

# Guo-Wei Huang

## List of Publications by Year in descending order

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Version: 2024-02-01

114  
papers

3,527  
citations

147801

31  
h-index

175258

52  
g-index

123  
all docs

123  
docs citations

123  
times ranked

5521  
citing authors

#	ARTICLE	IF	CITATIONS
1	Association of dietary inflammatory index and leukocyte telomere length with mild cognitive impairment in Chinese older adults. <i>Nutritional Neuroscience</i> , 2023, 26, 50-59.	3.1	7
2	Environmental correlates of sedentary behaviors and physical activity in Chinese preschool children: A cross-sectional study. <i>Journal of Sport and Health Science</i> , 2022, 11, 620-629.	6.5	11
3	Association between methionine cycle metabolite-related diets and mild cognitive impairment in older Chinese adults: a population-based observational study. <i>Nutritional Neuroscience</i> , 2022, 25, 1495-1508.	3.1	4
4	Alleviating Oxidative Damage-Induced Telomere Attrition: a Potential Mechanism for Inhibition by Folic Acid of Apoptosis in Neural Stem Cells. <i>Molecular Neurobiology</i> , 2022, 59, 590-602.	4.0	7
5	Association between marital status and cognitive impairment based on a cross-sectional study in China. <i>International Journal of Geriatric Psychiatry</i> , 2022, 37, .	2.7	6
6	Population-attributable fractions of risk factors for all-cause dementia in China rural and urban areas: a cross-sectional study. <i>Journal of Neurology</i> , 2022, 269, 3147-3158.	3.6	18
7	Apolipoprotein E polymorphism stratified longitudinal association between daytime naps, sleep apnea and mild cognitive impairment: A prospective cohort study. <i>European Journal of Neurology</i> , 2022, 29, 1385-1393.	3.3	4
8	Circulating folate concentrations and the risk of mild cognitive impairment: A prospective study on the older Chinese population without folic acid fortification. <i>European Journal of Neurology</i> , 2022, 29, 2913-2924.	3.3	4
9	Early Life Stage Folic Acid Deficiency Delays the Neurobehavioral Development and Cognitive Function of Rat Offspring by Hindering De Novo Telomere Synthesis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6948.	4.1	3
10	Effect of folic acid combined with docosahexaenoic acid intervention on mild cognitive impairment in elderly: a randomized double-blind, placebo-controlled trial. <i>European Journal of Nutrition</i> , 2021, 60, 1795-1808.	3.9	25
11	Effects of Folic Acid and Vitamin B12 Supplementation on Cognitive Impairment and Inflammation in Patients with Alzheimer's Disease: A Randomized, Single-Blinded, Placebo-Controlled Trial. <i>Journal of prevention of Alzheimer's disease</i> , The, 2021, 8, 1-8.	2.7	26
12	Maternal folic acid impacts DNA methylation profile in male rat offspring implicated in neurodevelopment and learning/memory abilities. <i>Genes and Nutrition</i> , 2021, 16, 1.	2.5	17
13	Baseline folic acid status affects the effectiveness of folic acid supplements in cognitively relevant outcomes in older adults: a systematic review. <i>Aging and Mental Health</i> , 2021, , 1-8.	2.8	1
14	Early 1,25-Dihydroxyvitamin D <sub>3</sub> Supplementation Effectively Lowers the Incidence of Type 2 Diabetes Mellitus via Ameliorating Inflammation In KK-A <sup>y</sup> Mice. <i>Journal of Nutritional Science and Vitaminology</i> , 2021, 67, 84-90.	0.6	4
15	Interactions Between Handgrip Strength and Serum Folate and Homocysteine Levels on Cognitive Function in the Elderly Chinese Population. <i>Journal of Alzheimer's Disease</i> , 2021, 80, 1503-1513.	2.6	2
16	Gender-specific prevalence and influencing factors of depression in elderly in rural China: A cross-sectional study. <i>Journal of Affective Disorders</i> , 2021, 288, 99-106.	4.1	26
17	Folic Acid Inhibits Aging-Induced Telomere Attrition and Apoptosis in Astrocytes In Vivo and In Vitro. <i>Cerebral Cortex</i> , 2021, , .	2.9	10
18	Association of Dietary Habits with Mild Cognitive Impairment among Elderly in Rural Area of North China. <i>Current Alzheimer Research</i> , 2021, 18, 256-264.	1.4	3

