

Peter R Rich

List of Publications by Year in descending order

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27
papers

858
citations

567281

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h-index

580821

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28
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28
docs citations

28
times ranked

927
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of Measurement of Salivary Urea by ATR-FTIR Spectroscopy to Screen for CKD. <i>Kidney360</i> , 2022, 3, 357-363.	2.1	7
2	Electron Transfer Coupled to Conformational Dynamics in Cell Respiration. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 711436.	3.5	4
3	Are conventional stone analysis techniques reliable for the identification of 2,8-dihydroxyadenine kidney stones? A case series. <i>Urolithiasis</i> , 2020, 48, 337-344.	2.0	1
4	A common coupling mechanism for A-type heme-copper oxidases from bacteria to mitochondria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 9349-9355.	7.1	32
5	The H channel is not a proton transfer path in yeast cytochrome c oxidase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2019, 1860, 717-723.	1.0	10
6	Cytochrome c Oxidase: Oxygen Consumption, Energy Conservation and Control. , 2019, , 147-166.		0
7	Comparison of redox and ligand binding behaviour of yeast and bovine cytochrome c oxidases using FTIR spectroscopy. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 705-711.	1.0	4
8	Mitochondrial cytochrome <i>c</i> oxidase: catalysis, coupling and controversies. <i>Biochemical Society Transactions</i> , 2017, 45, 813-829.	3.4	81
9	Insights into functions of the H channel of cytochrome <i>c</i> oxidase from atomistic molecular dynamics simulations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10339-E10348.	7.1	35
10	Cytochrome c Oxidase: Insight into Functions from Studies of the Yeast <i>S. cerevisiae</i> Homologue. , 2017, , 65-79.		0
11	Effects of the Hydration State on the Mid-Infrared Spectra of Urea and Creatinine in Relation to Urine Analyses. <i>Applied Spectroscopy</i> , 2016, 70, 983-994.	2.2	23
12	Infrared vibrational spectroscopy: a rapid and novel diagnostic and monitoring tool for cystinuria. <i>Scientific Reports</i> , 2016, 6, 34737.	3.3	36
13	Comparisons of subunit 5A and 5B isoenzymes of yeast cytochrome <i>c</i> oxidase. <i>Biochemical Journal</i> , 2014, 464, 335-342.	3.7	16
14	Reaction of wild-type and Glu243Asp variant yeast cytochrome c oxidase with O ₂ . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1012-1018.	1.0	11
15	Structural Changes in Cytochrome <i>c</i> Oxidase Induced by Binding of Sodium and Calcium Ions: An ATR-FTIR Study. <i>Journal of the American Chemical Society</i> , 2013, 135, 5802-5807.	13.7	19
16	Functions of the hydrophilic channels in protonmotive cytochrome <i>c</i> oxidase. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20130183.	3.4	87
17	Construction of histidine-tagged yeast mitochondrial cytochrome <i>c</i> oxidase for facile purification of mutant forms. <i>Biochemical Journal</i> , 2012, 444, 199-204.	3.7	29
18	Assignment of the CO-sensitive carboxyl group in mitochondrial forms of cytochrome c oxidase using yeast mutants. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 1921-1924.	1.0	7

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19	Yeast cytochrome c oxidase: A model system to study mitochondrial forms of the haemâ€“copper oxidase superfamily. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 620-628.	1.0	52
20	The mitochondrial respiratory chain. <i>Essays in Biochemistry</i> , 2010, 47, 1-23.	4.7	183
21	A perspective on Peter Mitchell and the chemiosmotic theory. <i>Journal of Bioenergetics and Biomembranes</i> , 2008, 40, 407-410.	2.3	18
22	Effects of Mutation of the Conserved Glutamic Acid-286 in Subunit I of Cytochrome c Oxidase from <i>Rhodobacter sphaeroides</i> . <i>Biochemistry</i> , 1999, 38, 5248-5255.	2.5	37
23	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 Edited by R. Huber. <i>Journal of Molecular Biology</i> , 1998, 283, 727-730.	4.2	21
24	The reaction of halides with pulsed cytochrome bo from <i>Escherichia coli</i> . <i>Biochemical Journal</i> , 1998, 331, 459-464.	3.7	12
25	Effects of Mutation of the Conserved Lysine-362 in CytochromecOxidase from <i>Rhodobacter sphaeroides</i> â€. <i>Biochemistry</i> , 1997, 36, 14456-14464.	2.5	95
26	Structural and functional analysis of deficient mutants in subunit I of cytochrome c oxidase from <i>Saccharomyces cerevisiae</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1997, 1321, 79-92.	1.0	12
27	Rapid screening of cytochromes of respiratory mutants of <i>Saccharomyces cerevisiae</i> . Application to the selection of strains containing novel forms of cytochrome-c oxidase. <i>FEBS Journal</i> , 1993, 213, 137-145.	0.2	26