Eyleen L K Goh

List of Publications by Year
in descending order

67 papers	4,589 citations	201674 27 h-index	110387 64 g-index
72 all docs	72 docs citations	72 times ranked	7444 citing authors

#	Article	IF	Citations
1	GABA regulates synaptic integration of newly generated neurons in the adult brain. Nature, 2006, 439, 589-593.	27.8	1,139
2	Mfsd2a is a transporter for the essential omega-3 fatty acid docosahexaenoic acid. Nature, 2014, 509, 503-506.	27.8	733
3	A 3D neurovascular microfluidic model consisting of neurons, astrocytes and cerebral endothelial cells as a bloodâ€“brain barrier. Lab on A Chip, 2017, 17, 448-459.	6.0	338
4	Accumulation of the Authentic Parkin Substrate Aminoacyl-tRNA Synthetase Cofactor, p38/JTV-1, Leads to Catecholaminergic Cell Death. Journal of Neuroscience, 2005, 25, 7968-7978.	3.6	221
5	Signal transduction via the growth hormone receptor. Cellular Signalling, 2001, 13, 599-616.	3.6	219
6	XTRPC1-dependent chemotropic guidance of neuronal growth cones. Nature Neuroscience, 2005, 8, 730-735.	14.8	151
7	Microarray with Microâ€•and Nanoâ€topographies Enables Identification of the Optimal Topography for Directing the Differentiation of Primary Murine Neural Progenitor Cells. Small, 2012, 8, 3050-3061.	10.0	110
8	Extending neurites sense the depth of the underlying topography during neuronal differentiation and contact guidance. Biomaterials, 2014, 35, 7750-7761.	11.4	106
9	Nanofibrous scaffold-mediated REST knockdown to enhance neuronal differentiation of stem cells. Biomaterials, 2013, 34, 3581-3590.	11.4	90
10	Taurine Induces Proliferation of Neural Stem Cells and Synapse Development in the Developing Mouse Brain. PLoS ONE, 2012, 7, e42935.	2.5	81
11	Growth Hormone Stimulates the Tyrosine Phosphorylation and Association of p125 Focal Adhesion Kinase (FAK) with JAK2. Journal of Biological Chemistry, 1998, 273, 10682-10689.	3.4	76
12	Growth Hormone Stimulates the Formation of a Multiprotein Signaling Complex Involving p130Cas and CrkII. Journal of Biological Chemistry, 1998, 273, 33864-33875.	3.4	68
13	beta1-integrin mediates myelin-associated glycoprotein signaling in neuronal growth cones. Molecular Brain, 2008, 1, 10.	2.6	66
14	Translational Control of Mitochondrial Energy Production Mediates Neuron Morphogenesis. Cell Metabolism, 2012, 16, 789-800.	16.2	65
15	Autocrine Human Growth Hormone (hGH) Regulation of Human Mammary Carcinoma Cell Gene Expression. Journal of Biological Chemistry, 2001, 276, 21464-21475.	3.4	56
16	Enhanced differentiation of neural progenitor cells into neurons of the mesencephalic dopaminergic subtype on topographical patterns. Biomaterials, 2015, 43, 32-43.	11.4	54
17	Adult Neural Stem Cells and Repair of the Adult Central Nervous System. Journal of Hematotherapy and Stem Cell Research, 2003, 12, 671-679.	1.8	49
18	Growth Hormone-Induced Reorganization of the Actin Cytoskeleton Is Not Required for STAT5 (Signal) Tj ETQq0 0 0 rgBT /Overlock 10 T 3207-3215.	2.8	48