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19	Folic acid alleviates age-related cognitive decline and inhibits apoptosis of neurocytes in senescence-accelerated mouse prone 8: deoxythymidine triphosphate biosynthesis as a potential mechanism. <i>Journal of Nutritional Biochemistry</i> , 2021, 97, 108796.	4.2	9
20	Effects of maternal folic acid supplementation during pregnancy on infant neurodevelopment at 1Åmonth of age: a birth cohort study in China. <i>European Journal of Nutrition</i> , 2020, 59, 1345-1356.	3.9	9
21	Relationship between folate, vitamin B<sub>12</sub>, homocysteine, transaminase and mild cognitive impairment in China: a case-control study. <i>International Journal of Food Sciences and Nutrition</i> , 2020, 71, 315-324.	2.8	16
22	Association between dietary patterns during the third trimester and the risk of postpartum depression in China. <i>Journal of Affective Disorders</i> , 2020, 264, 370-375.	4.1	11
23	Folic Acid Decreases Astrocyte Apoptosis by Preventing Oxidative Stress-Induced Telomere Attrition. <i>International Journal of Molecular Sciences</i> , 2020, 21, 62.	4.1	25
24	The clinical characteristics and subtypes of patients with cognitive impairment in memory clinic. <i>Journal of Clinical Neuroscience</i> , 2020, 82, 186-191.	1.5	5
25	Age- and Sex-Specific Prevalence and Modifiable Risk Factors of Mild Cognitive Impairment Among Older Adults in China: A Population-Based Observational Study. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 578742.	3.4	14
26	Association of Neutrophil-Lymphocyte Ratio with Mild Cognitive Impairment in Elderly Chinese Adults: A Case-control Study. <i>Current Alzheimer Research</i> , 2020, 16, 1309-1315.	1.4	36
27	Maternal Folic Acid Supplementation During Pregnancy Promotes Neurogenesis and Synaptogenesis in Neonatal Rat Offspring. <i>Cerebral Cortex</i> , 2019, 29, 3390-3397.	2.9	18
28	Association of Leukocyte Telomere Length with Mild Cognitive Impairment and Alzheimerâ€™s Disease: Role of Folate and Homocysteine. <i>Dementia and Geriatric Cognitive Disorders</i> , 2019, 48, 56-67.	1.5	17
29	Association of Folate Metabolites and Mitochondrial Function in Peripheral Blood Cells in Alzheimerâ€™s Disease: A Matched Case-Control Study. <i>Journal of Alzheimer's Disease</i> , 2019, 70, 1133-1142.	2.6	13
30	Relationship between inflammatory markers and mild cognitive impairment in Chinese patients with type 2 diabetes: a case-control study. <i>BMC Endocrine Disorders</i> , 2019, 19, 73.	2.2	23
31	Physical activity patterns by objective measurements in preschoolers from China. <i>Child and Adolescent Obesity</i> , 2019, 2, 1-17.	1.3	6
32	Folic acid deficiency enhanced microglial immune response via the Notch1/nuclear factor kappa B p65 pathway in hippocampus following rat brain I/R injury and BV2 cells. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 4795-4807.	3.6	29
33	Fasudil may induce the differentiation of bone marrow mesenchymal stem cells into neuronâ€™like cells via the Wnt/ $\beta$ -catenin pathway. <i>Molecular Medicine Reports</i> , 2019, 19, 3095-3104.	2.4	12
34	Effects of Folic Acid and Vitamin B12, Alone and in Combination on Cognitive Function and Inflammatory Factors in the Elderly with Mild Cognitive Impairment: A Single-blind Experimental Design. <i>Current Alzheimer Research</i> , 2019, 16, 622-632.	1.4	58
35	Antibody recognition by a novel microgel photonic crystal. <i>Bioorganic Chemistry</i> , 2019, 84, 389-393.	4.1	6
36	Maternal folic acid deficiency stimulates neural cell apoptosis via miRâ€³4a associated with Bclâ€² in the rat foetal brain. <i>International Journal of Developmental Neuroscience</i> , 2019, 72, 6-12.	1.6	17

