

Christian Appenzeller-Herzog

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

3,579
citations

172386

29
h-index

168321

53
g-index

61
all docs

61
docs citations

61
times ranked

5031
citing authors

#	ARTICLE	IF	CITATIONS
1	The ER-Golgi intermediate compartment (ERGIC): in search of its identity and function. <i>Journal of Cell Science</i> , 2006, 119, 2173-2183.	1.2	365
2	The human PDI family: Versatility packed into a single fold. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2008, 1783, 535-548.	1.9	338
3	The lectin ERGIC-53 is a cargo transport receptor for glycoproteins. <i>Nature Cell Biology</i> , 1999, 1, 330-334.	4.6	309
4	Bidirectional crosstalk between endoplasmic reticulum stress and mTOR signaling. <i>Trends in Cell Biology</i> , 2012, 22, 274-282.	3.6	275
5	A novel disulphide switch mechanism in Ero1 β balances ER oxidation in human cells. <i>EMBO Journal</i> , 2008, 27, 2977-2987.	3.5	163
6	Intracellular glutathione pools are heterogeneously concentrated. <i>Redox Biology</i> , 2013, 1, 508-513.	3.9	161
7	Disulphide production by Ero1 β -PDI relay is rapid and effectively regulated. <i>EMBO Journal</i> , 2010, 29, 3318-3329.	3.5	136
8	Redox controls UPR to control redox. <i>Journal of Cell Science</i> , 2014, 127, 3649-58.	1.2	136
9	Glutathione- and non-glutathione-based oxidant control in the endoplasmic reticulum. <i>Journal of Cell Science</i> , 2011, 124, 847-855.	1.2	132
10	Endoplasmic reticulum: Reduced and oxidized glutathione revisited. <i>Journal of Cell Science</i> , 2013, 126, 1604-17.	1.2	131
11	Lectins and traffic in the secretory pathway. <i>FEBS Letters</i> , 2000, 476, 32-37.	1.3	130
12	GPx8 peroxidase prevents leakage of H ₂ O ₂ from the endoplasmic reticulum. <i>Free Radical Biology and Medicine</i> , 2014, 70, 106-116.	1.3	118
13	pH-induced Conversion of the Transport Lectin ERGIC-53 Triggers Glycoprotein Release. <i>Journal of Biological Chemistry</i> , 2004, 279, 12943-12950.	1.6	106
14	The antioxidant machinery of the endoplasmic reticulum: Protection and signaling. <i>Free Radical Biology and Medicine</i> , 2015, 83, 341-351.	1.3	82
15	In Vivo Reduction-Oxidation State of Protein Disulfide Isomerase: The Two Active Sites Independently Occur in the Reduced and Oxidized Forms. <i>Antioxidants and Redox Signaling</i> , 2008, 10, 55-64.	2.5	80
16	Suppression of the Nrf2-Dependent Antioxidant Response by Glucocorticoids and 11 β -HSD1-Mediated Glucocorticoid Activation in Hepatic Cells. <i>PLoS ONE</i> , 2012, 7, e36774.	1.1	74
17	Carbohydrate- and Conformation-dependent Cargo Capture for ER-Exit. <i>Molecular Biology of the Cell</i> , 2005, 16, 1258-1267.	0.9	67
18	A PDI-catalyzed thiol-disulfide switch regulates the production of hydrogen peroxide by human Ero1. <i>Free Radical Biology and Medicine</i> , 2015, 83, 361-372.	1.3	59

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19	Hyperactivity of the Ero1 \pm Oxidase Elicits Endoplasmic Reticulum Stress but No Broad Antioxidant Response. <i>Journal of Biological Chemistry</i> , 2012, 287, 39513-39523.	1.6	54
20	A luminal flavoprotein in endoplasmic reticulum-associated degradation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 14831-14836.	3.3	52
21	The Physiological Functions of Mammalian Endoplasmic Oxidoreductin 1: On Disulfides and More. <i>Antioxidants and Redox Signaling</i> , 2012, 16, 1109-1118.	2.5	52
22	Transit of H ₂ O ₂ across the endoplasmic reticulum membrane is not sluggish. <i>Free Radical Biology and Medicine</i> , 2016, 94, 157-160.	1.3	48
23	The worldwide clinical trial research response to the COVID-19 pandemic - the first 100 days. <i>F1000Research</i> , 2020, 9, 1193.	0.8	41
24	The worldwide clinical trial research response to the COVID-19 pandemic - the first 100 days. <i>F1000Research</i> , 2020, 9, 1193.	0.8	38
25	Destroy and Exploit: Catalyzed Removal of Hydroperoxides from the Endoplasmic Reticulum. <i>International Journal of Cell Biology</i> , 2013, 2013, 1-13.	1.0	37
26	Endoplasmic Reticulum Oxidoreductin-1 \pm (Ero1 \pm) Improves Folding and Secretion of Mutant Proinsulin and Limits Mutant Proinsulin-induced Endoplasmic Reticulum Stress. <i>Journal of Biological Chemistry</i> , 2013, 288, 31010-31018.	1.6	36
27	Green fluorescent protein-based monitoring of endoplasmic reticulum redox poise. <i>Frontiers in Genetics</i> , 2013, 4, 108.	1.1	35
28	ER-luminal thiol/selenol-mediated regulation of Ca ²⁺ signalling. <i>Biochemical Society Transactions</i> , 2016, 44, 452-459.	1.6	34
29	Comparative effectiveness of common therapies for Wilson disease: A systematic review and meta-analysis of controlled studies. <i>Liver International</i> , 2019, 39, 2136-2152.	1.9	33
30	Interventions Facilitating Family Communication of Genetic Testing Results and Cascade Screening in Hereditary Breast/Ovarian Cancer or Lynch Syndrome: A Systematic Review and Meta-Analysis. <i>Cancers</i> , 2021, 13, 925.	1.7	29
31	Identification of the PDI-Family Member ERp90 as an Interaction Partner of ERFAD. <i>PLoS ONE</i> , 2011, 6, e17037.	1.1	22
32	Long-term Survival After Out-of-Hospital Cardiac Arrest. <i>JAMA Cardiology</i> , 2022, 7, 633.	3.0	20
33	Diagnosing Overtraining Syndrome: A Scoping Review. <i>Sports Health</i> , 2022, 14, 665-673.	1.3	17
34	Human ER Oxidoreductin-1 \pm (Ero1 \pm) Undergoes Dual Regulation through Complementary Redox Interactions with Protein-Disulfide Isomerase. <i>Journal of Biological Chemistry</i> , 2016, 291, 23952-23964.	1.6	15
35	Ca ²⁺ mobilization-dependent reduction of the endoplasmic reticulum lumen is due to influx of cytosolic glutathione. <i>BMC Biology</i> , 2020, 18, 19.	1.7	14
36	Clinical parameters and biomarkers predicting spontaneous operational tolerance after liver transplantation: A scoping review. <i>American Journal of Transplantation</i> , 2021, 21, 3312-3323.	2.6	14

