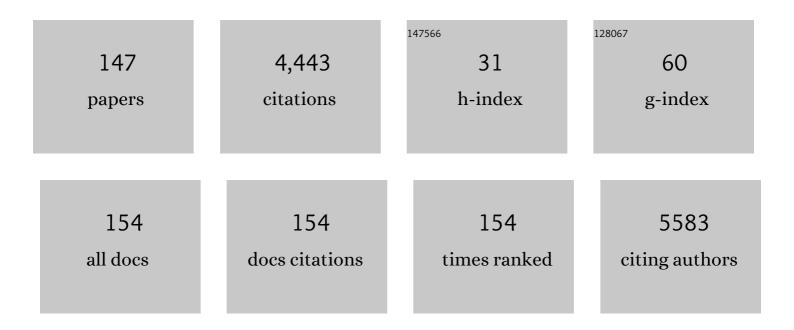
Seong-Ho Koh

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Neuroinflammation in neurodegenerative disorders: the roles of microglia and astrocytes. Translational Neurodegeneration, 2020, 9, 42.	3.6	883
2	Implantation of human umbilical cord-derived mesenchymal stem cells as a neuroprotective therapy for ischemic stroke in rats. Brain Research, 2008, 1229, 233-248.	1.1	203
3	Neurogenesis in Stroke Recovery. Translational Stroke Research, 2017, 8, 3-13.	2.3	162
4	Epigallocatechin gallate protects nerve growth factor differentiated PC12 cells from oxidative-radical-stress-induced apoptosis through its effect on phosphoinositide 3-kinase/Akt and glycogen synthase kinase-3. Molecular Brain Research, 2003, 118, 72-81.	2.5	143
5	The effect of epigallocatechin gallate on suppressing disease progression of ALS model mice. Neuroscience Letters, 2006, 395, 103-107.	1.0	133
6	Dual effects of carbon monoxide on pericytes and neurogenesis in traumatic brain injury. Nature Medicine, 2016, 22, 1335-1341.	15.2	123
7	Neuroprotective effects of donepezil through inhibition of CSKâ€3 activity in amyloidâ€Î²â€induced neuronal cell death. Journal of Neurochemistry, 2009, 108, 1116-1125.	2.1	122
8	Amyloid-beta-induced neurotoxicity is reduced by inhibition of glycogen synthase kinase-3. Brain Research, 2008, 1188, 254-262.	1.1	114
9	The effect of PARP inhibitor on ischaemic cell death, its related inflammation and survival signals. European Journal of Neuroscience, 2004, 20, 1461-1472.	1.2	91
10	Phosphatidylinositol-3 Kinase/Akt and GSK-3 Mediated Cytoprotective Effect of Epigallocatechin Gallate on Oxidative Stress-Injured Neuronal-Differentiated N18D3 Cells. NeuroToxicology, 2004, 25, 793-802.	1.4	85
11	Efficacy of early administration of escitalopram on depressive and emotional symptoms and neurological dysfunction after stroke: a multicentre, double-blind, randomised, placebo-controlled study. Lancet Psychiatry,the, 2017, 4, 33-41.	3.7	85
12	Glycogen synthase kinase-3β activity plays very important roles in determining the fate of oxidative stress-inflicted neuronal cells. Brain Research, 2007, 1129, 89-99.	1.1	76
13	Biological Markers of Mesenchymal Stromal Cells as Predictors of Response to Autologous Stem Cell Transplantation in Patients With Amyotrophic Lateral Sclerosis: An Investigator-Initiated Trial and In Vivo Study. Stem Cells, 2014, 32, 2724-2731.	1.4	74

14

The Role of the PI3K Pathway in the Regeneration of the Damaged Brain by Neural Stem Cells after

#	Article	IF	CITATIONS
19	Role of GSK-3β activity in motor neuronal cell death induced by G93A or A4V mutant hSOD1 gene. European Journal of Neuroscience, 2005, 22, 301-309.	1.2	58
20	Erythropoietin Increases the Motility of Human Bone Marrow-Multipotent Stromal Cells (hBM-MSCs) and Enhances the Production of Neurotrophic Factors From hBM-MSCs. Stem Cells and Development, 2009, 18, 411-422.	1.1	56
21	The novel vaccine peptide GV1001 effectively blocks β-amyloid toxicity by mimicking the extra-telomeric functions of human telomerase reverse transcriptase. Neurobiology of Aging, 2014, 35, 1255-1274.	1.5	55
22	Effect of 3-aminobenzamide, PARP inhibitor, on matrix metalloproteinase-9 level in plasma and brain of ischemic stroke model. Toxicology, 2005, 214, 131-139.	2.0	53
23	The advantage of high-resolution MRI in evaluating basilar plaques: A comparison study with MRA. Atherosclerosis, 2012, 224, 411-416.	0.4	53
