

Willard M Freeman

List of Publications by Year in descending order

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Version: 2024-02-01

131
papers

7,758
citations

71061

41
h-index

60583

81
g-index

143
all docs

143
docs citations

143
times ranked

10528
citing authors

#	ARTICLE	IF	CITATIONS
1	Twenty-five years of quantitative PCR for gene expression analysis. <i>BioTechniques</i> , 2008, 44, 619-626.	0.8	961
2	Quantitative RT-PCR: Pitfalls and Potential. <i>BioTechniques</i> , 1999, 26, 112-125.	0.8	924
3	Diabetic Retinopathy. <i>Diabetes</i> , 2006, 55, 2401-2411.	0.3	673
4	The role of DNA methylation in epigenetics of aging. , 2019, 195, 172-185.		216
5	Tyrosine mRNA is expressed in human substantia nigra. <i>Molecular Brain Research</i> , 1997, 45, 159-162.	2.5	194
6	Fundamentals of DNA Hybridization Arrays for Gene Expression Analysis. <i>BioTechniques</i> , 2000, 29, 1042-1055.	0.8	161
7	Circulating Cytokines as Biomarkers of Alcohol Abuse and Alcoholism. <i>Journal of NeuroImmune Pharmacology</i> , 2010, 5, 83-91.	2.1	161
8	Sexually divergent induction of microglial-associated neuroinflammation with hippocampal aging. <i>Journal of Neuroinflammation</i> , 2017, 14, 141.	3.1	142
9	Focused, high accuracy 5-methylcytosine quantitation with base resolution by benchtop next-generation sequencing. <i>Epigenetics and Chromatin</i> , 2013, 6, 33.	1.8	127
10	Hippocampal dysregulation of synaptic plasticity-associated proteins with age-related cognitive decline. <i>Neurobiology of Disease</i> , 2011, 43, 201-212.	2.1	120
11	Insulin-like growth factor receptor signaling regulates working memory, mitochondrial metabolism, and amyloid- β uptake in astrocytes. <i>Molecular Metabolism</i> , 2018, 9, 141-155.	3.0	119
12	Chronic cocaine-mediated changes in non-human primate nucleus accumbens gene expression. <i>Journal of Neurochemistry</i> , 2001, 77, 542-549.	2.1	115
13	Concurrent hippocampal induction of MHC II pathway components and glial activation with advanced aging is not correlated with cognitive impairment. <i>Journal of Neuroinflammation</i> , 2011, 8, 138.	3.1	111
14	Persistent Alterations in Mesolimbic Gene Expression with Abstinence from Cocaine Self-Administration. <i>Neuropsychopharmacology</i> , 2008, 33, 1807-1817.	2.8	110
15	Aging alters the expression of neurotransmission-regulating proteins in the hippocampal synaptoproteome. <i>Journal of Neurochemistry</i> , 2010, 113, 1577-1588.	2.1	109
16	Proteomics for Protein Expression Profiling in Neuroscience. <i>Neurochemical Research</i> , 2004, 29, 1065-1081.	1.6	103
17	Whole genome assessment of the retinal response to diabetes reveals a progressive neurovascular inflammatory response. <i>BMC Medical Genomics</i> , 2008, 1, 26.	0.7	98
18	Insulin-like growth factor-1 in CNS and cerebrovascular aging. <i>Frontiers in Aging Neuroscience</i> , 2013, 5, 27.	1.7	98

