

Anne Puustinen

List of Publications by Year in descending order

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53
papers

3,691
citations

109321

35
h-index

175258

52
g-index

53
all docs

53
docs citations

53
times ranked

2669
citing authors

#	ARTICLE	IF	CITATIONS
1	The structure of the ubiquinol oxidase from <i>Escherichia coli</i> and its ubiquinone binding site. <i>Nature Structural Biology</i> , 2000, 7, 910-917.	9.7	354
2	Properties of the two terminal oxidases of <i>Escherichia coli</i> . <i>Biochemistry</i> , 1991, 30, 3936-3942.	2.5	326
3	Cytochrome _o (bo) is a proton pump in <i>Paracoccus denitrificans</i> and <i>Escherichia coli</i> . <i>FEBS Letters</i> , 1989, 249, 163-167.	2.8	212
4	Substitution of asparagine for aspartate-135 in subunit I of the cytochrome bo ubiquinol oxidase of <i>Escherichia coli</i> eliminates proton-pumping activity. <i>Biochemistry</i> , 1993, 32, 10923-10928.	2.5	203
5	The catalytic cycle of cytochrome c oxidase is not the sum of its two halves. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 529-533.	7.1	200
6	Proteomic Characterization of Engineered Nanomaterials—Protein Interactions in Relation to Surface Reactivity. <i>ACS Nano</i> , 2011, 5, 4300-4309.	14.6	142
7	Fourier Transform Infrared Evidence for Connectivity between CuB and Glutamic Acid 286 in Cytochrome bo ₃ from <i>Escherichia coli</i> . <i>Biochemistry</i> , 1997, 36, 13195-13200.	2.5	121
8	The role of the D- and K-pathways of proton transfer in the function of the haem—copper oxidases. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2000, 1459, 514-520.	1.0	117
9	Mechanism of proton translocation by the respiratory oxidases. The histidine cycle. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1994, 1187, 106-111.	1.0	111
10	Proton transfer in cytochrome bo ₃ ubiquinol oxidase of <i>Escherichia coli</i> : Second-site mutations in subunit I that restore proton pumping in the mutant Asp135→Asn. <i>Biochemistry</i> , 1995, 34, 4428-4433.	2.5	110
11	Kinetic trapping of oxygen in cell respiration. <i>Nature</i> , 1996, 380, 268-270.	27.8	108
12	Channelling of dioxygen into the respiratory enzyme. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1996, 1275, 1-4.	1.0	103
13	The low-spin heme site of cytochrome o from <i>Escherichia coli</i> is promiscuous with respect to heme type. <i>Biochemistry</i> , 1992, 31, 10363-10369.	2.5	93
14	Gating of proton and water transfer in the respiratory enzyme cytochrome c oxidase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 10478-10481.	7.1	86
15	The <i>Paracoccus denitrificans</i> cytochrome aa ₃ has a third subunit. <i>FEBS Journal</i> , 1988, 172, 543-546.	0.2	74
16	Proton Translocation by Cytochrome c Oxidase Can Take Place without the Conserved Glutamic Acid in Subunit I. <i>Biochemistry</i> , 2000, 39, 7863-7867.	2.5	69
17	Identification of a "peroxy" intermediate in cytochrome bo ₃ of <i>Escherichia coli</i> . <i>Biochemistry</i> , 1995, 34, 15633-15637.	2.5	62
18	Charge Translocation Coupled to Electron Injection into Oxidized Cytochrome c Oxidase from <i>Paracoccus denitrificans</i> . <i>Biochemistry</i> , 2001, 40, 7077-7083.	2.5	60

