Stuart Maudsley

List of Publications by Year
in descending order

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180 papers	15,069 citations	20817 60 h-index	19749 117 g-index
185 all docs	185 docs citations	185 times ranked	17726 citing authors

#	Article	IF	Citations
1	Î²-Arrestin-Dependent Formation of Î² ₂ Adrenergic Receptor-Src Protein Kinase Complexes. Science, 1999, 283, 655-661.	12.6	1,375
2	BDNF and 5-HT: a dynamic duo in age-related neuronal plasticity and neurodegenerative disorders. Trends in Neurosciences, 2004, 27, 589-594.	8.6	795
3	The effects of intermittent or continuous energy restriction on weight loss and metabolic disease risk markers: a randomized trial in young overweight women. International Journal of Obesity, 2011, 35, 714-727.	3.4	573
4	Alternate day calorie restriction improves clinical findings and reduces markers of oxidative stress and inflammation in overweight adults with moderate asthma. Free Radical Biology and Medicine, 2007, 42, 665-674.	2.9	513
5	The Î²2-Adrenergic Receptor Mediates Extracellular Signal-regulated Kinase Activation via Assembly of a Multi-receptor Complex with the Epidermal Growth Factor Receptor. Journal of Biological Chemistry, 2000, 275, 9572-9580.	3.4	386
6	Caloric restriction and intermittent fasting: Two potential diets for successful brain aging. Ageing Research Reviews, 2006, 5, 332-353.	10.9	340
7	The effect of intermittent energy and carbohydrate restrictionv. daily energy restriction on weight loss and metabolic disease risk markers in overweight women. British Journal of Nutrition, 2013, 110, 1534-1547.	2.3	336
8	â€œControlâ€•laboratory rodents are metabolically morbid: Why it matters. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6127-6133.	7.1	317
9	Neuroprotective role of Sirt1 in mammalian models of Huntington's disease through activation of multiple Sirt1 targets. Nature Medicine, 2012, 18, 153-158.	30.7	300
10	A novel mammalian receptor for the evolutionarily conserved type II GnRH. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 9636-9641.	7.1	292
11	Voluntary exercise and caloric restriction enhance hippocampal dendritic spine density and BDNF levels in diabetic mice. Hippocampus, 2009, 19, 951-961.	1.9	292
12	Metabolic Dysfunction in Alzheimers Disease and Related Neurodegenerative Disorders. Current Alzheimer Research, 2012, 9, 5-17.	1.4	261
13	Src-mediated Tyrosine Phosphorylation of Dynamin Is Required for Î²2-Adrenergic Receptor Internalization and Mitogen-activated Protein Kinase Signaling. Journal of Biological Chemistry, 1999, 274, 1185-1188.	3.4	243
14	A neural signaling triumvirate that influences ageing and age-related disease: insulin/IGF-1, BDNF and serotonin. Ageing Research Reviews, 2004, 3, 445-464.	10.9	242
15	Pleiotropic Coupling of G Protein-coupled Receptors to the Mitogen-activated Protein Kinase Cascade. Journal of Biological Chemistry, 1999, 274, 13978-13984.	3.4	240
16	Modulation of taste sensitivity by GLPâ€1 signaling. Journal of Neurochemistry, 2008, 106, 455-463.	3.9	240
17	Transactivation of the EGF Receptor Mediates IGF-1-stimulated Shc Phosphorylation and ERK1/2 Activation in COS-7 Cells. Journal of Biological Chemistry, 2000, 275, 22583-22589.	3.4	229
18	Role of endocytosis in the activation of the extracellular signal-regulated kinase cascade by sequestering and nonsequestering G protein-coupled receptors. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 1489-1494.	7.1	212