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19	Diabetes downregulates presynaptic proteins and reduces basal synapsin I phosphorylation in rat retina. <i>European Journal of Neuroscience</i> , 2008, 28, 1-11.	1.2	87
20	Manganese-Induced Cytotoxicity in Dopamine-Producing Cells. <i>NeuroToxicology</i> , 2004, 25, 543-553.	1.4	83
21	The Retinal Proteome in Experimental Diabetic Retinopathy. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 767-779.	2.5	79
22	Alterations in ionotropic glutamate receptor subunits during binge cocaine self-administration and withdrawal in rats. <i>Journal of Neurochemistry</i> , 2004, 89, 1021-1033.	2.1	77
23	Targeted DNA Methylation Analysis by Next-generation Sequencing. <i>Journal of Visualized Experiments</i> , 2015, , .	0.2	72
24	Revisiting the genomic hypomethylation hypothesis of aging. <i>Annals of the New York Academy of Sciences</i> , 2018, 1418, 69-79.	1.8	72
25	Obesity in Aging Exacerbates Neuroinflammation, Dysregulating Synaptic Function-Related Genes and Altering Eicosanoid Synthesis in the Mouse Hippocampus: Potential Role in Impaired Synaptic Plasticity and Cognitive Decline. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 290-298.	1.7	72
26	Effects of Ischemic Preconditioning and Bevacizumab on Apoptosis and Vascular Permeability Following Retinal Ischemiaâ€“Reperfusion Injury. , 2010, 51, 5920.		70
27	Sexually divergent <sc>DNA</sc> methylation patterns with hippocampal aging. <i>Aging Cell</i> , 2017, 16, 1342-1352.	3.0	67
28	The Hippocampal Neuroproteome with Aging and Cognitive Decline: Past Progress and Future Directions. <i>Frontiers in Aging Neuroscience</i> , 2011, 3, 8.	1.7	57
29	Circulating IGF1 regulates hippocampal IGF1 levels and brain gene expression during adolescence. <i>Journal of Endocrinology</i> , 2011, 211, 27-37.	1.2	55
30	Neuroglial Expression of the MHC1 Pathway and PirB Receptor Is Upregulated in the Hippocampus with Advanced Aging. <i>Journal of Molecular Neuroscience</i> , 2012, 48, 111-126.	1.1	53
31	Differential Gene Expression in Tamoxifen-Resistant Breast Cancer Cells Revealed by a New Analytical Model of RNA-Seq Data. <i>PLoS ONE</i> , 2012, 7, e41333.	1.1	53
32	Changes in rat frontal cortex gene expression following chronic cocaine. <i>Molecular Brain Research</i> , 2002, 104, 11-20.	2.5	52
33	Gene expression changes in the medial prefrontal cortex and nucleus accumbens following abstinence from cocaine self-administration. <i>BMC Neuroscience</i> , 2010, 11, 29.	0.8	52
34	CNS-wide Sexually Dimorphic Induction of the Major Histocompatibility Complex 1 Pathway With Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, 16-29.	1.7	52
35	Mitochondrial oxidative stress impairs contractile function but paradoxically increases muscle mass via fibre branching. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019, 10, 411-428.	2.9	50
36	Nanoliposomal minocycline for ocular drug delivery. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 130-140.	1.7	49