24	The neuroprotective effect of erythropoietin-transduced human mesenchymal stromal cells in an an an an an an an	1.1	49
25	The functional deficiency of bone marrow mesenchymal stromal cells in ALS patients is proportional to disease progression rate. Experimental Neurology, 2012, 233, 472-480.	2.0	47
26	Phosphatidylinositol-3-kinase activation blocks amyloid beta-induced neurotoxicity. Toxicology, 2008, 243, 43-50.	2.0	46
27	Recombinant human erythropoietin suppresses symptom onset and progression of G93A-SOD1 mouse model of ALS by preventing motor neuron death and inflammation. European Journal of Neuroscience, 2007, 25, 1923-1930.	1.2	42
28	Repair Mechanisms of the Neurovascular Unit after Ischemic Stroke with a Focus on VEGF. International Journal of Molecular Sciences, 2021, 22, 8543.	1.8	37
29	Inhibition of GSK-3 reduces infarct volume and improves neurobehavioral functions. Biochemical and Biophysical Research Communications, 2008, 371, 894-899.	1.0	36
30	The Role of Matrix Metalloproteinase 9 in Early Neurological Worsening of Acute Lacunar Infarction. European Neurology, 2006, 55, 11-15.	0.6	34
31	Hypoxia/Reoxygenation-Preconditioned Human Bone Marrow-Derived Mesenchymal Stromal Cells Rescue Ischemic Rat Cortical Neurons by Enhancing Trophic Factor Release. Molecular Neurobiology, 2015, 52, 792-803.	1.9	34
32	Neural stem cells injured by oxidative stress can be rejuvenated by GV1001, a novel peptide, through scavenging free radicals and enhancing survival signals. NeuroToxicology, 2016, 55, 131-141.	1.4	34
33	1,25-dyhydroxyvitamin D3 Attenuates l-DOPA-Induced Neurotoxicity in Neural Stem Cells. Molecular Neurobiology, 2015, 51, 558-570.	1.9	31
34	Ultrasensitive Fluorescence Detection of Alzheimer's Disease Based on Polyvalent Directed Peptide Polymer Coupled to a Nanoporous ZnO Nanoplatform. Analytical Chemistry, 2019, 91, 5573-5581.	3.2	30
35	Telomere shortening reflecting physical aging is associated with cognitive decline and dementia conversion in mild cognitive impairment due to Alzheimer's disease. Aging, 2020, 12, 4407-4423.	1.4	30
36	Cilnidipine mediates a neuroprotective effect by scavenging free radicals and activating the phosphatidylinositol 3â€kinase pathway. Journal of Neurochemistry, 2009, 111, 90-100.	2.1	29

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37	Direct GSK-3Î ² Inhibition Enhances Mesenchymal Stromal Cell Migration by Increasing Expression of Beta-PIX and CXCR4. Molecular Neurobiology, 2013, 47, 811-820.	1.9	29
38	Atorvastatin Protects NSC-34 Motor Neurons Against Oxidative Stress by Activating PI3K, ERK and Free Radical Scavenging. Molecular Neurobiology, 2016, 53, 695-705.	1.9	28
39	Neuroprotective Effects of Acetyl-L-Carnitine Against Oxygen-Glucose Deprivation-Induced Neural Stem Cell Death. Molecular Neurobiology, 2016, 53, 6644-6652.	1.9	28
40	15-Deoxy-delta12,14-prostaglandin J2, a neuroprotectant or a neurotoxicant?. Toxicology, 2005, 216, 232-243.	2.0	26
41	Coenzyme Q10 protects neural stem cells against hypoxia by enhancing survival signals. Brain Research, 2012, 1478, 64-73.	1.1	26
42	Facility-based and home-based multidomain interventions including cognitive training, exercise, diet, vascular risk management, and motivation for older adults: a randomized controlled feasibility trial. Aging, 2021, 13, 15898-15916.	1.4	23
43	Basilar Artery Plaque and Pontine Infarction Location and Vascular Geometry. Journal of Stroke, 2018, 20, 92-98.	1.4	22
