

Jun Tan

List of Publications by Year in descending order

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132
papers

11,092
citations

22132

59
h-index

30894

102
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138
all docs

138
docs citations

138
times ranked

13872
citing authors

#	ARTICLE	IF	CITATIONS
1	Gallic acid is a dual β -secretase modulator that reverses cognitive impairment and remediates pathology in Alzheimer mice. <i>Journal of Biological Chemistry</i> , 2020, 295, 16251-16266.	1.6	49
2	A Review for Lithium: Pharmacokinetics, Drug Design, and Toxicity. <i>CNS and Neurological Disorders - Drug Targets</i> , 2020, 18, 769-778.	0.8	23
3	White-Matter Hyperintensities and Lacunar Infarcts Are Associated with an Increased Risk of		

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19	Biodistribution of Infused Human Umbilical Cord Blood Cells in Alzheimer's Disease-Like Murine Model. <i>Cell Transplantation</i> , 2016, 25, 195-199.	1.2	24
20	Diosmin reduces cerebral A β levels, tau hyperphosphorylation, neuroinflammation, and cognitive impairment in the 3xTg-AD mice. <i>Journal of Neuroimmunology</i> , 2016, 299, 98-106.	1.1	60
21	The role of heparan sulfate deficiency in autistic phenotype: potential involvement of Slit/Robo/srGAPs-mediated dendritic spine formation. <i>Neural Development</i> , 2016, 11, 11.	1.1	13
22	Swedish mutant APP-based BACE1 binding site peptide reduces APP β -cleavage and cerebral A β levels in Alzheimer's mice. <i>Scientific Reports</i> , 2015, 5, 11322.	1.6	25
23	Soluble amyloid precursor protein alpha inhibits tau phosphorylation through modulation of GSK-3 β signaling pathway. <i>Journal of Neurochemistry</i> , 2015, 135, 630-637.	2.1	60
24	Human Umbilical Cord Blood-Derived Monocytes Improve Cognitive Deficits and Reduce Amyloid- β Pathology in PSAPP Mice. <i>Cell Transplantation</i> , 2015, 24, 2237-2250.	1.2	26
25	Induction of apoptosis and autophagy via sirtuin1- and PI3K/Akt/mTOR-mediated pathways by plumbagin in human prostate cancer cells. <i>Drug Design, Development and Therapy</i> , 2015, 9, 1511.	2.0	86
26	Association Between Serum Amyloid-Beta and Renal Functions: Implications for Roles of Kidney in Amyloid-Beta Clearance. <i>Molecular Neurobiology</i> , 2015, 52, 115-119.	1.9	55
27	Physiological amyloid-beta clearance in the periphery and its therapeutic potential for Alzheimer's disease. <i>Acta Neuropathologica</i> , 2015, 130, 487-499.	3.9	180
28	Clearance of Amyloid-Beta in Alzheimer's Disease: Shifting the Action Site from Center to Periphery. <i>Molecular Neurobiology</i> , 2015, 51, 1-7.	1.9	79
29	MSM ameliorates HIV-1 Tat induced neuronal oxidative stress via rebalance of the glutathione cycle. <i>American Journal of Translational Research (discontinued)</i> , 2015, 7, 328-38.	0.0	22
30	Efavirenz Promotes β -Secretase Expression and Increased A β 1-40,42 via Oxidative Stress and Reduced Microglial Phagocytosis: Implications for HIV Associated Neurocognitive Disorders (HAND). <i>PLoS ONE</i> , 2014, 9, e95500.	1.1	57
31	The role of tau protein in HIV-associated neurocognitive disorders. <i>Molecular Neurodegeneration</i> , 2014, 9, 40.	4.4	24
32	Luteolin Reduces Alzheimer's Disease Pathologies Induced by Traumatic Brain Injury. <i>International Journal of Molecular Sciences</i> , 2014, 15, 895-904.	1.8	117
33	Suppressed cytokine expression immediately following traumatic brain injury in neonatal rats indicates an expeditious endogenous anti-inflammatory response. <i>Brain Research</i> , 2014, 1559, 65-71.	1.1	16
34	Methylene Blue Modulates β -Secretase, Reverses Cerebral Amyloidosis, and Improves Cognition in Transgenic Mice. <i>Journal of Biological Chemistry</i> , 2014, 289, 30303-30317.	1.6	43
35	Free Radical Scavenging Activity and Neuroprotective Potentials of D138, One Cu(II)/Zn(II) Schiff-Base Complex Derived from N,N'-bis(2-Hydroxynaphthylmethylidene)-1,3-propanediamine. <i>Neurochemical Research</i> , 2014, 39, 1834-1844.	1.6	9
36	Plasma and brain pharmacokinetics of previously unexplored lithium salts. <i>RSC Advances</i> , 2014, 4, 12362-12365.	1.7	14