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37	Association between serum cholesterol levels and Alzheimer's disease in China: a case-control study. <i>International Journal of Food Sciences and Nutrition</i> , 2019, 70, 405-411.	2.8	32
38	Effects of folic acid supplementation on cognitive function and A $\beta$ -related biomarkers in mild cognitive impairment: a randomized controlled trial. <i>European Journal of Nutrition</i> , 2019, 58, 345-356.	3.9	55
39	A novel photonic sensor for the detection of chloramphenicol. <i>Arabian Journal of Chemistry</i> , 2019, 12, 4398-4406.	4.9	17
40	Folic acid delays age-related cognitive decline in senescence-accelerated mouse prone 8: alleviating telomere attrition as a potential mechanism. <i>Aging</i> , 2019, 11, 10356-10373.	3.1	17
41	Folic acid inhibits homocysteine-induced cell apoptosis in human umbilical vein endothelial cells. <i>Molecular and Cellular Biochemistry</i> , 2018, 444, 77-86.	3.1	22
42	Maternal Folic Acid Supplementation During Pregnancy Improves Neurobehavioral Development in Rat Offspring. <i>Molecular Neurobiology</i> , 2018, 55, 2676-2684.	4.0	25
43	Comparison of the Outcomes of Three Different Nutritional Supports in Patients with Oral and Maxillofacial Malignant Tumors following Surgery. <i>Evidence-based Complementary and Alternative Medicine</i> , 2018, 2018, 1-11.	1.2	1
44	Effect of Vitamin D Supplementation on Some Inflammatory Biomarkers in Type 2 Diabetes Mellitus Subjects: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. <i>Annals of Nutrition and Metabolism</i> , 2018, 73, 62-73.	1.9	59
45	Periconceptional Folic Acid Supplementation Benefit to Development of Early Sensory-Motor Function through Increase DNA Methylation in Rat Offspring. <i>Nutrients</i> , 2018, 10, 292.	4.1	25
46	Folic acid modulates VPO1 DNA methylation levels and alleviates oxidative stress-induced apoptosis in vivo and in vitro. <i>Redox Biology</i> , 2018, 19, 81-91.	9.0	51
47	Association of serum 25-hydroxyvitamin D 3 with adipokines and inflammatory marker in persons with prediabetes mellitus. <i>Clinica Chimica Acta</i> , 2017, 468, 152-158.	1.1	19
48	A sensitive immunoassay for parathion based on covalent linkage between small molecules hapten microtiter plates surface. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 257-268.	2.2	0
49	Elevated serum complement C3 levels are associated with prehypertension in an adult population. <i>Clinical and Experimental Hypertension</i> , 2017, 39, 42-49.	1.3	15
50	Inhibitory effect of homocysteine on rat neural stem cell growth in vitro is associated with reduced protein levels and enzymatic activities of aconitase and respiratory complex III. <i>Journal of Bioenergetics and Biomembranes</i> , 2017, 49, 131-138.	2.3	9
51	Response: Factors Associated with Frontotemporal Dementia in China: A Cross-sectional Study. <i>Archives of Medical Research</i> , 2017, 48, 304.	3.3	0
52	Effects of protease-treated royal jelly on muscle strength in elderly nursing home residents: A randomized, double-blind, placebo-controlled, dose-response study. <i>Scientific Reports</i> , 2017, 7, 11416.	3.3	17
53	Homocysteine induces mitochondrial dysfunction involving the crosstalk between oxidative stress and mitochondrial pSTAT3 in rat ischemic brain. <i>Scientific Reports</i> , 2017, 7, 6932.	3.3	45
54	The relationship between S-adenosylhomocysteine and coronary artery lesions: A case control study. <i>Clinica Chimica Acta</i> , 2017, 471, 314-320.	1.1	15