44	Current Opinion on the Role of Neurogenesis in the Therapeutic Strategies for Alzheimer Disease, Parkinson Disease, and Ischemic Stroke; Considering Neuronal Voiding Function. International Neurourology Journal, 2016, 20, 276-287.	0.5	22
45	Phosphatidylinositol 3-kinase activator reduces motor neuronal cell death induced by G93A or A4V mutant SOD1 gene. Toxicology, 2005, 213, 45-55.	2.0	21
46	L-DOPA neurotoxicity is prevented by neuroprotective effects of erythropoietin. NeuroToxicology, 2011, 32, 879-887.	1.4	21
47	Understanding the role of glycogen synthase kinase-3 in L-DOPA-induced dyskinesia in Parkinson's disease. Expert Opinion on Drug Metabolism and Toxicology, 2018, 14, 83-90.	1.5	21
48	Differential effects of diallyl disulfide on neuronal cells depend on its concentration. Toxicology, 2005, 211, 86-96.	2.0	20
49	The Early Activation of PI3K Strongly Enhances the Resistance of Cortical Neurons to Hypoxic Injury via the Activation of Downstream Targets of the PI3K Pathway and the Normalization of the Levels of PARP Activity, ATP, and NAD+. Molecular Neurobiology, 2013, 47, 757-769.	1.9	20
50	The role of PI3K/AKT pathway and its therapeutic possibility in Alzheimer's disease. Hanyang Medical Reviews, 2017, 37, 18.	0.4	20
51	l-DOPA-induced neurotoxicity is reduced by the activation of the PI3K signaling pathway. Toxicology, 2009, 265, 80-86.	2.0	19
52	Amlodipine besylate and amlodipine camsylate prevent cortical neuronal cell death induced by oxidative stress. Journal of Neurochemistry, 2011, 119, 1262-1270.	2.1	19
53	Atorvastatin Rejuvenates Neural Stem Cells Injured by Oxygen–Glucose Deprivation and Induces Neuronal Differentiation Through Activating the PI3K/Akt and ERK Pathways. Molecular Neurobiology, 2019, 56, 2964-2977.	1.9	19
54	Mitochondria damaged by Oxygen Glucose Deprivation can be Restored through Activation of the PI3K/Akt Pathway and Inhibition of Calcium Influx by Amlodipine Camsylate. Scientific Reports, 2019, 9, 15717.	1.6	19

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55	Serum neurofilament light chain level as a predictor of cognitive stage transition. Alzheimer's Research and Therapy, 2022, 14, 6.	3.0	19
56	Ambidextrous magnetic nanovectors for synchronous gene transfection and labeling of human MSCs. Biomaterials, 2011, 32, 6174-6182.	5.7	18
57	Effects of Uric Acid Levels on Outcome in Severe Ischemic Stroke Patients Treated with Intravenous Recombinant Tissue Plasminogen Activator. European Neurology, 2014, 71, 132-139.	0.6	18
58	Neuroprotective effects of amlodipine besylate and benidipine hydrochloride on oxidative stress-injured neural stem cells. Brain Research, 2014, 1551, 1-12.	1.1	18
59	Inhibition of glycogen synthase kinase-3 reduces l-DOPA-induced neurotoxicity. Toxicology, 2008, 247, 112-118.	2.0	17
60	Increased VEGF and Decreased SDF-1α in Patients with Silent Brain Infarction Are Associated with Better Prognosis after First-Ever Acute Lacunar Stroke. Journal of Stroke and Cerebrovascular Diseases, 2015, 24, 704-710.	0.7	17
61	Myasthenia gravis associated with ectopic cervical thymoma. Journal of Clinical Neuroscience, 2008, 15, 1393-1395.	0.8	16
62	Usefulness of the median terminal latency ratio in the diagnosis of carpal tunnel syndrome. Clinical Neurophysiology, 2009, 120, 765-769.	0.7	16
63	Regenerative Potential of Carbon Monoxide in Adult Neural Circuits of the Central Nervous System. International Journal of Molecular Sciences, 2020, 21, 2273.	1.8	16