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19	PD-linked CHCHD2 mutations impair CHCHD10 and MICOS complex leading to mitochondria dysfunction. Human Molecular Genetics, 2019, 28, 1100-1116.	2.9	48
20	Class 3 Semaphorin Mediates Dendrite Growth in Adult Newborn Neurons through Cdk5/FAK Pathway. PLoS ONE, 2013, 8, e65572.	2.5	47
21	Gene Expression Profiling to Identify Oncogenic Determinants of Autocrine Human Growth Hormone in Human Mammary Carcinoma. Journal of Biological Chemistry, 2005, 280, 23987-24003.	3.4	46
22	Extracellular matrix and biomimetic engineering microenvironment for neuronal differentiation. Neural Regeneration Research, 2020, 15, 573.	3.0	45
23	Growth Hormone Promotion of Tubulin Polymerization Stabilizes the Microtubule Network and Protects Against Colchicine-Induced Apoptosis**Supported by monies from the National Science and Technology Board of Singapore (to P.E.L.).. Endocrinology, 1998, 139, 4364-4372.	2.8	43
24	mRNA changes in nucleus accumbens related to methamphetamine addiction in mice. Scientific Reports, 2016, 6, 36993.	3.3	41
25	HoxC5 and miR-615-3p target newly evolved genomic regions to repress hTERT and inhibit tumorigenesis. Nature Communications, 2018, 9, 100.	12.8	38
26	Human Rett-derived neuronal progenitor cells in 3D graphene scaffold as an in vitro platform to study the effect of electrical stimulation on neuronal differentiation. Biomedical Materials (Bristol), 2018, 13, 034111.	3.3	32
27	c-Cbl Is a Negative Regulator of GH-Stimulated STAT5-Mediated Transcription. Endocrinology, 2002, 143, 3590-3603.	2.8	30
28	Cell surface Î±2,3-linked sialic acid facilitates Zika virus internalization. Emerging Microbes and Infections, 2019, 8, 426-437.	6.5	29
29	The Growth Hormone-binding Protein Is a Location-dependent Cytokine Receptor Transcriptional Enhancer. Journal of Biological Chemistry, 2003, 278, 6346-6354.	3.4	28
30	Choline Rescues Behavioural Deficits in a Mouse Model of Rett Syndrome by Modulating Neuronal Plasticity. Molecular Neurobiology, 2019, 56, 3882-3896.	4.0	28
31	Lentiviral silencing of GSK-3Î² in adult dentate gyrus impairs contextual fear memory and synaptic plasticity. Frontiers in Behavioral Neuroscience, 2015, 9, 158.	2.0	27
32	Choline Ameliorates Disease Phenotypes in Human iPSC Models of Rett Syndrome. NeuroMolecular Medicine, 2016, 18, 364-377.	3.4	26
33	The Effects of Nanofiber Topography on Astrocyte Behavior and Gene Silencing Efficiency. Macromolecular Bioscience, 2012, 12, 666-674.	4.1	24
34	CrkII Participation in the Cellular Effects of Growth Hormone and Insulin-like Growth Factor-1. Journal of Biological Chemistry, 2000, 275, 17683-17692.	3.4	23
35	Distinct Responses of Stem Cells to Telomere Uncappingâ€"A Potential Strategy to Improve the Safety of Cell Therapy. Stem Cells, 2016, 34, 2471-2484.	3.2	22
36	Growth Hormone Promotion of Tubulin Polymerization Stabilizes the Microtubule Network and Protects Against Colchicine-Induced Apoptosis. Endocrinology, 1998, 139, 4364-4372.	2.8	22

