# Daphne Atlas

List of Publications by Year
in descending order

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|---|---|---|---|
| 65<br>papers | 2,543<br>citations | 172457<br>29<br>h-index | 197818<br>49<br>g-index |
| 65<br>all docs | 65<br>docs citations | 65<br>times ranked | 2265<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Novel anti-apoptotic L-DOPA precursors SuperDopa and SuperDopamide as potential neuroprotective agents for halting/delaying progression of Parkinsonâ€™s disease. Cell Death and Disease, 2022, 13, 227. | 6.3 | 3 |
| 2 | Revisiting the molecular basis of synaptic transmission. Progress in Neurobiology, 2022, 216, 102312. | 5.7 | 2 |
| 3 | Emerging therapeutic opportunities of novel thiol-amides, NAC-amide (AD4/NACA) and thioredoxin mimetics (TXM-Peptides) for neurodegenerative-related disorders. Free Radical Biology and Medicine, 2021, 176, 120-141. | 2.9 | 15 |
| 4 | Elevated basal transcription can underlie timothy channel association with autism related disorders. Progress in Neurobiology, 2020, 191, 101820. | 5.7 | 12 |
| 5 | Ion occupancy of the channel pore is critical for triggering excitation-transcription (ET) coupling. Cell Calcium, 2019, 84, 102102. | 2.4 | 8 |
| 6 | Î²-Subunit of the voltage-gated Ca <sup>2+</sup> channel Cav1.2 drives signaling to the nucleus via H-Ras. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8624-E8633. | 7.1 | 35 |
| 7 | The L-type Voltage-Gated Calcium Channel co-localizes with Syntaxin 1A in nano-clusters at the plasma membrane. Scientific Reports, 2017, 7, 11350. | 3.3 | 19 |
| 8 | DopAmide: Novel, Waterâ€Soluble, Slowâ€Release <scp>l</scp>â€dihydroxyphenylalanine (<scp>l</scp>â€DOPA) Precursor Moderates <scp>l</scp>â€DOPA Conversion to Dopamine and Generates a Sustained Level of Dopamine at Dopaminergic Neurons. CNS Neuroscience and Therapeutics, 2016, 22, 461-467. | 3.9 | 8 |
| 9 | Thioredoxin-mimetic peptides (TXM) inhibit inflammatory pathways associated with high-glucose and oxidative stress. Free Radical Biology and Medicine, 2016, 99, 557-571. | 2.9 | 22 |
| 10 | N-acetylcysteine amide (AD4) reduces cocaine-induced reinstatement. Psychopharmacology, 2016, 233, 3437-3448. | 3.1 | 23 |
| 11 | Thioredoxin-Mimetic-Peptides Protect Cognitive Function after Mild Traumatic Brain Injury (mTBI). PLoS ONE, 2016, 11, e0157064. | 2.5 | 33 |
| 12 | Thioredoxin-mimetic peptides as catalysts of S-denitrosylation and anti-nitrosative stress agents. Free Radical Biology and Medicine, 2015, 79, 138-146. | 2.9 | 30 |
| 13 | Voltage-gated calcium channels function as Ca2+-activated signaling receptors. Trends in Biochemical Sciences, 2014, 39, 45-52. | 7.5 | 30 |
| 14 | Lipid Modulation of Calcium Flux through CaV2.3 Regulates Acrosome Exocytosis and Fertilization. Developmental Cell, 2014, 28, 310-321. | 7.0 | 54 |
| 15 | Thioredoxin-mimetic peptide CB3 lowers MAPKinase activity in the Zucker rat brain. Redox Biology, 2014, 2, 447-456. | 9.0 | 18 |
| 16 | The Voltage-Gated Calcium Channel Functions as the Molecular Switch of Synaptic Transmission. Annual Review of Biochemistry, 2013, 82, 607-635. | 11.1 | 53 |
| 17 | Thioredoxin-mimetic peptides (TXM) reverse auranofin induced apoptosis and restore insulin secretion in insulinoma cells. Biochemical Pharmacology, 2013, 85, 977-990. | 4.4 | 33 |
| 18 | Intra-membrane Signaling Between the Voltage-Gated Ca2+-Channel and Cysteine Residues of Syntaxin 1A Coordinates Synchronous Release. Scientific Reports, 2013, 3, 1620. | 3.3 | 17 |