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37	Heroin self-administration: II. CNS gene expression following withdrawal and cue-induced drug-seeking behavior. <i>Pharmacology Biochemistry and Behavior</i> , 2008, 90, 349-356.	1.3	48
38	Use of Microarray Technologies in Toxicology Research. <i>NeuroToxicology</i> , 2003, 24, 321-332.	1.4	47
39	Transcriptome analysis of frontal cortex in alcohol-preferring and nonpreferring rats. <i>Journal of Neuroscience Research</i> , 2005, 80, 529-538.	1.3	46
40	Gene expression changes following extinction testing in a heroin behavioral incubation model. <i>BMC Neuroscience</i> , 2009, 10, 95.	0.8	45
41	Hippocampal expression of myelin-associated inhibitors is induced with age-related cognitive decline and correlates with deficits of spatial learning and memory. <i>Journal of Neurochemistry</i> , 2012, 121, 77-98.	2.1	45
42	Absence of genomic hypomethylation or regulation of cytosine-modifying enzymes with aging in male and female mice. <i>Epigenetics and Chromatin</i> , 2016, 9, 30.	1.8	45
43	Caloric restriction mitigates age-associated hippocampal differential CG and non-CG methylation. <i>Neurobiology of Aging</i> , 2018, 67, 53-66.	1.5	45
44	Multi-Modal Proteomic Analysis of Retinal Protein Expression Alterations in a Rat Model of Diabetic Retinopathy. <i>PLoS ONE</i> , 2011, 6, e16271.	1.1	44
45	Induction of GADD45 and GADD153 in Neuroblastoma Cells by Dopamine-Induced Toxicity. <i>NeuroToxicology</i> , 2002, 23, 675-684.	1.4	43
46	Hippocampal Subregions Exhibit Both Distinct and Shared Transcriptomic Responses to Aging and Nonneurodegenerative Cognitive Decline. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014, 69, 1311-1324.	1.7	43
47	Recent Developments in Understanding Brain Aging: Implications for Alzheimer's Disease and Vascular Cognitive Impairment. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 13-20.	1.7	42
48	Age-related changes in the expression and oxidation of bronchoalveolar lavage proteins in the rat. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2009, 296, L14-L29.	1.3	40
49	Analysis of DNA modifications in aging research. <i>GeroScience</i> , 2018, 40, 11-29.	2.1	39
50	Transcriptomic comparison of the retina in two mouse models of diabetes. <i>Journal of Ocular Biology, Diseases, and Informatics</i> , 2009, 2, 202-213.	0.2	35
51	Clinical application for the preservation of phospho-proteins through in-situ tissue stabilization. <i>Proteome Science</i> , 2010, 8, 61.	0.7	35
52	Many chronological aging clocks can be found throughout the epigenome: Implications for quantifying biological aging. <i>Aging Cell</i> , 2021, 20, e13492.	3.0	35
53	Exposure to environmental enrichment attenuates addiction-like behavior and alters molecular effects of heroin self-administration in rats. <i>Neuropharmacology</i> , 2018, 139, 26-40.	2.0	34
54	17 β -estradiol acts through hypothalamic pro-opiomelanocortin expressing neurons to reduce feeding behavior. <i>Aging Cell</i> , 2018, 17, e12703.	3.0	33

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55	Repeated cocaine self-administration causes multiple changes in rat frontal cortex gene expression. <i>Neurochemical Research</i> , 2002, 27, 1181-1192.	1.6	32
56	The impact of surfactant protein-A on ozone-induced changes in the mouse bronchoalveolar lavage proteome. <i>Proteome Science</i> , 2009, 7, 12.	0.7	32
57	TPH2 in the ventral tegmental area of the male rat brain. <i>Brain Research Bulletin</i> , 2011, 84, 376-380.	1.4	32
58	Future Prospects for Biomarkers of Alcohol Consumption and Alcohol-Induced Disorders. <i>Alcoholism: Clinical and Experimental Research</i> , 2010, 34, 946-954.	1.4	31
59	Cigarette Smoke Activates NOTCH3 to Promote Goblet Cell Differentiation in Human Airway Epithelial Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2021, 64, 426-440.	1.4	31
60	Protein biomarkers of alcohol abuse. <i>Expert Review of Proteomics</i> , 2012, 9, 425-436.	1.3	30
61	Assessment of individual differences in the rat nucleus accumbens transcriptome following taste-heroin extended access. <i>Brain Research Bulletin</i> , 2016, 123, 71-80.	1.4	30
62	Cellular hallmarks of aging emerge in the ovary prior to primordial follicle depletion. <i>Mechanisms of Ageing and Development</i> , 2021, 194, 111425.	2.2	30
63	Health benefits attributed to 17 β -estradiol, a lifespan-extending compound, are mediated through estrogen receptor α . <i>ELife</i> , 2020, 9, .	2.8	30
64	A Longitudinal Analysis of Circulating Stress-Related Proteins and Chronic Ethanol Self-Administration in Cynomolgus Macaques. <i>Alcoholism: Clinical and Experimental Research</i> , 2012, 36, 995-1003.	1.4	29
65	Integrative transcriptomic and proteomic analysis of osteocytic cells exposed to fluid flow reveals novel mechano-sensitive signaling pathways. <i>Journal of Biomechanics</i> , 2014, 47, 1838-1845.	0.9	29
66	Plasma Biomarkers in Pediatric Patients Undergoing Cardiopulmonary Bypass. <i>Pediatric Research</i> , 2008, 63, 638-644.	1.1	28
67	Short-term Calorie Restriction and 17 β -Estradiol Administration Elicit Divergent Effects on Proteostatic Processes and Protein Content in Metabolically Active Tissues. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 849-857.	1.7	28
68	Age-related alterations in retinal neurovascular and inflammatory transcripts. <i>Molecular Vision</i> , 2011, 17, 1261-74.	1.1	28
69	Correlating Human and Animal Studies of Cocaine Abuse and Gene Expression. <i>Annals of the New York Academy of Sciences</i> , 2008, 1141, 58-75.	1.8	27
70	Inducible cell-specific mouse models for paired epigenetic and transcriptomic studies of microglia and astroglia. <i>Communications Biology</i> , 2020, 3, 693.	2.0	27
71	Minimizing the <i>Ex Vivo</i> Confounds of Cell-Isolation Techniques on Transcriptomic and Translatomic Profiles of Purified Microglia. <i>ENeuro</i> , 2022, 9, ENEURO.0348-21.2022.	0.9	27
72	Differences in the BAL proteome after <i>Klebsiella pneumoniae</i> infection in wild type and SP-A $^{-/-}$ mice. <i>Proteome Science</i> , 2010, 8, 34.	0.7	25