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19	Platelet-Derived Growth Factor Receptor Association with Na + /H + Exchanger Regulatory Factor Potentiates Receptor Activity. Molecular and Cellular Biology, 2000, 20, 8352-8363.	2.3	201
20	Impact of reduced meal frequency without caloric restriction on glucose regulation in healthy, normal-weight middle-aged men and women. Metabolism: Clinical and Experimental, 2007, 56, 1729-1734.	3.4	191
21	Resveratrol Prevents High Fat/Sucrose Diet-Induced Central Arterial Wall Inflammation and Stiffening in Nonhuman Primates. Cell Metabolism, 2014, 20, 183-190.	16.2	186
22	The Origins of Diversity and Specificity in G Protein-Coupled Receptor Signaling. Journal of Pharmacology and Experimental Therapeutics, 2005, 314, 485-494.	2.5	182
23	Î²-Arrestin1 Interacts with the Catalytic Domain of the Tyrosine Kinase c-SRC. Journal of Biological Chemistry, 2000, 275, 11312-11319.	3.4	180
24	Circulating Brain-Derived Neurotrophic Factor and Indices of Metabolic and Cardiovascular Health: Data from the Baltimore Longitudinal Study of Aging. PLoS ONE, 2010, 5, e10099.	2.5	180
25	Fulfilling the Promise of "Biased" G Proteinâ€“Coupled Receptor Agonism. Molecular Pharmacology, 2015, 88, 579-588.	2.3	178
26	Sex-Dependent Metabolic, Neuroendocrine, and Cognitive Responses to Dietary Energy Restriction and Excess. Endocrinology, 2007, 148, 4318-4333.	2.8	167
27	Exendin-4 Improves Glycemic Control, Ameliorates Brain and Pancreatic Pathologies, and Extends Survival in a Mouse Model of Huntington's Disease. Diabetes, 2009, 58, 318-328.	0.6	160
28	Prophylactic treatment with paroxetine ameliorates behavioral deficits and retards the development of amyloid and tau pathologies in 3xTgAD mice. Experimental Neurology, 2007, 205, 166-176.	4.1	159
29	Gonadotropin-Releasing Hormone (GnRH) Antagonists Promote Proapoptotic Signaling in Peripheral Reproductive Tumor Cells by Activating a Gî±i-Coupling State of the Type I GnRH Receptor. Cancer Research, 2004, 64, 7533-7544.	0.9	153
30	Poor cognitive ageing: Vulnerabilities, mechanisms and the impact of nutritional interventions. Ageing Research Reviews, 2018, 42, 40-55.	10.9	136
31	Hippocampal gene expression patterns underlying the enhancement of memory by running in aged mice. Neurobiology of Aging, 2010, 31, 1937-1949.	3.1	135
32	Adiposity induces lethal cytokine storm after systemic administration of stimulatory immunotherapy regimens in aged mice. Journal of Experimental Medicine, 2014, 211, 2373-2383.	8.5	124
33	Indoxyl Sulfate and p-Cresyl Sulfate Promote Vascular Calcification and Associate with Glucose Intolerance. Journal of the American Society of Nephrology: JASN, 2019, 30, 751-766.	6.1	122
34	Cannabinoids Inhibit Insulin Receptor Signaling in Pancreatic Î²-Cells. Diabetes, 2011, 60, 1198-1209.	0.6	112
35	iTRAQ Analysis of Complex Proteome Alterations in 3xTgAD Alzheimer's Mice: Understanding the Interface between Physiology and Disease. PLoS ONE, 2008, 3, e2750.	2.5	110
36	Modulation of Taste Sensitivity by GLPâ€1 Signaling in Taste Buds. Annals of the New York Academy of Sciences, 2009, 1170, 98-101.	3.8	100

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37	VennPlexâ€“A Novel Venn Diagram Program for Comparing and Visualizing Datasets with Differentially Regulated Datapoints. PLoS ONE, 2013, 8, e53388.	2.5	97
