Stephen R Robinson

List of Publications by Year
in descending order

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141 papers	39,487 citations	36303 51 h-index	12597 132 g-index
144 all docs	144 docs citations	144 times ranked	51841 citing authors

#	Article	IF	Citations
1	Association between cognitive dysfunction and nocturnal peaks of blood pressure estimated from pulse transit time in obstructive sleep apnoea. Sleep Medicine, 2022, 90, 185-191.	1.6	1
2	Estimation of the global prevalence of dementia in 2019 and forecasted prevalence in 2050: an analysis for the Global Burden of Disease Study 2019. Lancet Public Health, The, 2022, 7, e105-e125.	10.0	1,199
3	Differential associations of hypoxia, sleep fragmentation, and depressive symptoms with cognitive dysfunction in obstructive sleep apnea. Sleep, 2021, 44, .	1.1	15
4	Alzheimerâ€™s disease neuropathology in the hippocampus and brainstem of people with obstructive sleep apnea. Sleep, 2021, 44, .	1.1	30
5	Global mortality from dementia: Application of a new method and results from the Global Burden of Disease Study 2019. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2021, 7, e12200.	3.7	53
6	Association between nocturnal activity of the sympathetic nervous system and cognitive dysfunction in obstructive sleep apnoea. Scientific Reports, 2021, 11, 11990.	3.3	15
7	Quantitative analysis of size and regional distribution of corpora amylacea in the hippocampal formation of obstructive sleep apnoea patients. Scientific Reports, 2021, 11, 20892.	3.3	6
8	Measurement of hand grip strength in the elderly: A scoping review with recommendations. Journal of Bodywork and Movement Therapies, 2020, 24, 235-243.	1.2	45
9	What is the optimal chair stand test protocol for older adults? A systematic review. Disability and Rehabilitation, 2020, 42, 2828-2835.	1.8	24
10	The global, regional, and national burden of inflammatory bowel disease in 195 countries and territories, 1990â€“2017: a systematic analysis for the Global Burden of Disease Study 2017. The Lancet Gastroenterology and Hepatology, 2020, 5, 17-30.	8.1	1,200
11	Assessment of Gait Speed in Older Adults. Journal of Geriatric Physical Therapy, 2020, 43, 42-52.	1.1	36
12	Severe Obstructive Sleep Apnea Is Associated with Higher Brain Amyloid Burden: A Preliminary PET Imaging Study. Journal of Alzheimer's Disease, 2020, 78, 611-617.	2.6	29
13	Global burden of 369 diseases and injuries in 204 countries and territories, 1990â€“2019: a systematic analysis for the Global Burden of Disease Study 2019. Lancet, The, 2020, 396, 1204-1222.	13.7	7,664
14	Autobiographical Memory From Different Life Stages in Individuals With Obstructive Sleep Apnea. Journal of the International Neuropsychological Society, 2019, 25, 266-274.	1.8	14
15	Matrine Protects Against MCD-Induced Development of NASH via Upregulating HSP72 and Downregulating mTOR in a Manner Distinctive From Metformin. Frontiers in Pharmacology, 2019, 10, 405.	3.5	26
16	Global, regional, and national burden of stroke, 1990â€“2016: a systematic analysis for the Global Burden of Disease Study 2016. Lancet Neurology, The, 2019, 18, 439-458.	10.2	2,005
17	Global, regional, and national burden of Alzheimer's disease and other dementias, 1990â€“2016: a systematic analysis for the Global Burden of Disease Study 2016. Lancet Neurology, The, 2019, 18, 88-106.	10.2	1,512
18	Neuropathological investigation of cell layer thickness and myelination in the hippocampus of people with obstructive sleep apnea. Sleep, 2019, 42, .	1.1	49

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19	TIARA. , 2019, , .		0