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37	Chronic mild stress-induced changes of risk assessment behaviors in mice are prevented by chronic treatment with fluoxetine but not diazepam. <i>Pharmacology Biochemistry and Behavior</i> , 2014, 116, 116-128.	1.3	15
38	Association of Smoking and Alcohol Drinking with Dementia Risk Among Elderly Men in China. <i>Current Alzheimer Research</i> , 2014, 11, 1-1.	0.7	51
39	Potential Autoepitope within the Extracellular Region of Contactin-Associated Protein-like 2 in Mice. <i>British Journal of Medicine and Medical Research</i> , 2014, 4, 416-432.	0.2	1
40	GFAP expression and social deficits in transgenic mice overexpressing human sAPP β . <i>Glia</i> , 2013, 61, 1556-1569.	2.5	28
41	Immunity and Alzheimer's disease: immunological perspectives on the development of novel therapies. <i>Drug Discovery Today</i> , 2013, 18, 1212-1220.	3.2	39
42	Improving Lithium Therapeutics by Crystal Engineering of Novel Ionic Cocrystals. <i>Molecular Pharmaceutics</i> , 2013, 10, 4728-4738.	2.3	70
43	Crystal Engineering of Green Tea Epigallocatechin-3-gallate (EGCg) Cocrystals and Pharmacokinetic Modulation in Rats. <i>Molecular Pharmaceutics</i> , 2013, 10, 2948-2961.	2.3	76
44	Baicalein reduces β -amyloid and promotes nonamyloidogenic amyloid precursor protein processing in an Alzheimer's disease transgenic mouse model. <i>Journal of Neuroscience Research</i> , 2013, 91, 1239-1246.	1.3	91
45	Multiple Low-Dose Infusions of Human Umbilical Cord Blood Cells Improve Cognitive Impairments and Reduce Amyloid- β -Associated Neuropathology in Alzheimer Mice. <i>Stem Cells and Development</i> , 2013, 22, 412-421.	1.1	42
46	Microglia Activation as a Biomarker for Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2013, 4, 30.	1.1	219
47	Octyl Gallate Markedly Promotes Anti-Amyloidogenic Processing of APP through Estrogen Receptor-Mediated ADAM10 Activation. <i>PLoS ONE</i> , 2013, 8, e71913.	1.1	22
48	Ferulic Acid Is a Nutraceutical β -Secretase Modulator That Improves Behavioral Impairment and Alzheimer-like Pathology in Transgenic Mice. <i>PLoS ONE</i> , 2013, 8, e55774.	1.1	155
49	Green Tea (β)-Epigallocatechin-3-Gallate and Amyloid Precursor Protein. , 2013, , 1411-1423.		0
50	<i>Mycoplasma hyorhinis</i> markedly degrades β -amyloid peptides in vitro and ex vivo: a novel biological approach for treating Alzheimer's disease?. <i>American Journal of Translational Research</i> (discontinued), 2013, 5, 634-42.	0.0	1
51	Optimized Turmeric Extract Reduces β -Amyloid and Phosphorylated Tau Protein Burden in Alzheimer's Transgenic Mice. <i>Current Alzheimer Research</i> , 2012, 9, 500-506.	0.7	55
52	EVALUATION OF HOW CIGARETTE SMOKE IS A DIRECT RISK FACTOR FOR ALZHEIMER'S DISEASE. <i>Technology and Innovation</i> , 2012, 14, 39-48.	0.2	16
53	Nestin Overexpression Precedes Caspase-3 Upregulation in Rats Exposed to Controlled Cortical Impact Traumatic Brain Injury. <i>Cell Medicine</i> , 2012, 4, 55-63.	5.0	22
54	Soluble amyloid precursor protein- β modulates β -secretase activity and amyloid- β generation. <i>Nature Communications</i> , 2012, 3, 777.	5.8	140