38	Vasoactive Intestinal Peptideâ€“Null Mice Demonstrate Enhanced Sweet Taste Preference, Dysglycemia, and Reduced Taste Bud Leptin Receptor Expression. Diabetes, 2010, 59, 1143-1152.	0.6	96
39	Recessive mutations inSLC13A5result in a loss of citrate transport and cause neonatal epilepsy, developmental delay and teeth hypoplasia. Brain, 2015, 138, 3238-3250.	7.6	96
40	Ghrelin Is Produced in Taste Cells and Ghrelin Receptor Null Mice Show Reduced Taste Responsivity to Salty (NaCl) and Sour (Citric Acid) Tastants. PLoS ONE, 2010, 5, e12729.	2.5	93
41	Allosteric Modulators of G Protein-Coupled Receptors: Future Therapeutics for Complex Physiological Disorders. Journal of Pharmacology and Experimental Therapeutics, 2009, 331, 340-348.	2.5	88
42	Plasma BDNF Is Associated with Age-Related White Matter Atrophy but Not with Cognitive Function in Older, Non-Demented Adults. PLoS ONE, 2012, 7, e35217.	2.5	88
43	Amitriptyline-Mediated Cognitive Enhancement in Aged 3Ã—Tg Alzheimer's Disease Mice Is Associated with Neurogenesis and Neurotrophic Activity. PLoS ONE, 2011, 6, e21660.	2.5	82
44	Class II G Protein-Coupled Receptors and Their Ligands in Neuronal Function and Protection. NeuroMolecular Medicine, 2005, 7, 003-036.	3.4	80
45	Pasteurella multocida Toxin Stimulates Mitogen-activated Protein Kinase via Gq/11-dependent Transactivation of the Epidermal Growth Factor Receptor. Journal of Biological Chemistry, 2000, 275, 2239-2245.	3.4	79
46	Pharmacomimetics of Exercise: Novel Approaches for Hippocampally- Targeted Neuroprotective Agents. Current Medicinal Chemistry, 2009, 16, 4668-4678.	2.4	78
47	Caloric restriction: Impact upon pituitary function and reproduction. Ageing Research Reviews, 2008, 7, 209-224.	10.9	77
48	Regulation of Caenorhabditis elegans vitellogenesis by DAF-2/IIS through separable transcriptional and posttranscriptional mechanisms. BMC Physiology, 2011, 11, 11.	3.6	75
49	Î²-Arrestin Based Receptor Signaling Paradigms: Potential Therapeutic Targets for Complex Age-Related Disorders. Frontiers in Pharmacology, 2018, 9, 1369.	3.5	75
50	Elevated Prostaglandin EP2 Receptor in Endometrial Adenocarcinoma Cells Promotes Vascular Endothelial Growth Factor Expression via Cyclic 3â€²,5â€²-Adenosine Monophosphate-Mediated Transactivation of the Epidermal Growth Factor Receptor and Extracellular Signal-Regulated Kinase 1/2 Signaling Pathways. Molecular Endocrinology, 2004, 18, 1533-1545.	3.7	74
51	Cytoskeletal Reorganization Dependence of Signaling by the Gonadotropin-releasing Hormone Receptor. Journal of Biological Chemistry, 2004, 279, 1980-1993.	3.4	73
52	Targeting TNF-Î± receptors for neurotherapeutics. Trends in Neurosciences, 2008, 31, 504-511.	8.6	72
53	VENNTUREâ€“A Novel Venn Diagram Investigational Tool for Multiple Pharmacological Dataset Analysis. PLoS ONE, 2012, 7, e36911.	2.5	71
54	Hippocampal Transcriptomic and Proteomic Alterations in the BTBR Mouse Model of Autism Spectrum Disorder. Frontiers in Physiology, 2015, 6, 324.	2.8	70

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55	Metabolic and hormonal signatures in pre-manifest and manifest Huntington's disease patients. Frontiers in Physiology, 2014, 5, 231.	2.8	69
56	The effects of the ketogenic diet on behavior and cognition. Epilepsy Research, 2012, 100, 304-309.	1.6	68
57	Transferrin Fusion Technology: A Novel Approach to Prolonging Biological Half-Life of Insulinotropic Peptides. Journal of Pharmacology and Experimental Therapeutics, 2010, 334, 682-692.	2.5	65