20	Alzheimerâ€™s Amyloid-Î² is an Antimicrobial Peptide: A Review of the Evidence. Journal of Alzheimer's Disease, 2018, 62, 1495-1506.	2.6	171
21	Impact of musculoskeletal pain on balance and concerns of falling in mobility-limited, community-dwelling Danes over 75Âyears of age: a cross-sectional study. Aging Clinical and Experimental Research, 2018, 30, 969-975.	2.9	10
22	Global, regional, and national age-sex-specific mortality and life expectancy, 1950â€“2017: a systematic analysis for the Global Burden of Disease Study 2017. Lancet, The, 2018, 392, 1684-1735.	13.7	716
23	Global, regional, and national age-sex-specific mortality for 282 causes of death in 195 countries and territories, 1980â€“2017: a systematic analysis for the Global Burden of Disease Study 2017. Lancet, The, 2018, 392, 1736-1788.	13.7	4,989
24	Global, regional, and national incidence, prevalence, and years lived with disability for 354 diseases and injuries for 195 countries and territories, 1990â€“2017: a systematic analysis for the Global Burden of Disease Study 2017. Lancet, The, 2018, 392, 1789-1858.	13.7	8,569
25	Global, regional, and national disability-adjusted life-years (DALYs) for 359 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990â€“2017: a systematic analysis for the Global Burden of Disease Study 2017. Lancet, The, 2018, 392, 1859-1922.	13.7	2,123
26	Global, Regional, and Country-Specific Lifetime Risks of Stroke, 1990 and 2016. New England Journal of Medicine, 2018, 379, 2429-2437.	27.0	959
27	The Physiological Roles of Amyloid-Î² Peptide Hint at New Ways to Treat Alzheimer's Disease. Frontiers in Aging Neuroscience, 2018, 10, 118.	3.4	226
28	Repurposing matrine for the treatment of hepatosteatosis and associated disorders in glucose homeostasis in mice. Acta Pharmacologica Sinica, 2018, 39, 1753-1759.	6.1	14
29	The effects of physical vibration on heart rate variability as a measure of drowsiness. Ergonomics, 2018, 61, 1259-1272.	2.1	33
30	Consequences of redefining Alzheimer's disease in terms of amyloid burden without regard to cognitive decline. Neural Regeneration Research, 2018, 13, 2098.	3.0	1
31	Global, regional, and national disability-adjusted life-years (DALYs) for 333 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990â€“2016: a systematic analysis for the Global Burden of Disease Study 2016. Lancet, The, 2017, 390, 1260-1344.	13.7	1,589
32	Cognitive impairment in Crohnâ€™s disease is associated with systemic inflammation, symptom burden and sleep disturbance. United European Gastroenterology Journal, 2017, 5, 579-587.	3.8	45
33	Cognitive Impairment After Cardiac Surgery: Confounding Factors and Recommendations for Improved Practice. , 2016, , 585-628.		2
34	Uptake and Toxicity of Hemin and Iron in Cultured Mouse Astrocytes. Neurochemical Research, 2016, 41, 298-306.	3.3	20
35	Dietary cholesterol induces hepatic inflammation and blunts mitochondrial function in the liver of high-fat-fed mice. Journal of Nutritional Biochemistry, 2016, 27, 96-103.	4.2	25
36	Chinese Herbs for Cognitive Decline. , 2015, , 805-818.		2

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37	Inhibition of Astrocytic Glutamine Synthetase by Lead is Associated with a Slowed Clearance of Hydrogen Peroxide by the Glutathione System. Frontiers in Integrative Neuroscience, 2015, 9, 61.	2.1	11
38	Cognitive Impairment After Cardiac Surgery: Confounding Factors and Recommendations for Improved Practice. , 2015, , 1-45.		0
39	Validity of a screening tool for detecting subtle cognitive impairment in the middle-aged and elderly. Clinical Interventions in Aging, 2014, 9, 2165.	2.9	7
40	Cognitive impairment in coeliac disease improves on a glutenâ€free diet and correlates with histological and serological indices of disease severity. Alimentary Pharmacology and Therapeutics, 2014, 40, 160-170.	3.7	69
