

Marcus Conrad

List of Publications by Year in descending order

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140
papers

35,641
citations

15880

67
h-index

13274

135
g-index

153
all docs

153
docs citations

153
times ranked

27386
citing authors

#	ARTICLE	IF	CITATIONS
1	Ferroptosis: A Regulated Cell Death Nexus Linking Metabolism, Redox Biology, and Disease. <i>Cell</i> , 2017, 171, 273-285.	13.5	4,081
2	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , 2018, 25, 486-541.	5.0	4,036
3	Inactivation of the ferroptosis regulator Gpx4 triggers acute renal failure in mice. <i>Nature Cell Biology</i> , 2014, 16, 1180-1191.	4.6	2,241
4	Ferroptosis: mechanisms, biology and role in disease. <i>Nature Reviews Molecular Cell Biology</i> , 2021, 22, 266-282.	16.1	2,178
5	ACSL4 dictates ferroptosis sensitivity by shaping cellular lipid composition. <i>Nature Chemical Biology</i> , 2017, 13, 91-98.	3.9	2,069
6	FSP1 is a glutathione-independent ferroptosis suppressor. <i>Nature</i> , 2019, 575, 693-698.	13.7	1,624
7	Oxidized arachidonic and adrenic PEs navigate cells to ferroptosis. <i>Nature Chemical Biology</i> , 2017, 13, 81-90.	3.9	1,589
8	Glutathione Peroxidase 4 Senses and Translates Oxidative Stress into 12/15-Lipoxygenase Dependent- and AIF-Mediated Cell Death. <i>Cell Metabolism</i> , 2008, 8, 237-248.	7.2	1,009
9	Selenium Utilization by GPX4 Is Required to Prevent Hydroperoxide-Induced Ferroptosis. <i>Cell</i> , 2018, 172, 409-422.e21.	13.5	920
10	Ferroptosis at the crossroads of cancer-acquired drug resistance and immune evasion. <i>Nature Reviews Cancer</i> , 2019, 19, 405-414.	12.8	742
11	Role of GPX4 in ferroptosis and its pharmacological implication. <i>Free Radical Biology and Medicine</i> , 2019, 133, 144-152.	1.3	728
12	The Metabolic Underpinnings of Ferroptosis. <i>Cell Metabolism</i> , 2020, 32, 920-937.	7.2	590
13	On the Mechanism of Cytoprotection by Ferrostatin-1 and Liproxstatin-1 and the Role of Lipid Peroxidation in Ferroptotic Cell Death. <i>ACS Central Science</i> , 2017, 3, 232-243.	5.3	583
14	Regulated necrosis: disease relevance and therapeutic opportunities. <i>Nature Reviews Drug Discovery</i> , 2016, 15, 348-366.	21.5	481
15	The chemical basis of ferroptosis. <i>Nature Chemical Biology</i> , 2019, 15, 1137-1147.	3.9	477
16	Ultrasmall nanoparticles induce ferroptosis in nutrient-deprived cancer cells and suppress tumour growth. <i>Nature Nanotechnology</i> , 2016, 11, 977-985.	15.6	467
17	T cell lipid peroxidation induces ferroptosis and prevents immunity to infection. <i>Journal of Experimental Medicine</i> , 2015, 212, 555-568.	4.2	454
18	Essential Role for Mitochondrial Thioredoxin Reductase in Hematopoiesis, Heart Development, and Heart Function. <i>Molecular and Cellular Biology</i> , 2004, 24, 9414-9423.	1.1	428