58	Anti-Inflammatory Effects of Physical Activity in Relationship to Improved Cognitive Status in Humans and Mouse Models of Alzheimers Disease. Current Alzheimer Research, 2012, 9, 86-92.	1.4	65
59	Big data to smart data in Alzheimer's disease: The brain health modeling initiative to foster actionable knowledge. Alzheimer's and Dementia, 2016, 12, 1014-1021.	0.8	65
60	Human Obesity Associated with an Intronic SNP in the Brain-Derived Neurotrophic Factor Locus. Cell Reports, 2015, 13, 1073-1080.	6.4	64
61	Ubiquitination is involved in glucose-mediated downregulation of GIP receptors in islets. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E538-E547.	3.5	63
62	Complex and Multidimensional Lipid Raft Alterations in a Murine Model of Alzheimer's Disease. International Journal of Alzheimer's Disease, 2010, 2010, 1-56.	2.0	63
63	Inhibitory actions of the NRG-1/ErbB4 pathway in macrophages during tissue fibrosis in the heart, skin, and lung. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H934-H945.	3.2	63
64	Î²-Arrestin-Selective G Protein-Coupled Receptor Agonists Engender Unique Biological Efficacy in Vivo. Molecular Endocrinology, 2013, 27, 296-314.	3.7	62
65	Minimal Peroxide Exposure of Neuronal Cells Induces Multifaceted Adaptive Responses. PLoS ONE, 2010, 5, e14352.	2.5	61
66	Mammalian Type I Gonadotropin-Releasing Hormone Receptors Undergo Slow, Constitutive, Agonist-Independent Internalization. Endocrinology, 2008, 149, 1415-1422.	2.8	59
67	Growth Inhibition by miR-519 via Multiple p21-Inducing Pathways. Molecular and Cellular Biology, 2012, 32, 2530-2548.	2.3	59
68	Hormones in the naso-oropharynx: endocrine modulation of taste and smell. Trends in Endocrinology and Metabolism, 2009, 20, 163-170.	7.1	57
69	Gonadotropin-Releasing Hormone Receptor System: Modulatory Role in Aging and Neurodegeneration. CNS and Neurological Disorders - Drug Targets, 2010, 9, 651-660.	1.4	57
70	Age-Related Changes in Mouse Taste Bud Morphology, Hormone Expression, and Taste Responsivity. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2012, 67A, 336-344.	3.6	55
71	Effective correction of experimental errors in quantitative proteomics using stable isotope labeling by amino acids in cell culture (SILAC). Journal of Proteomics, 2012, 75, 3720-3732.	2.4	55
72	Alternative Splicing of Neuronal Differentiation Factor TRF2 Regulated by HNRNPH1/H2. Cell Reports, 2016, 15, 926-934.	6.4	55

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73	Metal ions shape Î±-synuclein. Scientific Reports, 2020, 10, 16293.	3.3	55
74	Plasma BDNF concentration, Val66Met genetic variant and depressionâ€related personality traits. Genes, Brain and Behavior, 2010, 9, 512-518.	2.2	54
75	G Protein-Coupled Receptor Signaling Complexity in Neuronal Tissue:Implications for Novel Therapeutics. Current Alzheimer Research, 2007, 4, 3-19.	1.4	53
76	Altered Lipid and Salt Taste Responsivity in Ghrelin and GOAT Null Mice. PLoS ONE, 2013, 8, e76553.	2.5	53
77	Central Role of the EGF Receptor in Neurometabolic Aging. International Journal of Endocrinology, 2012, 2012, 1-14.	1.5	50
78	Long-Term Artificial Sweetener Acesulfame Potassium Treatment Alters Neurometabolic Functions in C57BL/6J Mice. PLoS ONE, 2013, 8, e70257.	2.5	50
79	Sclerostin as Regulatory Molecule in Vascular Media Calcification and the Boneâ€“Vascular Axis. Toxins, 2019, 11, 428.	3.4	50
80	Gonadotropin-releasing Hormone-induced Activation of Diacylglycerol Kinase-Î¶ and Its Association with Active c-Src. Journal of Biological Chemistry, 2004, 279, 11906-11916.	3.4	48