41	Editorial: â€˜Brain Fogâ€™ and coeliac disease â€“ evidence for its existence: authorsâ€™ reply. Alimentary Pharmacology and Therapeutics, 2014, 40, 566-566.	3.7	3
42	Phenanthrolines Protect Astrocytes from Hemin Without Chelating Iron. Neurochemical Research, 2014, 39, 693-699.	3.3	3
43	Efficacy of Cognitive Processes in Young People with High-Functioning Autism Spectrum Disorder Using a Novel Visual Information-Processing Task. Journal of Autism and Developmental Disorders, 2014, 44, 2809-2819.	2.7	8
44	Effects on Cognition of Conventional and Robotically Assisted Cardiac Valve Operation. Annals of Thoracic Surgery, 2014, 97, 48-55.	1.3	10
45	Recovery of Cognitive Function After Coronary Artery Bypass Graft Operations. Annals of Thoracic Surgery, 2013, 95, 1306-1313.	1.3	39
46	Reply. Annals of Thoracic Surgery, 2013, 96, 1529-1530.	1.3	2
47	Long-Term Intermittent Hypoxia Elevates Cobalt Levels in the Brain and Injures White Matter in Adult Mice. Sleep, 2013, 36, 1471-1481.	1.1	27
48	Reactive astrocytes give neurons less support: implications for Alzheimer's disease. Neurobiology of Aging, 2012, 33, 423.e1-423.e13.	3.1	103
49	Subtle cognitive impairment in elders with Miniâ€Mental State Examination scores within the â€˜normalâ€™ range. International Journal of Geriatric Psychiatry, 2012, 27, 463-471.	2.7	29
50	Impaired perceptual judgment at low blood alcohol concentrations. Alcohol, 2011, 45, 711-718.	1.7	39
51	Uptake, metabolism and toxicity of hemin in cultured neurons. Neurochemistry International, 2011, 58, 804-811.	3.8	35
52	Inactivation of astrocytic glutamine synthetase by hydrogen peroxide requires iron. Neuroscience Letters, 2011, 490, 27-30.	2.1	19
53	New Thinking on the Etiology and Pathogenesis of Late-Onset Alzheimer's Disease. International Journal of Alzheimer's Disease, 2011, 2011, 1-2.	2.0	0
54	Accumulation of Non-Transferrin-Bound Iron by Neurons, Astrocytes, and Microglia. Neurotoxicity Research, 2011, 19, 443-451.	2.7	98

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55	The metabolism and toxicity of hemin in astrocytes. Glia, 2011, 59, 1540-1550.	4.9	25
56	Uptake of ferrous iron by cultured rat astrocytes. Journal of Neuroscience Research, 2010, 88, 563-571.	2.9	61
57	A role for Na+/H+ exchangers and intracellular pH in regulating vitamin C-driven electron transport across the plasma membrane. Biochemical Journal, 2010, 428, 191-200.	3.7	15
58	Synergistic accumulation of iron and zinc by cultured astrocytes. Journal of Neural Transmission, 2010, 117, 809-817.	2.8	39
59	Histidine, cystine, glutamine, and threonine collectively protect astrocytes from the toxicity of zinc. Free Radical Biology and Medicine, 2010, 49, 649-657.	2.9	38
60	The putative heme transporter HCP1 is expressed in cultured astrocytes and contributes to the uptake of hemin. Glia, 2010, 58, 55-65.	4.9	48
61	Astrocytes retain their antioxidant capacity into advanced old age. Glia, 2010, 58, 1500-1509.	4.9	34
62	Neurones express glutamine synthetase when deprived of glutamine or interaction with astrocytes. Journal of Neurochemistry, 2010, 114, 1527-1536.	3.9	21
63	Effects of carboxylic acids on the uptake of non-transferrin-bound iron by astrocytes. Neurochemistry International, 2010, 56, 843-849.	3.8	9
64	Two routes of iron accumulation in astrocytes: ascorbate-dependent ferrous iron uptake via the divalent metal transporter (DMT1) plus an independent route for ferric iron. Biochemical Journal, 2010, 432, 123-132.	3.7	88
65	Hemin toxicity: a preventable source of brain damage following hemorrhagic stroke. Redox Report, 2009, 14, 228-235.	4.5	162