64	Efficacy and safety of GV1001 in patients with moderate-to-severe Alzheimer's disease already receiving donepezil: a phase 2 randomized, double-blind, placebo-controlled, multicenter clinical trial. Alzheimer's Research and Therapy, 2021, 13, 66.	3.0	16
65	Early Activation of Phosphatidylinositol 3-Kinase after Ischemic Stroke Reduces Infarct Volume and Improves Long-Term Behavior. Molecular Neurobiology, 2017, 54, 5375-5384.	1.9	15
66	Differential Effects of Isoxazole-9 on Neural Stem/Progenitor Cells, Oligodendrocyte Precursor Cells, and Endothelial Progenitor Cells. PLoS ONE, 2015, 10, e0138724.	1.1	14
67	Transient upbeat nystagmus due to unilateral focal pontine infarction. Journal of Clinical Neuroscience, 2009, 16, 563-565.	0.8	13
68	Association between Serum Stromal Cell-Derived Factor-1a and Long-Term Outcome of Acute Ischemic Stroke. European Neurology, 2012, 67, 363-369.	0.6	13
69	Activation of the phosphatidylinositol 3â€kinase pathway plays important roles in reduction of cerebral infarction by cilnidipine. Journal of Neurochemistry, 2015, 135, 186-193.	2.1	13
70	Glia-Like Cells from Late-Passage Human MSCs Protect Against Ischemic Stroke Through IGFBP-4. Molecular Neurobiology, 2019, 56, 7617-7630.	1.9	13
71	Synthesis and evaluation of tricyclic derivatives containing a non-aromatic amide as inhibitors of poly(ADP-ribose)polymerase-1 (PARP-1). Bioorganic and Medicinal Chemistry Letters, 2010, 20, 2250-2253.	1.0	12
72	β-PIX Is Critical for Transplanted Mesenchymal Stromal Cell Migration. Stem Cells and Development, 2012, 21, 1989-1999.	1.1	12

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73	Tracking and protection of transplanted stem cells using a ferrocenecarboxylic acid-conjugated peptide that mimics hTERT. Biomaterials, 2018, 155, 80-91.	5.7	12
74	Differences in Therapeutic Responses and Factors Affecting Post-Stroke Depression at a Later Stage According to Baseline Depression. Journal of Stroke, 2018, 20, 258-267.	1.4	12
75	Development of peptide aptamers as alternatives for antibody in the detection of amyloid-beta 42 aggregates. Analytical Biochemistry, 2020, 609, 113921.	1.1	12
76	Micro―RNAs in the aqueous humour of patients with diabetic macular oedema. Clinical and Experimental Ophthalmology, 2020, 48, 624-635.	1.3	12
77	Early increment of soluble triggering receptor expressed on myeloid cells 2 in plasma might be a predictor of poor outcome after ischemic stroke. Journal of Clinical Neuroscience, 2020, 73, 215-218.	0.8	12
78	The relationship of soluble TREM2 to other biomarkers of sporadic Alzheimer's disease. Scientific Reports, 2021, 11, 13050.	1.6	12
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#	Article	IF	CITATIONS
91	Sparganosis mimicking an intramedullary tumor of the cervical cord. Journal of Clinical Neuroscience, 2011, 18, 1128-1129.	0.8	7
92	A probable cavernoma in the medulla oblongata presenting only as upbeat nystagmus. Journal of Clinical Neuroscience, 2011, 18, 1567-1569.	0.8	7
93	Role of a highly conserved proline-126 in ThDP binding of Mycobacterium tuberculosis acetohydroxyacid synthase. Enzyme and Microbial Technology, 2013, 53, 243-249.	1.6	7
94	Neural Stem Cell Death Mechanisms Induced by Amyloid Beta. Dementia and Neurocognitive Disorders, 2017, 16, 121.	0.4	7
95	Telmisartan Inhibits the NLRP3 Inflammasome by Activating the PI3K Pathway in Neural Stem Cells Injured by Oxygen-Glucose Deprivation. Molecular Neurobiology, 2021, 58, 1806-1818.	1.9	7