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73	FOXO3a elicits a pro-apoptotic transcription program and cellular response to human lung carcinogen nicotine-derived nitrosaminoketone (NNK). <i>Lung Cancer</i> , 2010, 67, 37-47.	0.9	25
74	Loss of the antioxidant enzyme CuZnSOD (Sod1) mimics an age-related increase in absolute mitochondrial DNA copy number in the skeletal muscle. <i>Age</i> , 2016, 38, 323-333.	3.0	24
75	Functional changes in the neural retina occur in the absence of mitochondrial dysfunction in a rodent model of diabetic retinopathy. <i>Journal of Neurochemistry</i> , 2017, 143, 595-608.	2.1	24
76	Targeting cPLA2 derived lipid hydroperoxides as a potential intervention for sarcopenia. <i>Scientific Reports</i> , 2020, 10, 13968.	1.6	24
77	Chronic insulin treatment of diabetes does not fully normalize alterations in the retinal transcriptome. <i>BMC Medical Genomics</i> , 2011, 4, 40.	0.7	23
78	Increased hippocampal NgR1 signaling machinery in aged rats with deficits of spatial cognition. <i>European Journal of Neuroscience</i> , 2013, 37, 1643-1658.	1.2	23
79	Role of DNA methylation in the dietary restriction mediated cellular memory. <i>GeroScience</i> , 2017, 39, 331-345.	2.1	23
80	Dual-Platform Proteomics Study of Plasma Biomarkers in Pediatric Patients Undergoing Cardiopulmonary Bypass. <i>Pediatric Research</i> , 2010, 67, 641-649.	1.1	22
81	Classification of Alcohol Abuse by Plasma Protein Biomarkers. <i>Biological Psychiatry</i> , 2010, 68, 219-222.	0.7	22
82	Quantification of Hepatic UDP Glucuronosyltransferase 1A Splice Variant Expression and Correlation of UDP Glucuronosyltransferase 1A1 Variant Expression with Glucuronidation Activity. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 342, 720-729.	1.3	22
83	Early-life DNA methylation profiles are indicative of age-related transcriptome changes. <i>Epigenetics and Chromatin</i> , 2019, 12, 58.	1.8	22
84	Canonical Wnt Signaling Promotes Neovascularization Through Determination of Endothelial Progenitor Cell Fate via Metabolic Profile Regulation. <i>Stem Cells</i> , 2019, 37, 1331-1343.	1.4	22
85	Molecular changes in transcription and metabolic pathways underlying muscle atrophy in the CuZnSOD null mouse model of sarcopenia. <i>GeroScience</i> , 2020, 42, 1101-1118.	2.1	22
86	Retinal gene expression responses to aging are sexually divergent. <i>Molecular Vision</i> , 2017, 23, 707-717.	1.1	22
87	Scavenging mitochondrial hydrogen peroxide by peroxiredoxin 3 overexpression attenuates contractile dysfunction and muscle atrophy in a murine model of accelerated sarcopenia. <i>Aging Cell</i> , 2022, 21, e13569.	3.0	22
88	Persistent proteomic alterations in the medial prefrontal cortex with abstinence from cocaine self-administration. <i>Proteomics - Clinical Applications</i> , 2009, 3, 462-472.	0.8	21
89	Tamoxifen induction of Cre recombinase does not cause long-lasting or sexually divergent responses in the CNS epigenome or transcriptome: implications for the design of aging studies. <i>GeroScience</i> , 2019, 41, 691-708.	2.1	20
90	Depletion of abundant proteins from non-human primate serum for biomarker studies. <i>Proteomics</i> , 2006, 6, 3109-3113.	1.3	19