66	Sustained hydrogen peroxide stress decreases lactate production by cultured astrocytes. Journal of Neuroscience Research, 2009, 87, 2696-2708.	2.9	35
67	The impact of cardiac surgery on cognition. Stress and Health, 2008, 24, 249-266.	2.6	11
68	HIV-1 protein gp120 rapidly impairs memory in chicks by interrupting the glutamateâ€“glutamine cycle. Neurobiology of Learning and Memory, 2007, 87, 1-8.	1.9	14
69	Zinc stimulates the production of toxic reactive oxygen species (ROS) and inhibits glutathione reductase in astrocytes. Free Radical Biology and Medicine, 2007, 42, 1222-1230.	2.9	146
70	The Pivotal Role of Astrocytes in the Metabolism of Iron in the Brain. Neurochemical Research, 2007, 32, 1884-1890.	3.3	170
71	Glutathione peroxidase-1 contributes to the protection of glutamine synthetase in astrocytes during oxidative stress. Journal of Neural Transmission, 2006, 113, 1145-1155.	2.8	24
72	TNF alpha affects the expression of GFAP and S100B: implications for Alzheimerâ€™s disease. Journal of Neural Transmission, 2006, 113, 1709-1715.	2.8	67

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73	Morphology, characterization, and distribution of retinal photoreceptors in the Australian lungfishNeoceratodus forsteri (Krefft, 1870). Journal of Comparative Neurology, 2006, 494, 381-397.	1.6	53
74	Glutathione peroxidase 1 and a high cellular glutathione concentration are essential for effective organic hydroperoxide detoxification in astrocytes. Glia, 2006, 54, 873-879.	4.9	46
75	Glutathione peroxidase 1 and glutathione are required to protect mouse astrocytes from iron-mediated hydrogen peroxide toxicity. Journal of Neuroscience Research, 2006, 84, 578-586.	2.9	71
76	Foreword: Challenging views of Alzheimer's disease â€“ 2004. Journal of Alzheimer's Disease, 2005, 7, 233-233.	2.6	0
77	Altered cellular distribution of iron in rat cerebral cortex during the oestrous cycle. Journal of Neural Transmission, 2004, 111, 159-165.	2.8	8
78	Iron accumulation, iron-mediated toxicity and altered levels of ferritin and transferrin receptor in cultured astrocytes during incubation with ferric ammonium citrate. Journal of Neurochemistry, 2004, 88, 1194-1202.	3.9	119
79	Colorimetric ferrozine-based assay for the quantitation of iron in cultured cells. Analytical Biochemistry, 2004, 331, 370-375.	2.4	474
80	Physiological Roles of Amyloid-?? and Implications for its Removal in Alzheimer???s Disease. Drugs and Aging, 2004, 21, 621-630.	2.7	61
81	Lessons from the AN 1792 Alzheimer vaccine: lest we forget. Neurobiology of Aging, 2004, 25, 609-615.	3.1	90
82	Challenges and directions for the pathogen hypothesis of Alzheimerâ€™s disease. Neurobiology of Aging, 2004, 25, 629-637.	3.1	38
83	Pharmacological but not physiological concentrations of melatonin reduce iron-induced neuronal death in rat cerebral cortex. Neuroscience Letters, 2004, 362, 182-184.	2.1	19
84	Endogenous glutathione and catalase protect cultured rat astrocytes from the iron-mediated toxicity of hydrogen peroxide. Neuroscience Letters, 2004, 364, 164-167.	2.1	29
85	The Amyloid Paradox: AmyloidâÎ²â€Metal Complexes can be Neurotoxic and Neuroprotective. Brain Pathology, 2004, 14, 448-452.	4.1	55
86	Deposits of fibrillar A? do not cause neuronal loss or ferritin expression in adult rat brain. Journal of Neural Transmission, 2003, 110, 381-400.	2.8	13
87	Human A?1-42 reduces iron-induced toxicity in rat cerebral cortex. Journal of Neuroscience Research, 2003, 73, 316-323.	2.9	44
88	Alzheimer vaccine: amyloid-Î² on trial. BioEssays, 2003, 25, 283-288.	2.5	24
89	Alzheimer vaccine: an update. BioEssays, 2003, 25, 1025-1025.	2.5	0
