Peter R Rich

List of Publications by Year
in descending order

27	858	567281 15	580821 25
papers	citations	h-index	g-index

28	28	28	927
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The mitochondrial respiratory chain. Essays in Biochemistry, 2010, 47, 1-23.	4.7	183
2	Effects of Mutation of the Conserved Lysine-362 in CytochromecOxidase fromRhodobacter sphaeroidesâ€. Biochemistry, 1997, 36, 14456-14464.	2.5	95
3	Functions of the hydrophilic channels in protonmotive cytochrome c oxidase. Journal of the Royal Society Interface, 2013, 10, 20130183.	3.4	87
4	Mitochondrial cytochrome c oxidase: catalysis, coupling and controversies. Biochemical Society Transactions, 2017, 45, 813-829.	3.4	81
5	Yeast cytochrome c oxidase: A model system to study mitochondrial forms of the haemâ€“copper oxidase superfamily. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 620-628.	1.0	52
6	Effects of Mutation of the Conserved Glutamic Acid-286 in Subunit I of Cytochrome c Oxidase from Rhodobacter sphaeroides. Biochemistry, 1999, 38, 5248-5255.	2.5	37
7	Infrared vibrational spectroscopy: a rapid and novel diagnostic and monitoring tool for cystinuria. Scientific Reports, 2016, 6, 34737.	3.3	36
8	Insights into functions of the H channel of cytochrome c oxidase from atomistic molecular dynamics simulations. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10339-E10348.	7.1	35
9	A common coupling mechanism for A-type heme-copper oxidases from bacteria to mitochondria. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9349-9355.	7.1	32
10	Construction of histidine-tagged yeast mitochondrial cytochrome c oxidase for facile purification of mutant forms. Biochemical Journal, 2012, 444, 199-204.	3.7	29
11	Rapid screening of cytochromes of respiratory mutants of Saccharomyces cerevisiae. Application to the selection of strains containing novel forms of cytochrome-c oxidase. FEBS Journal, 1993, 213, 137-145.	0.2	26
12	Effects of the Hydration State on the Mid-Infrared Spectra of Urea and Creatinine in Relation to Urine Analyses. Applied Spectroscopy, 2016, 70, 983-994.	2.2	23
13	Second-site reversion analysis is not a reliable method to determine distances in membrane proteins: an assessment using mutations in yeast cytochrome c oxidase subunits I and II 1 1Edited by R. Huber. Journal of Molecular Biology, 1998, 283, 727-730.	4.2	21
14	Structural Changes in Cytochrome c Oxidase Induced by Binding of Sodium and Calcium Ions: An ATR-FTIR Study. Journal of the American Chemical Society, 2013, 135, 5802-5807.	13.7	19
15	A perspective on Peter Mitchell and the chemiosmotic theory. Journal of Bioenergetics and Biomembranes, 2008, 40, 407-410.	2.3	18
16	Comparisons of subunit 5A and 5B isoenzymes of yeast cytochrome c oxidase. Biochemical Journal, 2014, 464, 335-342.	3.7	16
17	Structural and functional analysis of deficient mutants in subunit I of cytochrome c oxidase from Saccharomyces cerevisiae. Biochimica Et Biophysica Acta - Bioenergetics, 1997, 1321, 79-92.	1.0	12
18	The reaction of halides with pulsed cytochrome bo from Escherichia coli. Biochemical Journal, 1998, 331, 459-464.	3.7	12

#	Article	IF	Citations
19	Reaction of wild-type and Glu243Asp variant yeast cytochrome c oxidase with O2. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1012-1018.	1.0	11
20	The H channel is not a proton transfer path in yeast cytochrome c oxidase. Biochimica Et Biophysica Acta - Bioenergetics, 2019, 1860, 717-723.	1.0	10
21	Assignment of the CO-sensitive carboxyl group in mitochondrial forms of cytochrome c oxidase using yeast mutants. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 1921-1924.	1.0	7
22	Assessment of Measurement of Salivary Urea by ATR-FTIR Spectroscopy to Screen for CKD. Kidney360, 2022, 3, 357-363.	2.1	7
23	Comparison of redox and ligand binding behaviour of yeast and bovine cytochrome c oxidases using FTIR spectroscopy. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 705-711.	1.0	4
24	Electron Transfer Coupled to Conformational Dynamics in Cell Respiration. Frontiers in Molecular Biosciences, 2021, 8, 711436.	3.5	4
25	Are conventional stone analysis techniques reliable for the identification of 2,8-dihydroxyadenine kidney stones? A case series. Urolithiasis, 2020, 48, 337-344.	2.0	1
26	Cytochrome c Oxidase: Insight into Functions from Studies of the Yeast S. cerevisiae Homologue. , 2017, , 65-79.		0
27	Cytochrome c Oxidase: Oxygen Consumption, Energy Conservation and Control. , 2019, , 147-166.		0