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91	Detrimental effects of duplicate reads and low complexity regions on RNA- and ChIP-seq data. BMC Bioinformatics, 2015, 16, S10.	1.2	19
92	Expression of NgR1-Antagonizing Proteins Decreases with Aging and Cognitive Decline in Rat Hippocampus. Cellular and Molecular Neurobiology, 2013, 33, 483-488.	1.7	18
93	APO-AII IS AN ELEVATED BIOMARKER OF CHRONIC NON-HUMAN PRIMATE ETHANOL SELF-ADMINISTRATION. Alcohol and Alcoholism, 2006, 41, 300-305.	0.9	17
94	Human Embryonic and Mesenchymal Stem Cells Express Different Nuclear Proteomes. Stem Cells and Development, 2009, 18, 793-802.	1.1	17
95	The use of neuroproteomics in drug abuse research. Drug and Alcohol Dependence, 2010, 107, 11-22.	1.6	17
96	Gene expression profiles in HPV-immortalized human cervical cells treated with the nicotine-derived carcinogen 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone. Chemico-Biological Interactions, 2009, 177, 173-180.	1.7	16
97	A potential common role of the Jumonji C domain-containing 1A histone demethylase and chromatin remodeler ATRX in promoting colon cancer. Oncology Letters, 2018, 16, 6652-6662.	0.8	16
98	Age-related focal loss of contractile vascular smooth muscle cells in retinal arterioles is accelerated by caveolin-1 deficiency. Neurobiology of Aging, 2018, 71, 1-12.	1.5	16
99	Reward devaluation and heroin escalation is associated with differential expression of CRF signaling genes. Brain Research Bulletin, 2016, 123, 81-93.	1.4	15
100	Female mice are resilient to age-related decline of substantia nigra dopamine neuron firing parameters. Neurobiology of Aging, 2020, 95, 195-204.	1.5	15
101	Plasma proteomics: a noninvasive window on pathology and pediatric cardiac surgery. ASAIO Journal, 2006, 52, 562-6.	0.9	15
102	Plasma proteomic alterations in non-human primates and humans after chronic alcohol self-administration. International Journal of Neuropsychopharmacology, 2011, 14, 899-911.	1.0	14
103	The Kinetics of Cardiopulmonary Bypass: A Dual-Platform Proteomics Study of Plasma Biomarkers in Pediatric Patients Undergoing Cardiopulmonary Bypass. Artificial Organs, 2012, 36, E1-20.	1.0	14
104	Insulin treatment normalizes retinal neuroinflammation but not markers of synapse loss in diabetic rats. Experimental Eye Research, 2014, 125, 95-106.	1.2	14
105	Bisulfite oligonucleotide-capture sequencing for targeted base- and strand-specific absolute 5-methylcytosine quantitation. Age, 2016, 38, 49.	3.0	14
106	PCR-based apolipoprotein E genotype analysis from archival fixed brain. Journal of Neuroscience Methods, 1998, 80, 209-214.	1.3	13
107	Individual Differences in Hyperlipidemia and Vitamin E Status in Response to Chronic Alcohol Self-Administration in Cynomolgus Monkeys. Alcoholism: Clinical and Experimental Research, 2011, 35, 474-483.	1.4	12
108	Heart and neural crest derivative α -induced preservation of sympathetic neurons attenuates sarcopenia with aging. Journal of Cachexia, Sarcopenia and Muscle, 2021, 12, 91-108.	2.9	12