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19	The oxidative stress-inducible cystine/glutamate antiporter, system x _c ⁻ : cystine supplier and beyond. <i>Amino Acids</i> , 2012, 42, 231-246.	1.2	424
20	Nano-targeted induction of dual ferroptotic mechanisms eradicates high-risk neuroblastoma. <i>Journal of Clinical Investigation</i> , 2018, 128, 3341-3355.	3.9	406
21	Ferroptosis Inhibition: Mechanisms and Opportunities. <i>Trends in Pharmacological Sciences</i> , 2017, 38, 489-498.	4.0	389
22	GPx4, Lipid Peroxidation, and Cell Death: Discoveries, Rediscoveries, and Open Issues. <i>Antioxidants and Redox Signaling</i> , 2018, 29, 61-74.	2.5	377
23	Regulation of lipid peroxidation and ferroptosis in diverse species. <i>Genes and Development</i> , 2018, 32, 602-619.	2.7	339
24	Iron and ferroptosis: A still ill-defined liaison. <i>IUBMB Life</i> , 2017, 69, 423-434.	1.5	325
25	Cytoplasmic Thioredoxin Reductase Is Essential for Embryogenesis but Dispensable for Cardiac Development. <i>Molecular and Cellular Biology</i> , 2005, 25, 1980-1988.	1.1	315
26	Identification and Successful Negotiation of a Metabolic Checkpoint in Direct Neuronal Reprogramming. <i>Cell Stem Cell</i> , 2016, 18, 396-409.	5.2	307
27	Mitochondrial glutathione peroxidase 4 disruption causes male infertility. <i>FASEB Journal</i> , 2009, 23, 3233-3242.	0.2	251
28	The cystine/cysteine cycle: a redox cycle regulating susceptibility versus resistance to cell death. <i>Oncogene</i> , 2008, 27, 1618-1628.	2.6	248
29	European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). <i>Redox Biology</i> , 2017, 13, 94-162.	3.9	242
30	Ferroptosis and necroinflammation, a yet poorly explored link. <i>Cell Death and Differentiation</i> , 2019, 26, 14-24.	5.0	236
31	The Nuclear Form of Phospholipid Hydroperoxide Glutathione Peroxidase Is a Protein Thiol Peroxidase Contributing to Sperm Chromatin Stability. <i>Molecular and Cellular Biology</i> , 2005, 25, 7637-7644.	1.1	233
32	Identification of a specific sperm nuclei selenoenzyme necessary for protamine thiol cross-linking during sperm maturation. <i>FASEB Journal</i> , 2001, 15, 1236-1238.	0.2	232
33	The ferroptosis inducer erastin irreversibly inhibits system x _c ⁻ and synergizes with cisplatin to increase cisplatin's cytotoxicity in cancer cells. <i>Scientific Reports</i> , 2018, 8, 968.	1.6	222
34	Selenoprotein Gene Nomenclature. <i>Journal of Biological Chemistry</i> , 2016, 291, 24036-24040.	1.6	207
35	Glutathione peroxidase 4 and vitamin E cooperatively prevent hepatocellular degeneration. <i>Redox Biology</i> , 2016, 9, 22-31.	3.9	201
36	Oxytosis/Ferroptosis (Re-) Emerging Roles for Oxidative Stress-Dependent Non-apoptotic Cell Death in Diseases of the Central Nervous System. <i>Frontiers in Neuroscience</i> , 2018, 12, 214.	1.4	197

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37	Neuronal selenoprotein expression is required for interneuron development and prevents seizures and neurodegeneration. <i>FASEB Journal</i> , 2010, 24, 844-852.	0.2	193
38	System xc ⁻ and Thioredoxin Reductase 1 Cooperatively Rescue Glutathione Deficiency. <i>Journal of Biological Chemistry</i> , 2010, 285, 22244-22253.	1.6	183
39	Bid-mediated mitochondrial damage is a key mechanism in glutamate-induced oxidative stress and AIF-dependent cell death in immortalized HT-22 hippocampal neurons. <i>Cell Death and Differentiation</i> , 2011, 18, 282-292.	5.0	161
40	MDM2 and MDMX promote ferroptosis by PPAR α -mediated lipid remodeling. <i>Genes and Development</i> , 2020, 34, 526-543.	2.7	156
41	Quantitative Profiling of Protein Carbonylations in Ferroptosis by an Aniline-Derived Probe. <i>Journal of the American Chemical Society</i> , 2018, 140, 4712-4720.	6.6	139
42	Combined Deficiency in Glutathione Peroxidase 4 and Vitamin E Causes Multiorgan Thrombus Formation and Early Death in Mice. <i>Circulation Research</i> , 2013, 113, 408-417.	2.0	127
43	Selenium and GPX4, a vital symbiosis. <i>Free Radical Biology and Medicine</i> , 2018, 127, 153-159.	1.3	127
44	Loss of Thioredoxin Reductase 1 Renders Tumors Highly Susceptible to Pharmacologic Glutathione Deprivation. <i>Cancer Research</i> , 2010, 70, 9505-9514.	0.4	120
45	Dysfunction of the key ferroptosis-surveilling systems hypersensitizes mice to tubular necrosis during acute kidney injury. <i>Nature Communications</i> , 2021, 12, 4402.	5.8	116
46	Physiological role of phospholipid hydroperoxide glutathione peroxidase in mammals. <i>Biological Chemistry</i> , 2007, 388, 1019-1025.	1.2	111
47	Dopaminergic neurons of system xc ⁻ deficient mice are highly protected against 6-hydroxydopamine-induced toxicity. <i>FASEB Journal</i> , 2011, 25, 1359-1369.	0.2	109
48	Fin56-induced ferroptosis is supported by autophagy-mediated GPX4 degradation and functions synergistically with mTOR inhibition to kill bladder cancer cells. <i>Cell Death and Disease</i> , 2021, 12, 1028.	2.7	107
49	Ferroptotic cell death triggered by conjugated linolenic acids is mediated by ACSL1. <i>Nature Communications</i> , 2021, 12, 2244.	5.8	104
50	EpCAM Is Involved in Maintenance of the Murine Embryonic Stem Cell Phenotype. <i>Stem Cells</i> , 2009, 27, 1782-1791.	1.4	98
51	Glutathione peroxidase 4 (Gpx4) and ferroptosis: what's so special about it?. <i>Molecular and Cellular Oncology</i> , 2015, 2, e995047.	0.3	97
52	Sorafenib fails to trigger ferroptosis across a wide range of cancer cell lines. <i>Cell Death and Disease</i> , 2021, 12, 698.	2.7	92
53	Persister cancer cells: Iron addiction and vulnerability to ferroptosis. <i>Molecular Cell</i> , 2022, 82, 728-740.	4.5	92
54	Novel Allosteric Activators for Ferroptosis Regulator Glutathione Peroxidase 4. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 266-275.	2.9	91