96	Increased telomere length in patients with frontotemporal dementia syndrome. Journal of the Neurological Sciences, 2021, 428, 117565.	0.3	7
97	Annual Incidence of Dementia from 2003 to 2018 in Metropolitan Seoul, Korea: A Population-Based Study. Journal of Clinical Medicine, 2022, 11, 819.	1.0	7
98	Association between sleep parameters and longitudinal shortening of telomere length. Aging, 2022, 14, 2930-2944.	1.4	7
99	Transduction of human EPO into human bone marrow mesenchymal stromal cells synergistically enhances cell-protective and migratory effects. Molecular Biology, 2010, 44, 577-584.	0.4	6
100	A Novel Exon 3 Mutation (P66S) in the SOD1 Gene in Familial ALS. Canadian Journal of Neurological Sciences, 2012, 39, 245-246.	0.3	6
101	Role of the phosphatidylinositol 3-kinase and extracellular signal-regulated kinase pathways in the neuroprotective effects of cilnidipine against hypoxia in a primary culture of cortical neurons. Neurochemistry International, 2012, 61, 1172-1182.	1.9	6
102	MRI and ultrasonographic findings in idiopathic intracranial hypertension. Cephalalgia, 2013, 33, 139-140.	1.8	6
103	Effects of aspirin and clopidogrel on neural stem cells. Cell Biology and Toxicology, 2018, 34, 219-232.	2.4	6
104	Differences between the Molecular Mechanisms Underlying Ruptured and Non-Ruptured Carotid Plaques, and the Significance of ABCA1. Journal of Stroke, 2018, 20, 80-91.	1.4	6
105	Protective effects of statins on l-DOPA neurotoxicity due to the activation of phosphatidylinositol 3-kinase and free radical scavenging in PC12 cell culture. Brain Research, 2011, 1370, 53-63.	1.1	5
106	Predictors of Hemorrhage Volume after Intravenous Thrombolysis. Journal of Stroke and Cerebrovascular Diseases, 2016, 25, 2543-2548.	0.7	5
107	Sublethal Doses of Zinc Protect Rat Neural Stem Cells Against Hypoxia Through Activation of the PI3K Pathway. Stem Cells and Development, 2019, 28, 769-780.	1.1	5
108	LGR5 and Downstream Intracellular Signaling Proteins Play Critical Roles in the Cell Proliferation of Neuroblastoma, Meningioma and Pituitary Adenoma. Experimental Neurobiology, 2019, 28, 628-641.	0.7	5

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109	Rat Models for Ischemic Stroke. Korean Journal of Stroke, 2011, 13, 107.	0.1	5
110	Development of a Low-Molecular-Weight Aβ42 Detection System Using a Enzyme-Linked Peptide Assay. Biomolecules, 2021, 11, 1818.	1.8	5
111	Conus Medullaris Syndrome as a Complication of Radioisotope Cisternography. Canadian Journal of Neurological Sciences, 2012, 39, 347-351.	0.3	4
112	Synthesis and evaluation of thiopyrano[3,4-c]quinoline-9-carboxamide derivatives as inhibitors of poly(ADP-ribose) polymerase-1 (PARP-1). Medicinal Chemistry Research, 2012, 21, 1533-1543.	1.1	4
113	Association between nocturnal blood pressure variation and wake-up ischemic stroke. Journal of Clinical Neuroscience, 2017, 44, 210-213.	0.8	4
114	Overview of symptoms, pathogenesis, diagnosis, treatment, and prognosis of various acquired polyneuropathies. Hanyang Medical Reviews, 2017, 37, 34.	0.4	4
115	Candesartan Restores the Amyloid Beta-Inhibited Proliferation of Neural Stem Cells by Activating the Phosphatidylinositol 3-Kinase Pathway. Dementia and Neurocognitive Disorders, 2017, 16, 64.	0.4	4
116	Post-Stroke Depressive Symptoms: Varying Responses to Escitalopram by Individual Symptoms and Lesion Location. Journal of Geriatric Psychiatry and Neurology, 2021, 34, 565-573.	1.2	4