81	Nuclear Stabilization of Î²-Catenin and Inactivation of Glycogen Synthase Kinase-3Î² by Gonadotropin-Releasing Hormone: Targeting Wnt Signaling in the Pituitary Gonadotrope. Molecular Endocrinology, 2007, 21, 3028-3038.	3.7	48
82	Conserved polar residues in the transmembrane domain of the human tachykinin NK2 receptor: functional roles and structural implications. Biochemical Journal, 1999, 339, 55-61.	3.7	47
83	Conserved and Differential Effects of Dietary Energy Intake on the Hippocampal Transcriptomes of Females and Males. PLoS ONE, 2008, 3, e2398.	2.5	46
84	Therapeutic Potential of Vasoactive Intestinal Peptide and its Receptors in Neurological Disorders. CNS and Neurological Disorders - Drug Targets, 2010, 9, 661-666.	1.4	46
85	Therapeutic perspectives for the treatment of Huntington's disease: treating the whole body. Histology and Histopathology, 2008, 23, 237-50.	0.7	46
86	The effects of aging on the BTBR mouse model of autism spectrum disorder. Frontiers in Aging Neuroscience, 2014, 6, 225.	3.4	45
87	Ghrelin Receptor Signaling: A Promising Therapeutic Target for Metabolic Syndrome and Cognitive Dysfunction. CNS and Neurological Disorders - Drug Targets, 2010, 9, 557-563.	1.4	45
88	Growth Factor Signals in Neural Cells. Journal of Biological Chemistry, 2009, 284, 2493-2511.	3.4	44
89	Functional Signaling Biases in G Protein-Coupled Receptors: Game Theory and Receptor Dynamics. Mini-Reviews in Medicinal Chemistry, 2012, 12, 831-840.	2.4	43
90	Translating in vitro ligand bias into in vivo efficacy. Cellular Signalling, 2018, 41, 46-55.	3.6	43

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91	Inhibition of Human Type I Gonadotropin-Releasing Hormone Receptor (GnRHR) Function by Expression of a Human Type II GnRHR Gene Fragment. Endocrinology, 2005, 146, 2639-2649.	2.8	40
92	Stromal factors SDF1Î±, sFRP1, and VEGFD induce dopaminergic neuron differentiation of human pluripotent stem cells. Journal of Neuroscience Research, 2012, 90, 1367-1381.	2.9	40
93	Delineation of a Conserved Arrestin-Biased Signaling Repertoire In Vivo. Molecular Pharmacology, 2015, 87, 706-717.	2.3	40
94	GIT2 Acts as a Potential Keystone Protein in Functional Hypothalamic Networks Associated with Age-Related Phenotypic Changes in Rats. PLoS ONE, 2012, 7, e36975.	2.5	40
95	Evidence That Gonadotropin-Releasing Hormone II Is Not a Physiological Regulator of Gonadotropin Secretion in Mammals. Journal of Neuroendocrinology, 2003, 15, 831-839.	2.6	39
96	Proline-Rich Tyrosine Kinase 2 Mediates Gonadotropin-Releasing Hormone Signaling to a Specific Extracellularly Regulated Kinase-Sensitive Transcriptional Locus in the Luteinizing Hormone Î²-Subunit Gene. Molecular Endocrinology, 2007, 21, 1216-1233.	3.7	39
97	Chemical modification of Class II G protein-coupled receptor ligands: Frontiers in the development of peptide analogs as neuroendocrine pharmacological therapies. , 2010, 125, 39-54.		38
98	Bioinformatic Approaches to Metabolic Pathways Analysis. Methods in Molecular Biology, 2011, 756, 99-130.	0.9	37
99	Toll-like receptors 2 and 4 modulate autonomic control of heart rate and energy metabolism. Brain, Behavior, and Immunity, 2014, 36, 90-100.	4.1	35
100	Gonadal Transcriptome Alterations in Response to Dietary Energy Intake: Sensing the Reproductive Environment. PLoS ONE, 2009, 4, e4146.	2.5	33