90	Anti-AGEing defences against Alzheimer's disease. Biochemical Society Transactions, 2003, 31, 1397-1399.	3.4	43

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91	Iron: A Pathological Mediator of Alzheimer Disease?. Developmental Neuroscience, 2002, 24, 184-187.	2.0	127
92	Comment on Vicki Brower's article â€˜Harnessing the immune system to battle Alzheimer'sâ€™ in EMBO reports , March 2002. EMBO Reports, 2002, 3, 392-392.	4.5	2
93	The Search for an Amyloid Solution. Science, 2002, 298, 962-964.	12.6	30
94	AÎ² as a bioflocculant: implications for the amyloid hypothesis of Alzheimerâ€™s disease. Neurobiology of Aging, 2002, 23, 1051-1072.	3.1	140
95	The amyloid hypothesis: let sleeping dogmas lie?. Neurobiology of Aging, 2002, 23, 1101-1105.	3.1	67
96	Challenging Views of Alzheimer's disease. Journal of Alzheimer's Disease, 2002, 4, 129-130.	2.6	0
97	Alzheimer's vaccine: a cure as dangerous as the disease?. Journal of Neural Transmission, 2002, 109, 537-539.	2.8	44
98	Potential neurotoxic inflammatory responses to AÎ² vaccination in humans. Journal of Neural Transmission, 2002, 109, 1081-1087.	2.8	41
99	Call for Elan to publish Alzheimer's trial details. Nature, 2002, 416, 677-677.	27.8	22
100	Amyloid-Î²: redox-metal chelator and antioxidant. Journal of Alzheimer's Disease, 2002, 4, 203-214.	2.6	24
101	Changes in the cellular distribution of glutamine synthetase in Alzheimer's disease. Journal of Neuroscience Research, 2001, 66, 972-980.	2.9	84
102	Quantitative analysis of cell death and ferritin expression in response to cortical iron: implications for hypoxiaâ€“ischemia and stroke. Brain Research, 2001, 907, 175-187.	2.2	99
103	Inhibition of Mï¿½ller cell glutamine synthetase rapidly impairs the retinal response to light. Glia, 2000, 30, 64-73.	4.9	81
104	Alzheimer's Disease And Inflammation: A Review Of Cellular And Therapeutic Mechanisms. Clinical and Experimental Pharmacology and Physiology, 2000, 27, 1-8.	1.9	174
105	Neuronalâ€“glial interactions and behaviour. Neuroscience and Biobehavioral Reviews, 2000, 24, 295-340.	6.1	197
106	Neuronal expression of glutamine synthetase in Alzheimerâ€™s disease indicates a profound impairment of metabolic interactions with astrocytes. Neurochemistry International, 2000, 36, 471-482.	3.8	141
107	Energy for Neurotransmission. Science, 1999, 285, 639a-639.	12.6	6
108	Astrocytes: Glutamate producers for neurons. Journal of Neuroscience Research, 1999, 57, 417-428.	2.9	385

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109	Astrocytes: Glutamate producers for neurons. Journal of Neuroscience Research, 1999, 57, 417-428.	2.9	8
110	Relationships between MÃ¼ller cells and neurons in a primitive tetrapod, the Australian lungfish. Visual Neuroscience, 1997, 14, 795-800.	1.0	2
111	Chicks Injected with Antisera to either S-100Î± or S-100Î² Protein Develop Amnesia for a Passive Avoidance Task. Neurobiology of Learning and Memory, 1997, 67, 197-206.	1.9	41
112	Complex Roles of Glutamate in the Gibbsâ€"Ng Model of One-trial Aversive Learning in the New-born Chick. Neuroscience and Biobehavioral Reviews, 1997, 21, 45-54.	6.1	65
113	Inhibition of glutamine synthetase activity prevents memory consolidation. Cognitive Brain Research, 1996, 4, 57-64.	3.0	51
114	Ependymocytes and supra-ependymal axons in rat brain contain glutamate. Glia, 1996, 17, 345-348.	4.9	9
115	Astrocyte-Neuron Interaction During One-trial Aversive Learning in the Neonate Chick **These results were originally presented at the Second Annual International Behavioral Neuroscience Society Conference, Clearwater Beach, Florida, USA, 22â€"25 April 1993.. Neuroscience and Biobehavioral Reviews, 1996, 20, 537-551.	6.1	44