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37	Cysteines 208 and 241 in Ero1 \pm are required for maximal catalytic turnover. <i>Redox Biology</i> , 2016, 7, 14-20.	3.9	13
38	A systematic review on conservative treatment options for OSGOOD-Schlatter disease. <i>Physical Therapy in Sport</i> , 2021, 49, 178-187.	0.8	12
39	Abductor Muscle Strength Deficit in Patients After Total Hip Arthroplasty: A Systematic Review and Meta-Analysis. <i>Journal of Arthroplasty</i> , 2021, 36, 3015-3027.	1.5	12
40	Updates on Endoplasmic Reticulum Redox Antioxidants and Redox Signaling, 2012, 16, 760-762.	2.5	11
41	Impact of sedentary behavior on large artery structure and function in children and adolescents: a systematic review. <i>European Journal of Pediatrics</i> , 2020, 179, 17-27.	1.3	9
42	Direct to angiography suite approaches for the triage of suspected acute stroke patients: a systematic review and meta-analysis. <i>Therapeutic Advances in Neurological Disorders</i> , 2022, 15, 17562864221078177.	1.5	9
43	Biochemical evidence that regulation of Ero1 \pm activity in human cells does not involve the isoform-specific cysteine 262. <i>Bioscience Reports</i> , 2014, 34, .	1.1	8
44	Outcome of right ventricular assist device implantation following left ventricular assist device implantation: Systematic review and meta-analysis. <i>Perfusion (United Kingdom)</i> , 2022, 37, 773-784.	0.5	8
45	Using citation tracking for systematic literature searching - A study protocol for a scoping review of methodological studies and a Delphi study. <i>F1000Research</i> , 2020, 9, 1386.	0.8	8
46	Prognostic factors for the occurrence of post-operative shoulder stiffness after arthroscopic rotator cuff repair: a systematic review. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, 99.	0.8	7
47	The metabolic signature of cardiorespiratory fitness: a protocol for a systematic review and meta-analysis. <i>BMJ Open Sport and Exercise Medicine</i> , 2021, 7, e001008.	1.4	5
48	Antimicrobial Prophylaxis for Postoperative Urinary Tract Infections in Transurethral Resection of Bladder Tumors: A Systematic Review and Meta-Analysis. <i>Journal of Urology</i> , 2021, 205, 987-998.	0.2	5
49	Using citation tracking for systematic literature searching - A study protocol for a scoping review of methodological studies and an expert survey. <i>F1000Research</i> , 2020, 9, 1386.	0.8	5
50	The Metabolic Signature of Cardiorespiratory Fitness: A Systematic Review. <i>Sports Medicine</i> , 2022, 52, 527-546.	3.1	5
51	Methodological approaches for conducting follow-up research with clinical trial participants: a scoping review and expert interviews. <i>Trials</i> , 2021, 22, 961.	0.7	4
52	Abductor muscle strength deficit in patients after total hip arthroplasty for hip osteoarthritis: a protocol for a systematic review and meta-analysis. <i>BMJ Open</i> , 2020, 10, e035413.	0.8	2
53	Clinical parameters and biomarkers predicting spontaneous operational tolerance after liver transplantation: a scoping review protocol. <i>F1000Research</i> , 2019, 8, 2059.	0.8	1
54	Cell Biology of Cysteine-Based Molecular Switches. <i>International Journal of Cell Biology</i> , 2014, 2014, 1-2.	1.0	0

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55	Hip abductor muscle strength in patients after total or unicompartmental knee arthroplasty for knee osteoarthritis or avascular necrosis: a systematic review and meta-analysis protocol. <i>BMJ Open</i> , 2020, 10, e038770.	0.8	0
56	Antibiotic prophylaxis in transurethral resection of bladder tumours: study protocol for a systematic review and meta-analysis. <i>Systematic Reviews</i> , 2020, 9, 89.	2.5	0
57	Monitoring Changes in the Oxidizing Milieu in the Endoplasmic Reticulum of Mammalian Cells Using HyPerER. <i>Bio-protocol</i> , 2021, 11, e4076.	0.2	0
58	Reply by Authors. <i>Journal of Urology</i> , 2021, 205, 998-998.	0.2	0