101	Informatic deconvolution of biased GPCR signaling mechanisms from in vivo pharmacological experimentation. Methods, 2016, 92, 51-63.	3.8	33
102	Intelligent and effective informatic deconvolution of â€œBig Dataâ€•and its future impact on the quantitative nature of neurodegenerative disease therapy. Alzheimer's and Dementia, 2018, 14, 961-975.	0.8	33
103	The role of Thyrotropin Releasing Hormone in aging and neurodegenerative diseases. American Journal of Alzheimer's Disease (Columbia, Mo), 2013, 1, .	0.3	32
104	Effective use of latent semantic indexing and computational linguistics in biological and biomedical applications. Frontiers in Physiology, 2013, 4, 8.	2.8	32
105	Pharmacophore model of the quercetin binding site of the SIRT6 protein. Journal of Molecular Graphics and Modelling, 2014, 49, 38-46.	2.4	32
106	Gonadotropin-Releasing Hormone Analog Structural Determinants of Selectivity for Inhibition of Cell Growth: Support for the Concept of Ligand-Induced Selective Signaling. Molecular Endocrinology, 2008, 22, 1711-1722.	3.7	31
107	Gonadotropin-Releasing Hormone Functionally Antagonizes Testosterone Activation of the Human Androgen Receptor in Prostate Cells through Focal Adhesion Complexes Involving Hic-5. Neuroendocrinology, 2006, 84, 285-300.	2.5	30
108	Euglycemic Agent-mediated Hypothalamic Transcriptomic Manipulation in the N171â€“82Q Model of Huntington Disease Is Related to Their Physiological Efficacy*. Journal of Biological Chemistry, 2012, 287, 31766-31782.	3.4	30

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109	Therapeutic Targeting of the Endoplasmic Reticulum in Alzheimers Disease. Current Alzheimer Research, 2012, 9, 110-119.	1.4	30
110	The Mammalian Tachykinin Ligand-Receptor System: An Emerging Target for Central Neurological Disorders. CNS and Neurological Disorders - Drug Targets, 2010, 9, 627-635.	1.4	30
111	Protein twists and turns in Alzheimer disease. Nature Medicine, 2006, 12, 392-393.	30.7	29
112	GIT2â€"A keystone in ageing and age-related disease. Ageing Research Reviews, 2018, 43, 46-63.	10.9	29
113	Systems-Level G Protein-Coupled Receptor Therapy Across a Neurodegenerative Continuum by the GLP-1 Receptor System. Frontiers in Endocrinology, 2014, 5, 142.	3.5	28
114	Nuclear GIT2 Is an ATM Substrate and Promotes DNA Repair. Molecular and Cellular Biology, 2015, 35, 1081-1096.	2.3	28
115	G Protein-Coupled Receptor Systems and Their Role in Cellular Senescence. Computational and Structural Biotechnology Journal, 2019, 17, 1265-1277.	4.1	28
116	G Protein-Coupled Receptor Systems as Crucial Regulators of DNA Damage Response Processes. International Journal of Molecular Sciences, 2018, 19, 2919.	4.1	26
117	Aging and Bone Health in Individuals with Developmental Disabilities. International Journal of Endocrinology, 2012, 2012, 1-10.	1.5	25
118	GIT2 Acts as a Systems-Level Coordinator of Neurometabolic Activity and Pathophysiological Aging. Frontiers in Endocrinology, 2015, 6, 191.	3.5	25
119	Aging and drug discovery. Aging, 2018, 10, 3079-3088.	3.1	25
120	Multiple Oxygen Tension Environments Reveal Diverse Patterns of Transcriptional Regulation in Primary Astrocytes. PLoS ONE, 2011, 6, e21638.	2.5	24
121	Altered Hypothalamic Protein Expression in a Rat Model of Huntington's Disease. PLoS ONE, 2012, 7, e47240.	2.5	23
122	Textrous!: Extracting Semantic Textual Meaning from Gene Sets. PLoS ONE, 2013, 8, e62665.	2.5	23
