David Njus

List of Publications by Year
in descending order

39	2,426	257357 24	315616 38
papers	citations	h-index	g-index

40	40	40	1292
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Membrane model for the circadian clock. Nature, 1974, 248, 116-120.	13.7	298
2	Active proton uptake by chromaffin granules: observation by amine distribution and phosphorus-31 nuclear magnetic resonance techniques. Biochemistry, 1977, 16, 972-977.	1.2	239
3	Ascorbic acid: The chemistry underlying its antioxidant properties. Free Radical Biology and Medicine, 2020, 159, 37-43.	1.3	224
4	Bioenergetics of secretory vesicles. Biochimica Et Biophysica Acta - Reviews on Bioenergetics, 1986, 853, 237-265.	0.8	198
5	Bioenergetic processes in chromaffin granules a new perspective on some old problems. Biochimica Et Biophysica Acta - Reviews on Bioenergetics, 1978, 463, 219-244.	0.8	135
6	Vitamins C and E donate single hydrogen atoms in vivo. FEBS Letters, 1991, 284, 147-151.	1.3	116
7	A theoretical study of ascorbic acid oxidation andHOOË™/O₂Ë™^{â^'}radical scavenging. Organic and Biomolecular Chemistry, 2017, 15, 4417-4431.	1.5	108
8	Proton-Linked Transport in Chromaffin Granules1 1Abbreviations: Î”Ïˆ, transmembrane potential; Î”pH+, transmembrane pH gradient; Î”Î¼H+ proton motive force, = Î”Ïˆ - [2.3RT/F]Î”pH; ATPase, adenosine triphosphatase; DCCD, N,Nâ€²-dicyclohexylcarbodiimide; DNP, 2,4-dinitrophenol; FCCP, carbonyl cyanide p-trifluoromethoxyphenyl hydrazone; L-DOPA, L-dihydroxyphenylalanine; Nbf-Cl, 4-chloro-7-nitrobenzofurazan; NMR, nuclear magnetic resonance; S-13, 5-chloro-3-tert-butyl-2â€²-chloro-4-nitrosalicylanilide.. Current Topics in Bioenergetics, 1981, 11, 107-147.	2.7	102
9	Clicker Evolution: Seeking Intelligent Design. CBE Life Sciences Education, 2007, 6, 1-8.	1.1	88
10	Phosphorus-31 nuclear magnetic resonance studies of active proton translocation in chromaffin granules. Biochemistry, 1978, 17, 4337-4343.	1.2	77
11	The secretory-vesicle ascorbate-regenerating system: A chain of concerted H+/eâ^'-transfer reactions. Biochimica Et Biophysica Acta - Bioenergetics, 1993, 1144, 235-248.	0.5	77
12	Stoichiometry of hydrogen ion-linked dopamine transport in chromaffin granule ghosts. Biochemistry, 1981, 20, 6625-6629.	1.2	76
13	Electrogenic epinephrine transport in chromaffin granule ghosts. Biochemistry, 1980, 19, 2938-2942.	1.2	74
14	Dinoflagellate bioluminescence: A comparative study of invitro components. Journal of Cellular Physiology, 1976, 87, 123-134.	2.0	73
15	Conditionality of circadian rhythmicity: Synergistic action of light and temperature. Journal of Comparative Physiology â–¡ B, 1977, 117, 335-344.	2.0	71
16	Mechanism of Ascorbic Acid Oxidation by Cytochromeb561. Biochemistry, 2001, 40, 11905-11911.	1.2	45
17	Mechanism of Ascorbic Acid Regeneration Mediated by Cytochrome b561. Annals of the New York Academy of Sciences, 1987, 493, 108-119.	1.8	44
18	A sensitive assay for proteolytic enzymes using bacterial luciferase as a substrate. Analytical Biochemistry, 1974, 61, 280-287.	1.1	43

#	Article	IF	Citations
19	Precision of theGonyaulax circadian clock. Cell Biophysics, 1981, 3, 223-231.	0.4	41
20	Multiple effects of reserpine on chromaffin-granule membranes. Biochemistry, 1982, 21, 1051-1055.	1.2	28
21	Active proteolytic fragment of Gonyaulax luciferase. Biochemistry, 1974, 13, 2871-2877.	1.2	27
22	Kinetics of tyramine transport and permeation across chromaffin-vesicle membranes. Biochemistry, 1984, 23, 2011-2016.	1.2	27
23	Imidazole facilitates electron transfer from organic reductants. Bioelectrochemistry, 2004, 64, 7-13.	2.4	27
24	The epinephrine assay for superoxide: Why dopamine does not work. Analytical Biochemistry, 2008, 381, 142-147.	1.1	26
25	Oxidation of 4-Methylcatechol:Â Implications for the Oxidation of Catecholamines. Biochemistry, 2007, 46, 6978-6983.	1.2	24
26	Rate of transmembrane electron transfer in chromaffin-vesicle ghosts. Biochemistry, 1985, 24, 2640-2644.	1.2	23
27	Hypochlorite converts cysteinyl-dopamine into a cytotoxic product: A possible factor in Parkinson's Disease. Free Radical Biology and Medicine, 2016, 101, 44-52.	1.3	21
28	An electron transfer-dependent membrane potential in chromaffin vesicle ghosts. Biochemistry, 1985, 24, 384-389.	1.2	19
29	Evidence for an Essential Histidine Residue in the Ascorbate-Binding Site of Cytochrome b561. Biochemistry, 2001, 40, 3931-3937.	1.2	17
30	Inhibition of Norepinephrine Transport and Reserpine Binding by Reserpine Derivatives. Journal of Neurochemistry, 1987, 48, 949-953.	2.1	15
31	The chromaffin vesicle and the energetics of storage organelles. Journal of the Autonomic Nervous System, 1983, 7, 35-40.	1.9	13
32	Determination of Transport Parameters of Permeant Substrates of the Vesicular Amine Transporter. Analytical Biochemistry, 1998, 257, 127-133.	1.1	9
33	Electron transfer in chromaffin-vesicle ghosts containing peroxidase. Biochimica Et Biophysica Acta - Molecular Cell Research, 1992, 1135, 280-286.	1.9	6
34	Are Proteinopathy and Oxidative Stress Two Sides of the Same Coin?. Cells, 2019, 8, 59.	1.8	6
35	A spin-label study of plasma membranes of adrenal chromaffin cells. Biochimica Et Biophysica Acta - Biomembranes, 1983, 728, 92-96.	1.4	3
36	Manganese-stimulated redox cycling of dopamine derivatives: Implications for manganism. NeuroToxicology, 2022, 90, 10-18.	1.4	3

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37	The search for the biochemical clock. Trends in Biochemical Sciences, 1976, 1, 79-80.	3.7	2
38	Kinetics of Ferricyanide Reduction by Ascorbate-loaded Chromaffin-Vesicle Ghosts. Annals of the New York Academy of Sciences, 1987, 493, 141-144.	1.8	1
39	Redox Cycling and Superoxide Generation Mediated by Mitochondria and NADH: Implications for Parkinson's Disease. Biophysical Journal, 2014, 106, 184a.	0.2	0