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55	The immunology of traumatic brain injury: a prime target for Alzheimer's disease prevention. <i>Journal of Neuroinflammation</i> , 2012, 9, 185.	3.1	96
56	Immunotherapy for Alzheimer disease—the challenge of adverse effects. <i>Nature Reviews Neurology</i> , 2012, 8, 465-469.	4.9	107
57	Tannic Acid Is a Natural β -Secretase Inhibitor That Prevents Cognitive Impairment and Mitigates Alzheimer-like Pathology in Transgenic Mice. <i>Journal of Biological Chemistry</i> , 2012, 287, 6912-6927.	1.6	156
58	Aberrant T-cell lymphocyte development and function in mice overexpressing human soluble amyloid precursor protein β : implications for autism. <i>FASEB Journal</i> , 2012, 26, 1040-1051.	0.2	16
59	Autoreactive β antibodies promote APP β -secretase processing. <i>Journal of Neurochemistry</i> , 2012, 120, 732-740.	2.1	25
60	HIV-1 Tat-induced microglial activation and neuronal damage is inhibited via CD45 modulation: A potential new treatment target for HAND. <i>American Journal of Translational Research (discontinued)</i> , 2012, 4, 302-15.	0.0	18
61	The role of glycogen synthase kinase-3 signaling in neurodevelopment and fragile X syndrome. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2012, 4, 140-8.	0.8	18
62	The Treatment of Neurodegenerative Disorders Using Umbilical Cord Blood and Menstrual Blood-Derived Stem Cells. <i>Cell Transplantation</i> , 2011, 20, 85-94.	1.2	65
63	Melatonin treatment restores mitochondrial function in Alzheimer's mice: a mitochondrial protective role of melatonin membrane receptor signaling. <i>Journal of Pineal Research</i> , 2011, 51, 75-86.	3.4	147
64	Mutant presenilin-1 deregulated peripheral immunity exacerbates Alzheimer-like pathology. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 327-338.	1.6	12
65	Flipping the switches: CD40 and CD45 modulation of microglial activation states in HIV associated dementia (HAD). <i>Molecular Neurodegeneration</i> , 2011, 6, 3.	4.4	26
66	Antiretroviral medications disrupt microglial phagocytosis of β -amyloid and increase its production by neurons: Implications for HIV-associated neurocognitive disorders. <i>Molecular Brain</i> , 2011, 4, 23.	1.3	91
67	CD45 Deficiency Drives Amyloid- β Peptide Oligomers and Neuronal Loss in Alzheimer's Disease Mice. <i>Journal of Neuroscience</i> , 2011, 31, 1355-1365.	1.7	74
68	Green Tea Epigallocatechin-3-Gallate (EGCG) and Other Flavonoids Reduce Alzheimer's Amyloid-Induced Mitochondrial Dysfunction. <i>Journal of Alzheimer's Disease</i> , 2011, 26, 507-521.	1.2	156
69	Overexpression of human S100B exacerbates cerebral amyloidosis and gliosis in the Tg2576 mouse model of Alzheimer's disease. <i>Glia</i> , 2010, 58, 300-314.	2.5	176
70	EGCG functions through estrogen receptor-mediated activation of ADAM10 in the promotion of non-amyloidogenic processing of APP. <i>FEBS Letters</i> , 2010, 584, 4259-4267.	1.3	74
71	Nanolipidic particles improve the bioavailability and β -secretase inducing ability of epigallocatechin-3-gallate (EGCG) for the treatment of Alzheimer's disease. <i>International Journal of Pharmaceutics</i> , 2010, 389, 207-212.	2.6	256
72	The central role of T-cell memory in Alzheimer's disease vaccination. <i>Ageing Research</i> , 2010, 1, 5.	0.8	1