123	Diminished iron concentrations increase adenosine A2A receptor levels in mouse striatum and cultured human neuroblastoma cells. Experimental Neurology, 2009, 215, 236-242.	4.1	22
124	Cortical gene transcription response patterns to water maze training in aged mice. BMC Neuroscience, 2011, 12, 63.	1.9	21
125	The relationship between the agonist-induced activation and desensitization of the human tachykinin NK2 receptor expressed in Xenopus oocytes. British Journal of Pharmacology, 1998, 124, 675-684.	5.4	20
126	Conserved polar residues in the transmembrane domain of the human tachykinin NK2 receptor: functional roles and structural implications. Biochemical Journal, 1999, 339, 55.	3.7	20

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127	Live Longer sans the AT1A Receptor. Cell Metabolism, 2009, 9, 403-405.	16.2	20
128	Discontinuous pH gradient-mediated separation of TiO2-enriched phosphopeptides. Analytical Biochemistry, 2011, 409, 81-88.	2.4	20
129	Altered learning, memory, and social behavior in type 1 taste receptor subunit 3 knock-out mice are associated with neuronal dysfunction. Journal of Biological Chemistry, 2017, 292, 11508-11530.	3.4	20
130	GRK5 â€“ A Functional Bridge Between Cardiovascular and Neurodegenerative Disorders. Frontiers in Pharmacology, 2018, 9, 1484.	3.5	19
131	Rapid and enhanced proteolytic digestion using electric-field-oriented enzyme reactor. Journal of Proteomics, 2011, 74, 1030-1035.	2.4	18
132	Amitriptyline Improves Motor Function via Enhanced Neurotrophin Signaling and Mitochondrial Functions in the Murine N171-82Q Huntington Disease Model. Journal of Biological Chemistry, 2015, 290, 2728-2743.	3.4	18
133	Reduced energy intake: the secret to a long and healthy life?. IBS Journal of Science, 2007, 2, 35-39.	0.0	18
134	GnRH-Mediated DAN Production Regulates the Transcription of the GnRH Receptor in Gonadotrope Cells. NeuroMolecular Medicine, 2007, 9, 230-248.	3.4	17
135	Plurigon: three dimensional visualization and classification of high-dimensionality data. Frontiers in Physiology, 2013, 4, 190.	2.8	17
136	High-dimensionality Data Analysis of Pharmacological Systems Associated with Complex Diseases. Pharmacological Reviews, 2020, 72, 191-217.	16.0	17
137	Repetitive Peroxide Exposure Reveals Pleiotropic Mitogen-Activated Protein Kinase Signaling Mechanisms. Journal of Signal Transduction, 2011, 2011, 1-15.	2.0	16
138	PFN2 and GAMT as common molecular determinants of axonal Charcot-Marie-Tooth disease. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 870-878.	1.9	16
139	Multisystem proteinopathy due to a homozygous p.Arg159His VCP mutation. Neurology, 2020, 94, e785-e796.	1.1	15
140	Genomic deletion of GIT2 induces a premature age-related thymic dysfunction and systemic immune system disruption. Aging, 2017, 9, 706-740.	3.1	15
141	Metabolic Context Regulates Distinct Hypothalamic Transcriptional Responses to Antiaging Interventions. International Journal of Endocrinology, 2012, 2012, 1-15.	1.5	14
142	Systems Analysis of Arrestin Pathway Functions. Progress in Molecular Biology and Translational Science, 2013, 118, 431-467.	1.7	14
143	What Is the Role of Metabolic Hormones in Taste Buds of the Tongue. Frontiers of Hormone Research, 2014, 42, 134-146.	1.0	14
144	Image-guided phenotyping of ovariectomized mice: altered functional connectivity, cognition, myelination, and dopaminergic functionality. Neurobiology of Aging, 2019, 74, 77-89.	3.1	14