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55	Factors of physical activity among Chinese children and adolescents: a systematic review. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2017, 14, 36.	4.6	96
56	Plasma Homocysteine and Serum Folate and Vitamin B12 Levels in Mild Cognitive Impairment and Alzheimer's Disease: A Case-Control Study. <i>Nutrients</i> , 2017, 9, 725.	4.1	85
57	Association between Duration of Folic Acid Supplementation during Pregnancy and Risk of Postpartum Depression. <i>Nutrients</i> , 2017, 9, 1206.	4.1	45
58	Folic Acid Reduces Tau Phosphorylation by Regulating PP2A Methylation in Streptozotocin-Induced Diabetic Mice. <i>International Journal of Molecular Sciences</i> , 2017, 18, 861.	4.1	12
59	Folic Acid Supplementation Delays Atherosclerotic Lesion Development by Modulating MCP1 and VEGF DNA Methylation Levels In Vivo and In Vitro. <i>International Journal of Molecular Sciences</i> , 2017, 18, 990.	4.1	37
60	Homocysteine exaggerates microglia activation and neuroinflammation through microglia localized STAT3 overactivation following ischemic stroke. <i>Journal of Neuroinflammation</i> , 2017, 14, 187.	7.2	149
61	Folic acid attenuates homocysteine and enhances antioxidative capacity in atherosclerotic rats. <i>Applied Physiology, Nutrition and Metabolism</i> , 2017, 42, 1015-1022.	1.9	13
62	Effectiveness of Antibiotic Use Management in Tianjin (2011–2013): A Quasi-Experimental Study. <i>Medical Science Monitor</i> , 2017, 23, 725-731.	1.1	4
63	Folic Acid Supplementation Mitigates Alzheimer's Disease by Reducing Inflammation: A Randomized Controlled Trial. <i>Mediators of Inflammation</i> , 2016, 2016, 1-10.	3.0	119
64	Associations of Serum Manganese Levels with Prediabetes and Diabetes among ≥60-Year-Old Chinese Adults: A Population-Based Cross-Sectional Analysis. <i>Nutrients</i> , 2016, 8, 497.	4.1	25
65	Dietary patterns and changes in cardiovascular risk factors in apparently healthy Chinese women: a longitudinal study. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2016, 58, 232-239.	1.4	8
66	Effects of Folic Acid on Secretases Involved in A $\beta$ Deposition in APP/PS1 Mice. <i>Nutrients</i> , 2016, 8, 556.	4.1	19
67	Homocysteine Aggravates Cortical Neural Cell Injury through Neuronal Autophagy Overactivation following Rat Cerebral Ischemia-Reperfusion. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1196.	4.1	55
68	Dietary Changes over 25 Years in Tianjin Residents: Findings from the 1986–1988, 2000–2004, and 2008–2011 Nutrition Surveys. <i>Nutrients</i> , 2016, 8, 62.	4.1	4
69	Association between dietary patterns and metabolic syndrome in Chinese adults: a propensity score-matched case-control study. <i>Scientific Reports</i> , 2016, 6, 34748.	3.3	13
70	Relationship between plasma lipids and mild cognitive impairment in the elderly Chinese: a case-control study. <i>Lipids in Health and Disease</i> , 2016, 15, 146.	3.0	62
71	P4-369: Folic Acid Modulate Presenilin 1 Inhibits Amyloid $\beta$ -Peptide Production in N2A-App Cells. , 2016, 12, P1178-P1178.		0
72	Serum levels of immunoglobulins in an adult population and their relationship with type 2 diabetes. <i>Diabetes Research and Clinical Practice</i> , 2016, 115, 76-82.	2.8	28