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|---|---|---|---|
| 19 | Calcineurin Controls Voltage-Dependent-Inactivation (VDI) of the Normal and Timothy Cardiac Channels. Scientific Reports, 2012, 2, 366. | 3.3 | 20 |
| 20 | Voltage-Driven Ca<sup>2+</sup> Binding at the L-Type Ca<sup>2+</sup> Channel Triggers Cardiac Excitationâ€“Contraction Coupling Prior to Ca<sup>2+</sup> Influx. Biochemistry, 2012, 51, 9658-9666. | 2.5 | 15 |
| 21 | Alleviation of oxidative stress by potent and selective thioredoxin-mimetic peptides. Free Radical Biology and Medicine, 2011, 50, 1355-1367. | 2.9 | 47 |
| 22 | A Novel Dithiol Amide CB3 Attenuates Allergic Airway Disease through Negative Regulation of p38 Mitogen-activated Protein Kinase. American Journal of Respiratory and Critical Care Medicine, 2011, 183, 1015-1024. | 5.6 | 40 |
| 23 | Signaling role of the voltage-gated calcium channel as the molecular on/off-switch of secretion. Cellular Signalling, 2010, 22, 1597-1603. | 3.6 | 23 |
| 24 | Conformational Changes Induced in Voltage-gated Calcium Channel Cav1.2 by BayK 8644 or FPL64176 Modify the Kinetics of Secretion Independently of Ca2+ Influx. Journal of Biological Chemistry, 2010, 285, 6996-7005. | 3.4 | 30 |
| 25 | Ca<sub>V</sub>2.1 (P/Q channel) interaction with synaptic proteins is essential for depolarization-evoked release. Channels, 2010, 4, 266-277. | 2.8 | 30 |
| 26 | Reconstitution of Depolarization and Ca2+-Evoked Secretion in Xenopus Oocytes Monitored by Membrane Capacitance. Methods in Molecular Biology, 2008, 440, 269-282. | 0.9 | 12 |
| 27 | Endoplasmic Reticulum Stress and Unfolded Protein Response in Atm-Deficient Thymocytes and Thymic Lymphoma Cells Are Attributable to Oxidative Stress. Neoplasia, 2008, 10, 160-167. | 5.3 | 22 |
| 28 | The Voltage-Gated Ca<sup>2+</sup> Channel Is the Ca<sup>2+</sup> Sensor Protein of Secretion. Biochemistry, 2008, 47, 13822-13830. | 2.5 | 32 |
| 29 | A novel thiol compound, N-acetylcysteine amide, attenuates allergic airway disease by regulating activation of NF-Î²B and hypoxia-inducible factor-1Î±. Experimental and Molecular Medicine, 2007, 39, 756-768. | 7.7 | 70 |
| 30 | Cations Residing at the Selectivity Filter of the Voltage-Gated Ca<sup>2+</sup>-Channel Modify Fusion-Pore Kinetics. Channels, 2007, 1, 377-386. | 2.8 | 20 |
| 31 | The L-type Voltage-Gated Ca<sup>2+</sup> Channel Is the Ca<sup>2+</sup> Sensor Protein of Stimulusâ^'Secretion Coupling in Pancreatic Beta Cells. Biochemistry, 2007, 46, 14461-14467. | 2.5 | 40 |
| 32 | Depolarization-Evoked Secretion Requires Two Vicinal Transmembrane Cysteines of Syntaxin 1A. PLoS ONE, 2007, 2, e1273. | 2.5 | 18 |
| 33 | Ion interaction at the pore of Lc-type Ca2+ channel is sufficient to mediate depolarization-induced exocytosis. Journal of Neurochemistry, 2006, 97, 116-127. | 3.9 | 59 |
| 34 | Low molecular weight thiol amides attenuate MAPK activity and protect primary neurons from AÎ²(1â€“42) toxicity. Brain Research, 2006, 1069, 198-206. | 2.2 | 41 |
| 35 | A Novel Brain-Targeted Antioxidant (AD4) Attenuates Haloperidol-Induced Abnormal Movement in Rats:. Clinical Neuropharmacology, 2005, 28, 285-288. | 0.7 | 17 |
| 36 | Analysis of Gene Expression in MOG-Induced Experimental Autoimmune Encephalomyelitis After Treatment <SMALL>W</SMALL>ith a Novel Brain-Penetrating Antioxidant. Journal of Molecular Neuroscience, 2005, 27, 125-136. | 2.3 | 21 |