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55	The Role of Thioredoxin Reductases in Brain Development. <i>PLoS ONE</i> , 2008, 3, e1813.	1.1	91
56	Selective activation of oxidized PTP1B by the thioredoxin system modulates PDGF- β receptor tyrosine kinase signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13398-13403.	3.3	89
57	Rapid proteomic remodeling of cardiac tissue caused by total body ionizing radiation. <i>Proteomics</i> , 2011, 11, 3299-3311.	1.3	87
58	Human thioredoxin 2 deficiency impairs mitochondrial redox homeostasis and causes early-onset neurodegeneration. <i>Brain</i> , 2016, 139, 346-354.	3.7	86
59	12/15-lipoxygenase-derived lipid peroxides control receptor tyrosine kinase signaling through oxidation of protein tyrosine phosphatases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 15774-15779.	3.3	85
60	Glutathione Peroxidases at Work on Epididymal Spermatozoa: An Example of the Dual Effect of Reactive Oxygen Species on Mammalian Male Fertilizing Ability. <i>Journal of Andrology</i> , 2011, 32, 641-650.	2.0	85
61	Mutations in the mitochondrial thioredoxin reductase gene TXNRD2 cause dilated cardiomyopathy. <i>European Heart Journal</i> , 2011, 32, 1121-1133.	1.0	84
62	Targeting Ferroptosis: New Hope for As-Yet-Incurable Diseases. <i>Trends in Molecular Medicine</i> , 2021, 27, 113-122.	3.5	81
63	A Glutathione-Nrf2-Thioredoxin Cross-Talk Ensures Keratinocyte Survival and Efficient Wound Repair. <i>PLoS Genetics</i> , 2016, 12, e1005800.	1.5	80
64	The thioredoxin-1 system is essential for fueling DNA synthesis during T-cell metabolic reprogramming and proliferation. <i>Nature Communications</i> , 2018, 9, 1851.	5.8	77
65	Transgenic mouse models for the vital selenoenzymes cytosolic thioredoxin reductase, mitochondrial thioredoxin reductase and glutathione peroxidase 4. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009, 1790, 1575-1585.	1.1	75
66	The redox environment triggers conformational changes and aggregation of hIAPP in Type II Diabetes. <i>Scientific Reports</i> , 2017, 7, 44041.	1.6	75
67	Cerebellar Hypoplasia in Mice Lacking Selenoprotein Biosynthesis in Neurons. <i>Biological Trace Element Research</i> , 2014, 158, 203-210.	1.9	73
68	Optimization of spatiotemporal gene inactivation in mouse heart by oral application of tamoxifen citrate. <i>Genesis</i> , 2007, 45, 11-16.	0.8	70
69	Mitochondrial Thioredoxin Reductase Is Essential for Early Postischemic Myocardial Protection. <i>Circulation</i> , 2011, 124, 2892-2902.	1.6	70
70	Expression of a Catalytically Inactive Mutant Form of Glutathione Peroxidase 4 (Gpx4) Confers a Dominant-negative Effect in Male Fertility. <i>Journal of Biological Chemistry</i> , 2015, 290, 14668-14678.	1.6	69
71	Changes in ferrous iron and glutathione promote ferroptosis and frailty in aging <i>Caenorhabditis elegans</i> . <i>ELife</i> , 2020, 9, .	2.8	68
72	Absence of Glutathione Peroxidase 4 Affects Tumor Angiogenesis through Increased 12/15-Lipoxygenase Activity. <i>Neoplasia</i> , 2010, 12, 254-263.	2.3	67

