 29200-6	5.4	217
7	A protein kinase C translocation inhibitor as an isozyme-selective antagonist of cardiac function. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 24962-6	5.4	313
6	C2 region-derived peptides inhibit translocation and function of beta protein kinase C in vivo. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 24180-7	5.4	262
5	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> , <b>1995</b> , 76, 654-63	15.7	70
4	Localization of protein kinase C isozymes in cardiac myocytes. <i>Experimental Cell Research</i> , <b>1994</b> , 210, 287-97	4.2	302
3	p65 fragments, homologous to the C2 region of protein kinase C, bind to the intracellular receptors for protein kinase C. <i>Biochemistry</i> , <b>1992</b> , 31, 8120-4	3.2	102
2	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> , <b>1991</b> , 625, 473-87	6.5	37
1	Egg-derived anti-SARS-CoV-2 immunoglobulin Y (IgY) with broad variant activity as intranasal prophylaxis against COVID-19: preclinical studies and randomized controlled phase 1 clinical trial		4