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|---|---|---|---|
| 37 | A novel thiol antioxidant that crosses the blood brain barrier protects dopaminergic neurons in experimental models of Parkinson's disease. European Journal of Neuroscience, 2005, 21, 637-646. | 2.6 | 59 |
| 38 | N-acetylcysteine amide, a novel cell-permeating thiol, restores cellular glutathione and protects human red blood cells from oxidative stress. Free Radical Biology and Medicine, 2005, 38, 136-145. | 2.9 | 189 |
| 39 | Molecular Identification and Reconstitution of Depolarization-Induced Exocytosis Monitored by Membrane Capacitance. Biophysical Journal, 2005, 89, 4364-4373. | 0.5 | 23 |
| 40 | A low molecular weight copper chelator crosses the blood-brain barrier and attenuates experimental autoimmune encephalomyelitis. Journal of Neurochemistry, 2004, 89, 1241-1251. | 3.9 | 113 |
| 41 | Syntaxin 1A Modulates the Voltage-gated L-type Calcium Channel (Cav1.2) in a Cooperative Manner. Journal of Biological Chemistry, 2003, 278, 29231-29239. | 3.4 | 35 |
| 42 | Ionic dependence of Ca2+channel modulation by syntaxin 1A. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 3968-3973. | 7.1 | 36 |
| 43 | Fast Exocytosis with Few Ca2+ Channels in Insulin-Secreting Mouse Pancreatic B Cells. Biophysical Journal, 2001, 81, 3308-3323. | 0.5 | 223 |
| 44 | Functional and physical coupling of voltage-sensitive calcium channels with exocytotic proteins: ramifications for the secretion mechanism. Journal of Neurochemistry, 2001, 77, 972-985. | 3.9 | 132 |
| 45 | The voltage-gated Ca2+ channel is the Ca2+ sensor of fast neurotransmitter release. Cellular and Molecular Neurobiology, 2001, 21, 717-731. | 3.3 | 40 |
| 46 | Synaptotagmin restores kinetic properties of a syntaxin-associated N-type voltage sensitive calcium channel. FEBS Letters, 1997, 404, 203-207. | 2.8 | 71 |
| 47 | The effect of the putative endogenous imidazoline receptor ligand, clonidine-displacing substance, on insulin secretion from rat and human islets of Langerhans. British Journal of Pharmacology, 1997, 120, 926-932. | 5.4 | 28 |
| 48 | The Î±2/Î´ subunit of voltage sensitive Ca2+channels is a single transmembrane extracellular protein which is involved in regulated secretion. FEBS Letters, 1996, 379, 15-20. | 2.8 | 56 |
| 49 | Cardiac L-type Ca2+channel triggers transmitter release in PC 12 cells. FEBS Letters, 1994, 342, 209-213. | 2.8 | 29 |
| 50 | Response : Fertilization and Ion Channels. Science, 1994, 263, 988-988. | 12.6 | 0 |
| 51 | Response : Fertilization and Ion Channels. Science, 1994, 263, 988-988. | 12.6 | 0 |
| 52 | Imidazoline binding sites in human placenta: evidence for heterogeneity and a search for physiological function. British Journal of Pharmacology, 1992, 106, 101-108. | 5.4 | 80 |
| 53 | Human plasmaâ€derived material with clonidine displacing substance (CDS)â€like properties contracts the isolated rat aorta. Autonomic and Autacoid Pharmacology, 1991, 11, 343-351. | 0.6 | 21 |
| 54 | Neomycin inhibits K+- and veratridine-stimulated noradrenaline release in rat brain slices and rat brain synaptosomes. FEBS Letters, 1987, 219, 445-450. | 2.8 | 12 |

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|---|---|---|---|
| 55 | Solubilization and reconstitution of alpha2-adrenergic receptors from rat and calf brain. FEBS Journal, 1984, 138, 573-577. | 0.2 | 14 |
| 56 | Isolation and partial purification of a clonidine-displacing endogenous brain substance. FEBS Journal, 1984, 144, 287-293. | 0.2 | 136 |
| 57 | Isolation of an endogenous clonidine-displacing substance from rat brain. FEBS Letters, 1984, 170, 387-390. | 2.8 | 62 |
| 58 | Characterization of Benextramine as an Irreversible alpha-Adrenergic Blocker and as a Blocker of Potassium-Activated Calcium Channels. FEBS Journal, 1983, 133, 539-544. | 0.2 | 13 |
| 59 | An Affinity Label for alpha2-Adrenergic Receptors in Rat Brain. FEBS Journal, 1982, 126, 537-541. | 0.2 | 8 |
| 60 | Interaction of Clonidine and Clonidine Analogues with alpha-Adrenergic Receptors of Neuroblastoma x Glioma Hybrid Cells and Rat Brain. Comparison of Ligand Binding with Inhibition of Adenylate Cyclase. FEBS Journal, 1981, 113, 521-529. | 0.2 | 31 |
| 61 | Tentative identification of Î²-adrenoreceptor subunits. Nature, 1978, 272, 370-371. | 27.8 | 50 |
| 62 | Ultrastructural probing of Î²-adrenoreceptors on cell surfaces. FEBS Letters, 1978, 95, 173-176. | 2.8 | 15 |
| 63 | Fluorescent visualization of Î²-adrenergic receptors on cell surfaces. FEBS Letters, 1978, 85, 158-162. | 2.8 | 10 |
| 64 | Eighty thousand Î²-adrenoreceptors in a single cell. Nature, 1977, 268, 144-146. | 27.8 | 27 |
| 65 | Direct localisation of Î²-adrenoceptor sites in rat cerebellum by a new fluorescent analogue of propranolol. Nature, 1976, 261, 420-422. | 27.8 | 58 |