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73	The overall computer/mobile devices usage time is related to newly diagnosed non-alcoholic fatty liver disease: a population-based study. <i>Annals of Medicine</i> , 2016, 48, 568-576.	3.8	10
74	Folic acid deficiency increases brain cell injury via autophagy enhancement after focal cerebral ischemia. <i>Journal of Nutritional Biochemistry</i> , 2016, 38, 41-49.	4.2	28
75	A novel enrichment imprinted crystalline colloidal array for the ultratrace detection of chloramphenicol. <i>Talanta</i> , 2016, 161, 1-7.	5.5	20
76	The predictive value of mean serum uric acid levels for developing prediabetes. <i>Diabetes Research and Clinical Practice</i> , 2016, 118, 79-89.	2.8	11
77	Folic acid supplementation improves cognitive function by reducing the levels of peripheral inflammatory cytokines in elderly Chinese subjects with MCI. <i>Scientific Reports</i> , 2016, 6, 37486.	3.3	65
78	A highly sensitive immunoassay for atrazine based on covalently linking the small molecule hapten to a urea-glutaraldehyde network on a polystyrene surface. <i>International Immunopharmacology</i> , 2016, 40, 480-486.	3.8	11
79	Factors Associated with Frontotemporal Dementia in China: A Cross-Sectional Study. <i>Archives of Medical Research</i> , 2016, 47, 388-393.	3.3	5
80	Folic Acid Alters Methylation Profile of JAK-STAT and Long-Term Depression Signaling Pathways in Alzheimer's Disease Models. <i>Molecular Neurobiology</i> , 2016, 53, 6548-6556.	4.0	27
81	Comparison of the effect of high fruit and soybean products diet and standard diet interventions on serum uric acid in asymptomatic hyperuricemia adults: an open randomized controlled trial. <i>International Journal of Food Sciences and Nutrition</i> , 2016, 67, 335-343.	2.8	15
82	The prevalence of mild cognitive impairment with type 2 diabetes mellitus among elderly people in China: A cross-sectional study. <i>Archives of Gerontology and Geriatrics</i> , 2016, 62, 138-142.	3.0	61
83	Effects of 6-Month Folic Acid Supplementation on Cognitive Function and Blood Biomarkers in Mild Cognitive Impairment: A Randomized Controlled Trial in China. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 1376-1383.	3.6	43
84	Folic acid attenuates the effects of amyloid $\beta$ oligomers on DNA methylation in neuronal cells. <i>European Journal of Nutrition</i> , 2016, 55, 1849-1862.	3.9	19
85	Higher visceral fat area increases the risk of vitamin D insufficiency and deficiency in Chinese adults. <i>Nutrition and Metabolism</i> , 2015, 12, 50.	3.0	31
86	Associations between Dietary Patterns and Impaired Fasting Glucose in Chinese Men: A Cross-Sectional Study. <i>Nutrients</i> , 2015, 7, 8072-8089.	4.1	20
87	Folic Acid Inhibits Amyloid $\beta$ -Peptide Production through Modulating DNA Methyltransferase Activity in N2a-APP Cells. <i>International Journal of Molecular Sciences</i> , 2015, 16, 25002-25013.	4.1	27
88	Associations between Alzheimer's Disease and Blood Homocysteine, Vitamin B <sub>12</sub> , and Folate: A Case-Control Study. <i>Current Alzheimer Research</i> , 2015, 12, 88-94.	1.4	45
89	Expression of L1 protein correlates with cluster of differentiation 24 and integrin $\beta$ 1 expression in gastrointestinal stromal tumors. <i>Oncology Letters</i> , 2015, 9, 2595-2602.	1.8	5
90	Folic acid administration inhibits amyloid $\beta$ -peptide accumulation in APP/PS1 transgenic mice. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 883-891.	4.2	46