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145	Progression of established non-diabetic chronic kidney disease is halted by metformin treatment in rats. Kidney International, 2022, 101, 929-944.	5.2	14
146	Discovery- and target-based protein quantification using iTRAQ and pulsed Q collision induced dissociation (PQD). Journal of Proteomics, 2012, 75, 2480-2487.	2.4	13
147	BRET Biosensor Analysis of Receptor Tyrosine Kinase Functionality. Frontiers in Endocrinology, 2013, 4, 46.	3.5	13
148	Higher TNF-Î±, IGF-1, and leptin levels are found in tasters than non-tasters. Frontiers in Endocrinology, 2014, 5, 125.	3.5	13
149	Longitudinal Analysis of Calorie Restriction on Rat Taste Bud Morphology and Expression of Sweet Taste Modulators. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69, 532-544.	3.6	13
150	Investigating the role of filamin C in Belgian patients with frontotemporal dementia linked to GRN deficiency in FTLD-TDP brains. Acta Neuropathologica Communications, 2015, 3, 68.	5.2	13
151	Enhanced Molecular Appreciation of Psychiatric Disorders Through High-Dimensionality Data Acquisition and Analytics. Methods in Molecular Biology, 2019, 2011, 671-723.	0.9	13
152	Pancreas++: Automated Quantification of Pancreatic Islet Cells in Microscopy Images. Frontiers in Physiology, 2013, 3, 482.	2.8	12
153	Aging-related modifications to G protein-coupled receptor signaling diversity. , 2021, 223, 107793.		12
154	Editorial (Hot Topic: G Protein-Coupled Receptor Biased Agonism: Development Towards Future) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	2.4	10
155	The RXFP3 receptor is functionally associated with cellular responses to oxidative stress and DNA damage. Aging, 2019, 11, 11268-11313.	3.1	10
156	Inhibition of Ca²⁺â€sensitive K⁺ currents in NG 108â€15 cells by substance P and related tachykinins. British Journal of Pharmacology, 1996, 119, 315-320.	5.4	9
157	Identification of Proteins and Phosphoproteins Using Pulsed Q Collision Induced Dissociation (PQD). Journal of the American Society for Mass Spectrometry, 2011, 22, 1753-1762.	2.8	9
158	To Be or Not To Beâ€"Obese. Endocrinology, 2011, 152, 3592-3596.	2.8	9
159	Editorial [Hot Topic: Progressive and Unconventional Pharmacotherapeutic Approaches to Alzheimers Disease Therapy (Guest Editors: Stuart Maudsley & Wayne Chadwick)]. Current Alzheimer Research, 2012, 9, 1-4.	1.4	9
160	Multidimensional informatic deconvolution defines gender-specific roles of hypothalamic GIT2 in aging trajectories. Mechanisms of Ageing and Development, 2019, 184, 111150.	4.6	9
161	Effects of Detergent on Î±-Synuclein Structure: A Native MS-Ion Mobility Study. International Journal of Molecular Sciences, 2020, 21, 7884.	4.1	9
162	Profiling of the Peripheral Blood Mononuclear Cell Proteome in Schizophrenia and Mood Disorders for the Discovery of Discriminatory Biomarkers: A Proof-of-Concept Study. Neuropsychobiology, 2020, 79, 324-334.	1.9	9

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163	Precursor ion exclusion for enhanced identification of plasma biomarkers. Proteomics - Clinical Applications, 2012, 6, 304-308.	1.6	8
164	Development of Precision Small-Molecule Proneurotrophic Therapies for Neurodegenerative Diseases. Vitamins and Hormones, 2017, 104, 263-311.	1.7	8
165	Endothelial Contribution to Warfarin-Induced Arterial Media Calcification in Mice. International Journal of Molecular Sciences, 2021, 22, 11615.	4.1	7
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