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73	Non-enzymatic lipid peroxidation initiated by photodynamic therapy drives a distinct ferroptosis-like cell death pathway. <i>Redox Biology</i> , 2021, 45, 102056.	3.9	67
74	Selenium: Tracing Another Essential Element of Ferroptotic Cell Death. <i>Cell Chemical Biology</i> , 2020, 27, 409-419.	2.5	66
75	Cystathionine Is a Novel Substrate of Cystine/Glutamate Transporter. <i>Journal of Biological Chemistry</i> , 2015, 290, 8778-8788.	1.6	65
76	Empowerment of 15-Lipoxygenase Catalytic Competence in Selective Oxidation of Membrane ETE-PE to Ferroptotic Death Signals, HpETE-PE. <i>Journal of the American Chemical Society</i> , 2018, 140, 17835-17839.	6.6	63
77	Testis-Specific Expression of the Nuclear Form of Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx). <i>Biological Chemistry</i> , 2003, 384, 635-643.	1.2	62
78	Targeting ferroptosis protects against experimental (multi)organ dysfunction and death. <i>Nature Communications</i> , 2022, 13, 1046.	5.8	60
79	Phosphoinositide 3-Kinases Upregulate System x _c ⁺ via Eukaryotic Initiation Factor 2 β and Activating Transcription Factor 4 Pathway Active in Glioblastomas and Epilepsy. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 2907-2922.	2.5	58
80	Targeted Disruption of Glutathione Peroxidase 4 in Mouse Skin Epithelial Cells Impairs Postnatal Hair Follicle Morphogenesis that Is Partially Rescued through Inhibition of COX-2. <i>Journal of Investigative Dermatology</i> , 2013, 133, 1731-1741.	0.3	56
81	Protein disulfide isomerase and glutathione are alternative substrates in the one Cys catalytic cycle of glutathione peroxidase 7. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 3846-3857.	1.1	53
82	Disruption of Thioredoxin Reductase 1 Protects Mice from Acute Acetaminophen-Induced Hepatotoxicity through Enhanced NRF2 Activity. <i>Chemical Research in Toxicology</i> , 2013, 26, 1088-1096.	1.7	53
83	Thiol switches in mitochondria: operation and physiological relevance. <i>Biological Chemistry</i> , 2015, 396, 465-482.	1.2	53
84	Cardiolipin Signaling Mechanisms: Collapse of Asymmetry and Oxidation. <i>Antioxidants and Redox Signaling</i> , 2015, 22, 1667-1680.	2.5	50
85	Broken hearts: Iron overload, ferroptosis and cardiomyopathy. <i>Cell Research</i> , 2019, 29, 263-264.	5.7	50
86	Role of the Mammalian RNA Polymerase II C-Terminal Domain (CTD) Nonconsensus Repeats in CTD Stability and Cell Proliferation. <i>Molecular and Cellular Biology</i> , 2005, 25, 7665-7674.	1.1	49
87	Unveiling the Molecular Mechanisms Behind Selenium-Related Diseases Through Knockout Mouse Studies. <i>Antioxidants and Redox Signaling</i> , 2010, 12, 851-865.	2.5	47
88	Knockout of Mitochondrial Thioredoxin Reductase Stabilizes Prolyl Hydroxylase 2 and Inhibits Tumor Growth and Tumor-Derived Angiogenesis. <i>Antioxidants and Redox Signaling</i> , 2015, 22, 938-950.	2.5	46
89	Endothelial Dysfunction, and A Prothrombotic, Proinflammatory Phenotype Is Caused by Loss of Mitochondrial Thioredoxin Reductase in Endothelium. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 1891-1899.	1.1	45
90	The nuclear form of glutathione peroxidase 4 is associated with sperm nuclear matrix and is required for proper paternal chromatin decondensation at fertilization. <i>Journal of Cellular Physiology</i> , 2012, 227, 1420-1427.	2.0	44