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91	Molecular imprinted opal closest-packing photonic crystals for the detection of trace 17 $\beta$ -estradiol in aqueous solution. <i>Talanta</i> , 2015, 144, 157-162.	5.5	27
92	Folic acid inhibits tau phosphorylation through regulation of PP2A methylation in SH-SY5Y cells. <i>Journal of Nutrition, Health and Aging</i> , 2015, 19, 123-129.	3.3	30
93	The characteristic of cognitive function in Type 2 diabetes mellitus. <i>Diabetes Research and Clinical Practice</i> , 2015, 109, 299-305.	2.8	41
94	Effect of beta-hydroxy-beta-methylbutyrate supplementation on muscle loss in older adults: A systematic review and meta-analysis. <i>Archives of Gerontology and Geriatrics</i> , 2015, 61, 168-175.	3.0	101
95	Folic acid deficiency enhances abeta accumulation in APP/PS1 mice brain and decreases amyloid-associated miRNAs expression. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 1502-1508.	4.2	35
96	Trends in the Prevalence of Overweight and Obesity among Chinese Preschool Children from 2006 to 2014. <i>PLoS ONE</i> , 2015, 10, e0134466.	2.5	35
97	The association between breastfeeding and childhood obesity: a meta-analysis. <i>BMC Public Health</i> , 2014, 14, 1267.	2.9	488
98	Homocysteine induces cytotoxicity and proliferation inhibition in neural stem cells via DNA methylation in vitro. <i>FEBS Journal</i> , 2014, 281, 2088-2096.	4.7	60
99	Coffee treatment prevents the progression of sarcopenia in aged mice in vivo and in vitro. <i>Experimental Gerontology</i> , 2014, 50, 1-8.	2.8	37
100	Maternal high-fat diet affects Msi/Notch/Hes signaling in neural stem cells of offspring mice. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 227-231.	4.2	28
101	Folic acid stimulation of neural stem cell proliferation is associated with altered methylation profile of PI3K/Akt/CREB. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 496-502.	4.2	45
102	Conversion of Mild Cognitive Impairment to Dementia among Subjects with Diabetes: A Population-Based Study of Incidence and Risk Factors with Five Years of Follow-up. <i>Journal of Alzheimer's Disease</i> , 2014, 43, 1441-1449.	2.6	71
103	Relationship between blood levels of methyl donor and folate and mild cognitive impairment in Chinese patients with type 2 diabetes: a case-control study. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2014, 54, 122-128.	1.4	16
104	DNA methyltransferase mediates dose-dependent stimulation of neural stem cell proliferation by folate. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 1295-1301.	4.2	32
105	Effects of Homocysteine on ERK Signaling and Cell Proliferation in Fetal Neural Stem Cells In Vitro. <i>Cell Biochemistry and Biophysics</i> , 2013, 66, 131-137.	1.8	14
106	An imprinted crystalline colloidal array chemical-sensing material for detection of trace diethylstilbestrol. <i>Analyst</i> , 2013, 138, 2720.	3.5	22
107	Folic Acid Acts Through DNA Methyltransferases to Induce the Differentiation of Neural Stem Cells into Neurons. <i>Cell Biochemistry and Biophysics</i> , 2013, 66, 559-566.	1.8	36
108	Attitude and requirement for Health Emergency Curriculum among medical students. , 2012, , .		0

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109	Folic acid enhances Notch signaling, hippocampal neurogenesis, and cognitive function in a rat model of cerebral ischemia. <i>Nutritional Neuroscience</i> , 2012, 15, 55-61.	3.1	56
110	Major Dietary Patterns and Risk of Asymptomatic Hyperuricemia in Chinese Adults. <i>Journal of Nutritional Science and Vitaminology</i> , 2012, 58, 339-345.	0.6	20
111	Folate stimulates ERK1/2 phosphorylation and cell proliferation in fetal neural stem cells. <i>Nutritional Neuroscience</i> , 2009, 12, 226-232.	3.1	50
112	Effects of Folate on Notch Signaling and Cell Proliferation in Neural Stem Cells of Neonatal Rats In Vitro. <i>Journal of Nutritional Science and Vitaminology</i> , 2008, 54, 353-356.	0.6	31
113	The Impact of Ovarian Cancer on Life Expectancy in Japan. <i>Journal of Applied Statistics</i> , 2007, 34, 741-747.	1.3	1
114	Activation of catechol-O-methyltransferase in astrocytes stimulates homocysteine synthesis and export to neurons. <i>Glia</i> , 2005, 51, 47-55.	4.9	38