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73	Electromagnetic Field Treatment Protects Against and Reverses Cognitive Impairment in Alzheimer's Disease Mice. <i>Journal of Alzheimer's Disease</i> , 2010, 19, 191-210.	1.2	189
74	Maternal Immune Activation and Autism Spectrum Disorder: Interleukin-6 Signaling as a Key Mechanistic Pathway. <i>NeuroSignals</i> , 2010, 18, 113-128.	0.5	111
75	Fish oil enhances anti-amyloidogenic properties of green tea EGCG in Tg2576 mice. <i>Neuroscience Letters</i> , 2010, 471, 134-138.	1.0	76
76	Rapamycin promotes β -amyloid production via ADAM-10 inhibition. <i>Biochemical and Biophysical Research Communications</i> , 2010, 398, 337-341.	1.0	56
77	Mitochondrial Amyloid- β Levels are Associated with the Extent of Mitochondrial Dysfunction in Different Brain Regions and the Degree of Cognitive Impairment in Alzheimer's Transgenic Mice. <i>Journal of Alzheimer's Disease</i> , 2010, 20, S535-S550.	1.2	178
78	Spirulina Promotes Stem Cell Genesis and Protects against LPS Induced Declines in Neural Stem Cell Proliferation. <i>PLoS ONE</i> , 2010, 5, e10496.	1.1	52
79	Impact of the CD40-CD40L Dyad in Alzheimers Disease. <i>CNS and Neurological Disorders - Drug Targets</i> , 2010, 9, 149-155.	0.8	33
80	Optimized Turmeric Extracts have Potent Anti-Amyloidogenic Effects. <i>Current Alzheimer Research</i> , 2009, 6, 564-571.	0.7	55
81	Caffeine Reverses Cognitive Impairment and Decreases Brain Amyloid- β Levels in Aged Alzheimer's Disease Mice. <i>Journal of Alzheimer's Disease</i> , 2009, 17, 661-680.	1.2	270
82	Flavonoids, a prenatal prophylaxis via targeting JAK2/STAT3 signaling to oppose IL-6/MIA associated autism. <i>Journal of Neuroimmunology</i> , 2009, 217, 20-27.	1.1	95
83	Flavonoid-mediated presenilin-1 phosphorylation reduces Alzheimer's disease β -amyloid production. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 574-588.	1.6	129
84	HIV-1 Tat contributes to Alzheimer's disease-like pathology in PSAPP mice. <i>International Journal of Clinical and Experimental Pathology</i> , 2009, 2, 433-43.	0.5	37
85	Green Tea-EGCG reduces GFAP associated neuronal loss in HIV-1 Tat transgenic mice. <i>American Journal of Translational Research (discontinued)</i> , 2009, 1, 72-9.	0.0	18
86	Blocking TGF- β -Smad2/3 innate immune signaling mitigates Alzheimer-like pathology. <i>Nature Medicine</i> , 2008, 14, 681-687.	15.2	394
87	Green tea epigallocatechin-3-gallate (EGCG) reduces β -amyloid mediated cognitive impairment and modulates tau pathology in Alzheimer transgenic mice. <i>Brain Research</i> , 2008, 1214, 177-187.	1.1	401
88	Apigenin and luteolin modulate microglial activation via inhibition of STAT1-induced CD40 expression. <i>Journal of Neuroinflammation</i> , 2008, 5, 41.	3.1	175
89	Inflammaging as a prodrome to Alzheimer's disease. <i>Journal of Neuroinflammation</i> , 2008, 5, 51.	3.1	258
90	Peripherally Administered Human Umbilical Cord Blood Cells Reduce Parenchymal and Vascular β -Amyloid Deposits in Alzheimer Mice. <i>Stem Cells and Development</i> , 2008, 17, 423-440.	1.1	110