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91	Cathepsin B is an executioner of ferroptosis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118928.	1.9	44
92	Thioredoxin reductase 1 suppresses adipocyte differentiation and insulin responsiveness. <i>Scientific Reports</i> , 2016, 6, 28080.	1.6	42
93	Glutathione peroxidase 4 and vitamin E control reticulocyte maturation, stress erythropoiesis and iron homeostasis. <i>Haematologica</i> , 2020, 105, 937-950.	1.7	42
94	The arginine methyltransferase PRMT7 promotes extravasation of monocytes resulting in tissue injury in COPD. <i>Nature Communications</i> , 2022, 13, 1303.	5.8	42
95	ADF/cofilin proteins translocate to mitochondria during apoptosis but are not generally required for cell death signaling. <i>Cell Death and Differentiation</i> , 2012, 19, 958-967.	5.0	41
96	Characterization of a patient-derived variant of GPX4 for precision therapy. <i>Nature Chemical Biology</i> , 2022, 18, 91-100.	3.9	41
97	Embryonal erythropoiesis and aging exploit ferroptosis. <i>Redox Biology</i> , 2021, 48, 102175.	3.9	40
98	Induction of inducible nitric oxide synthase (iNOS) expression by oxLDL inhibits macrophage derived foam cell migration. <i>Atherosclerosis</i> , 2014, 235, 213-222.	0.4	39
99	Loss of the cystine/glutamate antiporter in melanoma abrogates tumor metastasis and markedly increases survival rates of mice. <i>International Journal of Cancer</i> , 2020, 147, 3224-3235.	2.3	39
100	Alterations in neuronal control of body weight and anxiety behavior by glutathione peroxidase 4 deficiency. <i>Neuroscience</i> , 2017, 357, 241-254.	1.1	38
101	Apolipoprotein E potently inhibits ferroptosis by blocking ferritinophagy. <i>Molecular Psychiatry</i> , 2022, , .	4.1	38
102	Epididymis Response Partly Compensates for Spermatozoa Oxidative Defects in snGPx4 and GPx5 Double Mutant Mice. <i>PLoS ONE</i> , 2012, 7, e38565.	1.1	37
103	Embryonic expression profile of phospholipid hydroperoxide glutathione peroxidase. <i>Gene Expression Patterns</i> , 2006, 6, 489-494.	0.3	35
104	Label-free protein profiling of formalin-fixed paraffin-embedded (FFPE) heart tissue reveals immediate mitochondrial impairment after ionising radiation. <i>Journal of Proteomics</i> , 2012, 75, 2384-2395.	1.2	35
105	Cysteine mutant of mammalian GPx4 rescues cell death induced by disruption of the wild-type selenoenzyme. <i>FASEB Journal</i> , 2011, 25, 2135-2144.	0.2	34
106	The antioxidant requirement for plasma membrane repair in skeletal muscle. <i>Free Radical Biology and Medicine</i> , 2015, 84, 246-253.	1.3	31
107	ROS, thiols and thiol-regulating systems in male gametogenesis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 1566-1574.	1.1	31
108	Glutathione and thioredoxin dependent systems in neurodegenerative disease: What can be learned from reverse genetics in mice. <i>Neurochemistry International</i> , 2013, 62, 738-749.	1.9	30