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109	Long-term, induced expression of Hand2 in peripheral sympathetic neurons ameliorates sarcopenia in geriatric mice. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 1908-1924.	2.9	11
110	Differential Regulation of Mouse Hippocampal Gene Expression Sex Differences by Chromosomal Content and Gonadal Sex. <i>Molecular Neurobiology</i> , 2022, 59, 4669-4702.	1.9	11
111	Effect of cold perfusion and perfluorocarbons on liver graft ischemia in a donation after cardiac death model. <i>Journal of Surgical Research</i> , 2014, 188, 517-526.	0.8	10
112	An Interactive Database of Cocaine-Responsive Gene Expression. <i>Scientific World Journal</i> , The, 2002, 2, 701-706.	0.8	9
113	2D DIGE identification of differentially expressed heterogeneous nuclear ribonucleoproteins and transcription factors during neural differentiation of human embryonic stem cells. <i>Proteomics - Clinical Applications</i> , 2009, 3, 505-514.	0.8	9
114	Expression of the purine biosynthetic enzyme phosphoribosyl formylglycinamide synthase in neurons. <i>Journal of Neurochemistry</i> , 2018, 144, 723-735.	2.1	9
115	Weight Loss Results in Increased Expression of Anti-inflammatory Protein CRISPLD2 in Mouse Adipose Tissue. <i>Obesity</i> , 2019, 27, 2025-2036.	1.5	7
116	Litter expansion alters metabolic homeostasis in a sex specific manner. <i>PLoS ONE</i> , 2021, 16, e0237199.	1.1	6
117	Repeated cocaine or methamphetamine treatment alters astrocytic CRF2 and GLAST expression in the ventral midbrain. <i>Addiction Biology</i> , 2022, 27, e13120.	1.4	5
118	Penn State Hershey Center for Pediatric Cardiovascular Research. <i>Artificial Organs</i> , 2009, 33, 883-887.	1.0	4
119	Isolation of Neuronal Synaptic Membranes by Sucrose Gradient Centrifugation. <i>Methods in Molecular Biology</i> , 2017, 1609, 33-41.	0.4	4
120	A cocaine analog, 2 ^β -propanoyl-3 ^β -(4-tolyl)-tropane (PTT), reduces tyrosine hydroxylase in the mesolimbic dopamine pathway. <i>Drug and Alcohol Dependence</i> , 2000, 61, 15-21.	1.6	3
121	Functional Genomic Analysis in Pain Research Using Hybridization Arrays. , 2004, 99, 239-253.		3
122	Exercising your mind. <i>Science</i> , 2020, 369, 144-145.	6.0	3
123	Pediatric cardiopulmonary bypass circuits: a review of studies conducted at the Penn State Pediatric Cardiac Research Laboratories. <i>Journal of Extra-Corporeal Technology</i> , 2009, 41, P50-8.	0.2	3
124	Chronic cocaine-mediated changes in non-human primate nucleus accumbens gene expression. <i>Journal of Neurochemistry</i> , 2001, 77, 1423-1423.	2.1	2
125	Oklahoma Nathan Shock Aging Center " assessing the basic biology of aging from genetics to protein and function. <i>GeroScience</i> , 2021, 43, 2183-2203.	2.1	2
126	A Comparative Proteomic Analysis of Bronchoalveolar Lavage Fluid in Rats with Aging using 2D DIGE and MALDI-TOF/ToF. <i>FASEB Journal</i> , 2007, 21, A1401.	0.2	2

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127	CNS Genes Implicated in Relapse. Substance Abuse: Research and Treatment, 2008, 2, SART.S1042.	0.5	1
128	Quantitative Proteomic Profiles of BALF in Wild Type and SP α KO Mice after Exposure to Ozone. FASEB Journal, 2007, 21, A9.	0.2	1
129	Systematic Screening of Gene Expression Using a cDNA Macroarray. , 2003, 79, 243-260.		0
130	Heterochronic Plasma Transfer Alters Proteostatic Maintenance in Skeletal Muscle. FASEB Journal, 2021, 35, .	0.2	0
131	Proteomic Analysis of Changes Mediating Tolerance to Dopamine D1 Agonists: Implications for Parkinson's Disease (PD). FASEB Journal, 2011, 25, 1005.1.	0.2	0