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19	MicroRNA profiles in nasal mucosa of patients with allergic and nonallergic rhinitis and asthma. <i>International Forum of Allergy and Rhinology</i> , 2013, 3, 612-620.	2.8	60
20	Characterization of Recombinant Amino-terminal NC4 Domain of Human Collagen IX. <i>Journal of Biological Chemistry</i> , 2004, 279, 24265-24273.	3.4	56
21	ATR-FTIR Spectroscopy of the PM and F Intermediates of Bovine and <i>Paracoccus denitrificans</i> Cytochrome c Oxidase. <i>Biochemistry</i> , 2003, 42, 8809-8817.	2.5	55
22	Proteomic and Bioinformatic Characterization of Extracellular Vesicles Released from Human Macrophages upon Influenza A Virus Infection. <i>Journal of Proteome Research</i> , 2017, 16, 217-227.	3.7	55
23	Time-Resolved Step-Scan Fourier Transform Infrared Spectroscopy of the CO Adducts of Bovine Cytochrome c Oxidase and of Cytochrome bo ₃ from <i>Escherichia coli</i> . <i>Biochemistry</i> , 2002, 41, 2675-2683.	2.5	52
24	Identification of a histidine-tyrosine cross-link in the active site of the cbb ₃ -type cytochrome c oxidase from <i>Rhodobacter sphaeroides</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 16135-16140.	7.1	52
25	<i>In situ</i> analysis of liposome hard and soft protein corona structure and composition in a single label-free workflow. <i>Nanoscale</i> , 2020, 12, 1728-1741.	5.6	46
26	The Calcium Binding Site in Cytochrome c ₃ from <i>Paracoccus denitrificans</i> . <i>Biochemistry</i> , 1999, 38, 10670-10677.	2.5	44
27	Binding of O ₂ and Its Reduction Are Both Retarded by Replacement of Valine 279 by Isoleucine in Cytochrome c Oxidase from <i>Paracoccus denitrificans</i> . <i>Biochemistry</i> , 2000, 39, 6365-6372.	2.5	44
28	Phagocytosis of nano-sized titanium dioxide triggers changes in protein acetylation. <i>Journal of Proteomics</i> , 2014, 108, 469-483.	2.4	44
29	An Elementary Reaction Step of the Proton Pump Is Revealed by Mutation of Tryptophan-164 to Phenylalanine in Cytochrome c Oxidase from <i>Paracoccus denitrificans</i> . <i>Biochemistry</i> , 2005, 44, 16502-16512.	2.5	43
30	Glutamate-89 in Subunit II of Cytochrome bo ₃ from <i>Escherichia coli</i> Required for the Function of the Heme ^a -Copper Oxidase. <i>Biochemistry</i> , 1999, 38, 15150-15156.	2.5	41
31	Structural and Chemical Changes of the PM Intermediate of <i>Paracoccus denitrificans</i> Cytochrome c Oxidase Revealed by IR Spectroscopy with Labeled Tyrosines and Histidine. <i>Biochemistry</i> , 2006, 45, 10873-10885.	2.5	41
32	Sequence Analysis of the cbb ₃ Oxidases and an Atomic Model for the <i>Rhodobacter sphaeroides</i> Enzyme. <i>Biochemistry</i> , 2006, 45, 5754-5765.	2.5	40
33	Intramolecular electron transfer in cytochrome o of <i>Escherichia coli</i> : events following the photolysis of fully and partially reduced carbon monoxide-bound forms of the bo ₃ and oo ₃ enzymes. <i>Biochemistry</i> , 1993, 32, 11413-11418.	2.5	39
34	Site-Directed Mutagenesis of Residues within Helix VI in Subunit I of the Cytochrome bo ₃ Ubiquinol Oxidase from <i>Escherichia coli</i> Suggests That Tyrosine 288 May Be a Cu ^B Ligand. <i>Biochemistry</i> , 1994, 33, 13013-13021.	2.5	39
35	Absence of CCR4 Exacerbates Skin Inflammation in an Oxazolone-Induced Contact Hypersensitivity Model. <i>Journal of Investigative Dermatology</i> , 2010, 130, 2743-2751.	0.7	37
36	Heme-copper oxidases with modified D- and K-pathways are yet efficient proton pumps. <i>FEBS Letters</i> , 2001, 497, 159-164.	2.8	36