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91	Modulation of neuronal differentiation by CD40 isoforms. <i>Biochemical and Biophysical Research Communications</i> , 2008, 369, 641-647.	1.0	12
92	Blueberry Opposes $A\beta$ -Amyloid Peptide-Induced Microglial Activation Via Inhibition of p44/42 Mitogen-Activation Protein Kinase. <i>Rejuvenation Research</i> , 2008, 11, 891-901.	0.9	45
93	Overexpression of Human S100B Exacerbates Brain Damage and Periinfarct Gliosis After Permanent Focal Ischemia. <i>Stroke</i> , 2008, 39, 2114-2121.	1.0	76
94	CD45RB Is a Novel Molecular Therapeutic Target to Inhibit $A\beta$ Peptide-Induced Microglial MAPK Activation. <i>PLoS ONE</i> , 2008, 3, e2135.	1.1	21
95	HIV-1 TAT inhibits microglial phagocytosis of Abeta peptide. <i>International Journal of Clinical and Experimental Pathology</i> , 2008, 1, 260-75.	0.5	29
96	Peripheral biomarkers in Autism: secreted amyloid precursor protein-alpha as a probable key player in early diagnosis. <i>International Journal of Clinical and Experimental Medicine</i> , 2008, 1, 338-44.	1.3	49
97	Transcutaneous beta-amyloid immunization reduces cerebral beta-amyloid deposits without T cell infiltration and microhemorrhage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 2507-2512.	3.3	70
98	Enhanced cognitive activity over and above social or physical activity is required to protect Alzheimer's mice against cognitive impairment, reduce $A\beta$ deposition, and increase synaptic immunoreactivity. <i>Neurobiology of Learning and Memory</i> , 2007, 88, 277-294.	1.0	137
99	Oxidative Stress of Neural, Hematopoietic, and Stem Cells: Protection by Natural Compounds. <i>Rejuvenation Research</i> , 2007, 10, 173-178.	0.9	36
100	Neuroprotection of Green Tea Derived EGCG: Implications for HIV associated dementia. <i>FASEB Journal</i> , 2007, 21, A1175.	0.2	0
101	Nutraceuticals Synergistically Promote Proliferation of Human Stem Cells. <i>Stem Cells and Development</i> , 2006, 15, 118-123.	1.1	67
102	EGCG mitigates neurotoxicity mediated by HIV-1 proteins gp120 and Tat in the presence of IFN- β : Role of JAK/STAT1 signaling and implications for HIV-associated dementia. <i>Brain Research</i> , 2006, 1123, 216-225.	1.1	69
103	In Vitro Techniques. , 2006, , 201-378.		2
104	Arundic Acid Ameliorates Cerebral Amyloidosis and Gliosis in Alzheimer Transgenic Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 318, 571-578.	1.3	63
105	Microglia Recognize Double-Stranded RNA via TLR3. <i>Journal of Immunology</i> , 2006, 176, 3804-3812.	0.4	174
106	ADAM10 Activation Is Required for Green Tea (EGCG)-Epigallocatechin-3-gallate-induced β -Secretase Cleavage of Amyloid Precursor Protein. <i>Journal of Biological Chemistry</i> , 2006, 281, 16419-16427.	1.6	186
107	T-Cells in Alzheimer's Disease. <i>NeuroMolecular Medicine</i> , 2005, 7, 255-264.	1.8	167
108	Modulation of Astrocytic Activation by Arundic Acid (ONO-2506) Mitigates Detrimental Effects of the Apolipoprotein E4 Isoform after Permanent Focal Ischemia in Apolipoprotein E Knock-in Mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, 748-762.	2.4	20