116	Phylogenetic constraints on retinal organisation and development. Progress in Retinal and Eye Research, 1995, 15, 139-171.	15.5	89
117	Shifting relationships between photoreceptors and pigment epithelial cells in monkey retina: Implications for the development of retinal topography. Visual Neuroscience, 1995, 12, 767-778.	1.0	22
118	Heterogeneous morphology and tracer coupling patterns of retinal oligodendrocytes. Philosophical Transactions of the Royal Society B: Biological Sciences, 1995, 349, 353-364.	4.0	11
119	The involvement of MÃ¼ller cells in the outer retina. , 1995, , 395-416.		24
120	Early vertebrate colour vision. Nature, 1994, 367, 121-121.	27.8	46
121	Glutamate in some retinal neurons is derived solely from glia. Neuroscience, 1994, 60, 355-366.	2.3	239
122	Response. Science, 1994, 265, 1019-1020.	12.6	1
123	Unidirectional coupling of gap junctions between neuroglia. Science, 1993, 262, 1072-1074.	12.6	216
124	Development of catecholaminergic, Indoleamine-accumulating and NADPH-diaphorase amacrine cells in rabbit retinae. Journal of Comparative Neurology, 1992, 319, 560-585.	1.6	33
125	MÃ¼ller cells in vascular and avascular retinae: A survey of seven mammals. Journal of Comparative Neurology, 1992, 323, 59-80.	1.6	84
126	Thy-1 antigen is specific to ganglion cells in chicks. Neuroscience Letters, 1991, 123, 87-90.	2.1	16

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127	The Visual Pathways of Eutherian Mammals and Marsupials Develop According to a Common Timetable. Brain, Behavior and Evolution, 1990, 36, 177-195.	1.7	101
128	MÃ¼ller cells in adult rabbit retinae: Morphology, distribution and implications for function and development. Journal of Comparative Neurology, 1990, 292, 178-192.	1.6	88
129	Nonuniform retinal expansion during the formation of the rabbit's visual streak: Implications for the ontogeny of mammalian retinal topography. Visual Neuroscience, 1989, 2, 201-219.	1.0	65
130	Evidence for three morphological classes of astrocyte in the adult rabbit retina: Functional and developmental implications. Neuroscience Letters, 1989, 106, 261-268.	2.1	38
131	Somatostatinergic neurones of the developing human and cat retinae. Neuroscience Letters, 1989, 104, 209-216.	2.1	39
132	Cell death in the inner and outer nuclear layers of the developing cat retina. Journal of Comparative Neurology, 1988, 267, 507-515.	1.6	41
133	Development of the Retinofugal Pathway in Birds and Mammals: Evidence for a common 'timetable'.. Brain, Behavior and Evolution, 1988, 31, 369-390.	1.7	95
134	Changes in the numbers of retinal ganglion cells and optic nerve axons in the developing albino rabbit. Developmental Brain Research, 1987, 35, 161-174.	1.7	39
135	Differential retinal growth appears to be the primary factor producing the ganglion cell density gradient in the rat. Neuroscience Letters, 1987, 79, 78-84.	2.1	56
136	Ontogeny of the area centralis in the cat. Journal of Comparative Neurology, 1987, 255, 50-67.	1.6	79
137	CYTOGENESIS IN THE DEVELOPING RETINA OF THE CAT. Australian and New Zealand Journal of Ophthalmology, 1985, 13, 113-124.	0.4	16
138	The morphology of relay neurons in the dorsal lateral geniculate nucleus of the marsupial brush-tailed possum (Trichosurus vulpecula). Journal of Comparative Neurology, 1985, 235, 196-206.	1.6	2
139	Cell division in the developing cat retina occurs in two zones. Developmental Brain Research, 1985, 19, 101-109.	1.7	31
140	Interocular Transfer in a Marsupial: The Brush-Tailed Possum (Trichosurus vulpecula). Brain, Behavior and Evolution, 1982, 21, 114-124.	1.7	4
141	Dehydroepiandrosterone (DHEA) and DHEA Sulfate: Roles in Brain Function and Disease. , 0, , .		2