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109	Nutritional and Metabolic Control of Ferroptosis. <i>Annual Review of Nutrition</i> , 2022, 42, 275-309.	4.3	30
110	Modulation of Glutathione Hemostasis by Inhibition of 12/15-Lipoxygenase Prevents ROS-Mediated Cell Death after Hepatic Ischemia and Reperfusion. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-12.	1.9	29
111	hIAPP forms toxic oligomers in plasma. <i>Chemical Communications</i> , 2018, 54, 5426-5429.	2.2	28
112	Nitric oxide protects against ferroptosis by aborting the lipid peroxidation chain reaction. <i>Nitric Oxide - Biology and Chemistry</i> , 2021, 115, 34-43.	1.2	28
113	Emerging roles for non-selenium containing ER-resident glutathione peroxidases in cell signaling and disease. <i>Biological Chemistry</i> , 2021, 402, 271-287.	1.2	26
114	Sec-containing TrxR1 is essential for self-sufficiency of cells by control of glucose-derived H ₂ O ₂ . <i>Cell Death and Disease</i> , 2014, 5, e1235-e1235.	2.7	25
115	The mitochondrial thioredoxin reductase system (TrxR2) in vascular endothelium controls peroxynitrite levels and tissue integrity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	25
116	Ferroptosis: the Good, the Bad and the Ugly. <i>Cell Research</i> , 2020, 30, 1061-1062.	5.7	24
117	Remodeling of nuclear architecture by the thiodioxopiperazine metabolite chaetocin. <i>Experimental Cell Research</i> , 2010, 316, 1662-1680.	1.2	23
118	In vivo dynamics of acidosis and oxidative stress in the acute phase of an ischemic stroke in a rodent model. <i>Redox Biology</i> , 2021, 48, 102178.	3.9	22
119	Optimized Vector for Conditional Gene Targeting in Mouse Embryonic Stem Cells. <i>BioTechniques</i> , 2003, 34, 1136-1140.	0.8	21
120	Juggling with lipids, a game of Russian roulette. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 463-473.	3.1	21
121	B- and T-cell-specific inactivation of thioredoxin reductase 2 does not impair lymphocyte development and maintenance. <i>Biological Chemistry</i> , 2007, 388, 1083-1090.	1.2	16
122	Mouse brain proteomics establishes MDGA1 and CACHD1 as in vivo substrates of the Alzheimer protease BACE1. <i>FASEB Journal</i> , 2020, 34, 2465-2482.	0.2	16
123	Selenium and iron, two elemental rivals in the ferroptotic death process. <i>Oncotarget</i> , 2018, 9, 22241-22242.	0.8	13
124	NFE2L1-mediated proteasome function protects from ferroptosis. <i>Molecular Metabolism</i> , 2022, 57, 101436.	3.0	13
125	Protein kinase-regulated expression and immune function of thioredoxin reductase 1 in mouse macrophages. <i>Molecular Immunology</i> , 2011, 49, 311-316.	1.0	12
126	Reduced mitochondrial resilience enables non-canonical induction of apoptosis after TNF receptor signaling in virus-infected hepatocytes. <i>Journal of Hepatology</i> , 2020, 73, 1347-1359.	1.8	11

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127	Non-invasive and high-throughput interrogation of exon-specific isoform expression. <i>Nature Cell Biology</i> , 2021, 23, 652-663.	4.6	11
128	Missense mutation in selenocysteine synthase causes cardio-respiratory failure and perinatal death in mice which can be compensated by selenium-independent GPX4. <i>Redox Biology</i> , 2021, 48, 102188.	3.9	11
129	Glioblastoma Relapses Show Increased Markers of Vulnerability to Ferroptosis. <i>Frontiers in Oncology</i> , 2022, 12, 841418.	1.3	10
130	Lipoxygenasesâ€”Killers against Their Will?. <i>ACS Central Science</i> , 2018, 4, 312-314.	5.3	8
131	Oxidative Stress, Selenium Redox Systems Including GPX/TXNRD Families. <i>Molecular and Integrative Toxicology</i> , 2018, , 111-135.	0.5	5
132	Mouse Models that Target Individual Selenoproteins. , 2016, , 567-578.		4
133	Glutathione Peroxidases. , 2018, , 260-276.		3
134	Mitochondrial and cytosolic thioredoxin reductase knockout mice. , 2006, , 195-206.		3
135	A cozy niche in an iron world. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 261.	7.1	2
136	Glutathione Peroxidase 4 and Ferroptosis. , 2016, , 511-521.		1
137	Ferroptosis: Physiological and pathophysiological aspects. , 2020, , 149-166.		1
138	NNT in NSCLC: No need to worry?. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	1
139	Mouse Models for Glutathione Peroxidase 4 (GPx4). , 2011, , 547-559.		0
140	The thioredoxin reductase system is a critical factor in mediating acetaminophenâ€”induced liver damage. <i>FASEB Journal</i> , 2011, 25, 100.6.	0.2	0