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37	Peroxiredoxins and tropomyosins as plasma biomarkers for lung cancer and asbestos exposure. <i>Lung Cancer</i> , 2012, 77, 450-459.	2.0	35
38	ATR-FTIR Spectroscopy and Isotope Labeling of the PM Intermediate of <i>Paracoccus denitrificans</i> Cytochrome c Oxidase. <i>Biochemistry</i> , 2004, 43, 14370-14378.	2.5	33
39	Thaumatococin-like protein and baker's respiratory allergy. <i>Annals of Allergy, Asthma and Immunology</i> , 2010, 104, 139-146.	1.0	33
40	Level of Fatty Acid Binding Protein 5 (FABP5) Is Increased in Sputum of Allergic Asthmatics and Links to Airway Remodeling and Inflammation. <i>PLoS ONE</i> , 2015, 10, e0127003.	2.5	33
41	Tryptophan-136 in Subunit II of Cytochrome <i>bo3</i> from <i>Escherichia coli</i> May Participate in the Binding of Ubiquinol. <i>Biochemistry</i> , 1998, 37, 11806-11811.	2.5	29
42	A secretomics analysis reveals major differences in the macrophage responses towards different types of carbon nanotubes. <i>Nanotoxicology</i> , 2015, 9, 719-728.	3.0	29
43	Electron and Proton Transfer in the Arginine-54-Methionine Mutant of Cytochrome <i>c</i> Oxidase from <i>Paracoccus denitrificans</i> . <i>Biochemistry</i> , 2001, 40, 5269-5274.	2.5	28
44	The ϵ -Ferrous-Oxy Intermediate in the Reaction of Dioxygen with Fully Reduced Cytochromes <i>aa3</i> and <i>bo3</i> . <i>Biochemistry</i> , 1996, 35, 16241-16246.	2.5	27
45	Epithelial proteome profiling suggests the essential role of interferon-inducible proteins in patients with allergic rhinitis. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 1288-1298.	2.9	18
46	Interaction between the formyl group of heme a and arginine 54 in cytochrome <i>aa3</i> from <i>Paracoccus denitrificans</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2000, 1456, 1-4.	1.0	15
47	Purification, crystallization and preliminary crystallographic studies of an integral membrane protein, cytochrome <i>bo3</i> ubiquinol oxidase from <i>Escherichia coli</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2000, 56, 1076-1078.	2.5	10
48	Modulation of the active site conformation by site-directed mutagenesis in cytochrome <i>c</i> oxidase from <i>Paracoccus denitrificans</i> . <i>Journal of Inorganic Biochemistry</i> , 2010, 104, 318-323.	3.5	9
49	Elucidating differential nano-bio interactions of multi-walled and single-walled carbon nanotubes using subcellular proteomics. <i>Nanotoxicology</i> , 2018, 12, 554-570.	3.0	7
50	Paprika rhinoconjunctivitis case reveals new occupational <i>Capsicum</i> allergens. <i>American Journal of Industrial Medicine</i> , 2015, 58, 791-794.	2.1	4
51	Proteomic Changes of Alveolar Lining Fluid in Illnesses Associated with Exposure to Inhaled Non-Infectious Microbial Particles. <i>PLoS ONE</i> , 2014, 9, e102624.	2.5	3
52	Invariant Natural Killer T Cells Play a Role in Chemotaxis, Complement Activation and Mucus Production in a Mouse Model of Airway Hyperreactivity and Inflammation. <i>PLoS ONE</i> , 2015, 10, e0129446.	2.5	3
53	1P176 ATR-FTIR Characterisation of the Ferryl Intermediates of Cytochrome <i>c</i> Oxidase (5. Heme) Tj ETQq1 1 0.784314 rgBT / Overlock 10 0.1 0		