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109	CD40 signaling regulates innate and adaptive activation of microglia in response to amyloid β -peptide. <i>European Journal of Immunology</i> , 2005, 35, 901-910.	1.6	115
110	Green Tea Epigallocatechin-3-Gallate (EGCG) Modulates Amyloid Precursor Protein Cleavage and Reduces Cerebral Amyloidosis in Alzheimer Transgenic Mice. <i>Journal of Neuroscience</i> , 2005, 25, 8807-8814.	1.7	620
111	The microglial "activation" continuum: from innate to adaptive responses. <i>Journal of Neuroinflammation</i> , 2005, 2, 24.	3.1	376
112	Stimulation of cannabinoid receptor 2 (CB2) suppresses microglial activation. <i>Journal of Neuroinflammation</i> , 2005, 2, 29.	3.1	305
113	Augmented Delayed Infarct Expansion and Reactive Astrocytosis after Permanent Focal Ischemia in Apolipoprotein E4 Knock-In Mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2004, 24, 646-656.	2.4	20
114	Behavioral effects of CD40 \leftrightarrow CD40L pathway disruption in aged PSAPP mice. <i>Brain Research</i> , 2004, 1015, 161-168.	1.1	37
115	Cholinergic modulation of microglial activation by $\alpha 7$ nicotinic receptors. <i>Journal of Neurochemistry</i> , 2004, 89, 337-343.	2.1	498
116	Lovastatin modulation of microglial activation via suppression of functional CD40 expression. <i>Journal of Neuroscience Research</i> , 2004, 78, 167-176.	1.3	46
117	CD45 isoform RB as a molecular target to oppose lipopolysaccharide-induced microglial activation in mice. <i>Neuroscience Letters</i> , 2004, 362, 26-30.	1.0	19
118	Neuronal expression of CD22: Novel mechanism for inhibiting microglial proinflammatory cytokine production. <i>Glia</i> , 2004, 46, 369-379.	2.5	159
119	CD40 \leftrightarrow CD40L interaction in Alzheimer's disease. <i>Current Opinion in Pharmacology</i> , 2002, 2, 445-451.	1.7	48
120	Reduced Th1 and enhanced Th2 immunity after immunization with Alzheimer's β -amyloid1 \leftrightarrow 42. <i>Journal of Neuroimmunology</i> , 2002, 132, 49-59.	1.1	76
121	CD45 isoform alteration in CD4+ T cells as a potential diagnostic marker of Alzheimer's disease. <i>Journal of Neuroimmunology</i> , 2002, 132, 164-172.	1.1	52
122	p35/Cdk5 pathway mediates soluble amyloid- β peptide-induced tau phosphorylation in vitro. <i>Journal of Neuroscience Research</i> , 2002, 69, 362-372.	1.3	91
123	Role of CD40 ligand in amyloidosis in transgenic Alzheimer's mice. <i>Nature Neuroscience</i> , 2002, 5, 1288-1293.	7.1	196
124	CD40 is expressed and functional on neuronal cells. <i>EMBO Journal</i> , 2002, 21, 643-652.	3.5	108
125	CD40 signaling and Alzheimer's disease pathogenesis. <i>Neurochemistry International</i> , 2001, 39, 371-380.	1.9	60
126	Characterization of murine immunoglobulin G antibodies against human amyloid- β 1 \leftrightarrow 42. <i>Neuroscience Letters</i> , 2001, 307, 101-104.	1.0	73

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127	CD45 Opposes β -Amyloid Peptide-Induced Microglial Activation via Inhibition of p44/42 Mitogen-Activated Protein Kinase. <i>Journal of Neuroscience</i> , 2000, 20, 7587-7594.	1.7	127
128	CD45 Inhibits CD40L-induced Microglial Activation via Negative Regulation of the Src/p44/42 MAPK Pathway. <i>Journal of Biological Chemistry</i> , 2000, 275, 37224-37231.	1.6	82
129	Activation of microglial cells by the CD40 pathway: relevance to multiple sclerosis. <i>Journal of Neuroimmunology</i> , 1999, 97, 77-85.	1.1	73
130	Alzheimers disease is not associated with the hypertension genetic risk factors PLA2 or G protein β 3, either independently or interactively with apolipoprotein e. <i>American Journal of Medical Genetics Part A</i> , 1999, 88, 465-468.	2.4	4
131	Alzheimer's β -amyloid peptides induce inflammatory cascade in human vascular cells: the roles of cytokines and CD40. <i>Brain Research</i> , 1998, 807, 110-117.	1.1	109
132	Interferon- γ -Inducing Factor Elicits Antitumor Immunity Association with Interferon- γ Production. <i>Journal of Immunotherapy</i> , 1998, 21, 48-55.	1.2	35