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37	Growth Hormone-Induced Reorganization of the Actin Cytoskeleton Is Not Required for STAT5 (Signal) Tj ETQq1 1 0.784314 rgBT /Over 3207-3215.	2.8	21
38	Maternal methamphetamine exposure causes cognitive impairment and alteration of neurodevelopment-related genes in adult offspring mice. Neuropharmacology, 2018, 140, 25-34.	4.1	20
39	Methyl-CpG Binding Protein 2 (Mecp2) Regulates Sensory Function Through Sema5b and Robo2. Frontiers in Cellular Neuroscience, 2015, 9, 481.	3.7	19
40	Rab23 and developmental disorders. Reviews in the Neurosciences, 2018, 29, 849-860.	2.9	19
41	Nanofibrous scaffold with incorporated protein gradient for directing neurite outgrowth. Drug Delivery and Translational Research, 2011, 1, 147-160.	5.8	17
42	Directing Neuronal Differentiation of Primary Neural Progenitor Cells by Gene Knockdown Approach. DNA and Cell Biology, 2012, 31, 1148-1160.	1.9	17
43	Rescue of Methyl-CpG Binding Protein 2 Dysfunction-induced Defects in Newborn Neurons by Pentobarbital. Neurotherapeutics, 2015, 12, 477-490.	4.4	17
44	Neuropilin 2 Signaling Is Involved in Cell Positioning of Adult-born Neurons through Glycogen Synthase Kinase-3Î² (GSK3Î²). Journal of Biological Chemistry, 2016, 291, 25088-25095.	3.4	17
45	Bloodâ€“brain barrier on a chip. Methods in Cell Biology, 2018, 146, 159-182.	1.1	17
46	Sequential Application of Discrete Topographical Patterns Enhances Derivation of Functional Mesencephalic Dopaminergic Neurons from Human Induced Pluripotent Stem Cells. Scientific Reports, 2018, 8, 9567.	3.3	16
47	Regulation of miRâ€128 in the nucleus accumbens affects methamphetamineâ€induced behavioral sensitization by modulating proteins involved in neuroplasticity. Addiction Biology, 2021, 26, e12881.	2.6	16
48	An Optogenetic Approach for Assessing Formation of Neuronal Connections in a Co-culture System. Journal of Visualized Experiments, 2015, , e52408.	0.3	15
49	Rab31 is expressed in neural progenitor cells and plays a role in their differentiation. FEBS Letters, 2014, 588, 3186-3194.	2.8	12
50	Rab23 Regulates Radial Migration of Projection Neurons via N-cadherin. Cerebral Cortex, 2018, 28, 1516-1531.	2.9	12
51	The methyl-CpG-binding domain (MBD) is crucial for MeCP2â€™s dysfunction-induced defects in adult newborn neurons. Frontiers in Cellular Neuroscience, 2015, 9, 158.	3.7	11
52	MeCP2 Dysfunction in Rett Syndrome and Neuropsychiatric Disorders. Methods in Molecular Biology, 2019, 2011, 573-591.	0.9	10
53	Small GTPases in hedgehog signalling: emerging insights into the disease mechanisms of Rab23-mediated and Arl13b-mediated ciliopathies. Current Opinion in Genetics and Development, 2019, 56, 61-68.	3.3	10
54	Ago2 and Dicer1 are involved in METHâ€induced locomotor sensitization in mice via biogenesis of miRNA. Addiction Biology, 2019, 24, 498-508.	2.6	9

#	Article	IF	Citations
55	Potential Ago2/miR-3068-5p Cascades in the Nucleus Accumbens Contribute to Methamphetamine-Induced Locomotor Sensitization of Mice. Frontiers in Pharmacology, 2021, 12, 708034.	3.5	9
56	Reorganization of Basolateral Amygdala-Subiculum Circuitry in Mouse Epilepsy Model. Frontiers in Neuroanatomy, 2016, 9, 167.	1.7	7
57	Regionally-Specified Second Trimester Fetal Neural Stem Cells Reveals Differential Neurogenic Programming. PLoS ONE, 2014, 9, e105985.	2.5	5
58	A novel microRNA, novel-m009C, regulates methamphetamine rewarding effects. Molecular Psychiatry, 2022, 27, 3885-3897.	7.9	5
59	Behavioral Characterization of MeCP2 Dysfunction-Associated Rett Syndrome and Neuropsychiatric Disorders. Methods in Molecular Biology, 2019, 2011, 593-605.	0.9	4
60	Studying neurological disorders using induced pluripotent stem cells and optogenetics. Neural Regeneration Research, 2015, 10, 1720.	3.0	3
61	WNK3 Maintains the GABAergic Inhibitory Tone, Synaptic Excitation and Neuronal Excitability via Regulation of KCC2 Cotransporter in Mature Neurons. Frontiers in Molecular Neuroscience, 2021, 14, 762142.	2.9	3
62	Maternal Methamphetamine Exposure Influences Behavioral Sensitization and Nucleus Accumbens DNA Methylation in Subsequent Generation. Frontiers in Pharmacology, 0, 13, .	3.5	3
63	Integrated analysis of a compendium of RNA-Seq datasets for splicing factors. Scientific Data, 2020, 7, 178.	5.3	2
64	Rett syndrome: a sex-biased neurodevelopmental disorder. Biochemist, 2017, 39, 30-33.	0.5	2
65	Modulating neuronal plasticity with choline. Neural Regeneration Research, 2019, 14, 1697.	3.0	1
66	Rab23 Regulates Radial Migration of Projection Neurons via PDGFRÎ±-Mediated Expression of N-cadherin. Mechanisms of Development, 2017, 145, S118.	1.7	0
67	Editorial: Contribution of Translational Animal Models to the Systems Biology of Neurodegenerative Disorders. Frontiers in Physiology, 2020, 11, 775.	2.8	0