117	Depressive Symptoms in Stroke Patients: Are There Sex Differences?. Cerebrovascular Diseases, 2020, 49, 19-25.	0.8	4
118	Prophylactic role of Korean Red Ginseng in astrocytic mitochondrial biogenesis through HIF-1α. Journal of Ginseng Research, 2022, 46, 408-417.	3.0	4
119	Neuroprotective Effects of GV1001 in Animal Stroke Model and Neural Cells Subject to Oxygen-Glucose Deprivation/Reperfusion Injury. Journal of Stroke, 2021, 23, 420-436.	1.4	4

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#	Article	IF	CITATIONS
127	Leucine-rich G Protein-coupled Receptor-5 Is Significantly Increased in the Aqueous Humor of Human Eye with Proliferative Diabetic Retinopathy. Experimental Neurobiology, 2018, 27, 238-244.	0.7	1
128	Comparison of patients with transient and sustained increments of antiphospholipid antibodies after acute ischemic stroke. Journal of Neurology, 2021, 268, 2541-2549.	1.8	1
129	A Case of Anti-NMDA Receptor Encephalitis with Normal Findings on Initial Diagnostic Tests. Dementia and Neurocognitive Disorders, 2020, 19, 28.	0.4	1
130	Executive Summary of the 2019 International Conference of Korean Dementia Association: Exploring the Novel Concept of Alzheimer's Disease and Other Dementia: a Report from the Academic Committee of the Korean Dementia Association. Dementia and Neurocognitive Disorders, 2020, 19, 39.	0.4	1
131	A Case of Cervical Epidural Abscess Presenting Rapidly Progressing Quadriplegia without any other Symptom or Sign of CEA. Infection and Chemotherapy, 2008, 40, 230.	1.0	Ο
132	Strategy for Maximizing Therapeutic Efficacy of Adult Stem Cells. Hanyang Medical Reviews, 2012, 32, 159.	0.4	0
133	Hetastarch reduces neuronal cell death caused by oxidative stress. Drug Development Research, 2012, 73, 35-42.	1.4	Ο
134	Analysis of the Expectation of Stem Cell Therapy in Patients with Alzheimer's Disease. Dementia and Neurocognitive Disorders, 2016, 15, 129.	0.4	0
135	P3â€140: Interaction Between Sublethal Dose of Amyloid Beta and Hypoxia in Neural Stem Cells. Alzheimer's and Dementia, 2016, 12, P872.	0.4	Ο
136	Comparison of antiplatelet effect and safety of clopidogrel napadisilate with clopidogrel bisulfate in stroke patients: multicenter, randomized, open-label, phase 4, non-inferiority clinical trial. Current Medical Research and Opinion, 2016, 32, 105-112.	0.9	0
137	[P3–148]: A NOVEL SMART PEPTIDE REPRESENTING A 16â€AMINOâ€ACID HUMAN TELOMERASE REVERSE TRANSCRIPTASE SEQUENCE HAS POSITIVE EFFECTS IN INâ€VITRO AND INâ€VIVO MODELS OF ALZHEIMER's DISEASE BY INCREASING TELOMERE LENGTH. Alzheimer's and Dementia, 2017, 13, P991.	0.4	0
138	Current update in diverse diseases. Hanyang Medical Reviews, 2017, 37, 1.	0.4	0
139	A Sudden Deterioration in Cognitive Functions as the Result of a Central Nervous System Lymphoma. Dementia and Neurocognitive Disorders, 2018, 17, 71.	0.4	Ο
140	The Osteoporotic Condition as a Predictive Factor for Hemorrhagic Transformation in Acute Cardioembolic Stroke. Journal of Korean Neurosurgical Society, 2021, 64, 763-775.	0.5	0
141	A Case of Progressive Multifocal Leukoencephalopathy in Acquired Immune Deficiency Syndrome Initially Presented with Early Onset Dementia. Dementia and Neurocognitive Disorders, 2014, 13, 20.	0.4	Ο
142	Factors Influencing Skin Tolerability to the Rivastigmine Patch in Patients with Alzheimer's Disease. Dementia and Neurocognitive Disorders, 2015, 14, 31.	0.4	0
143	Radiation-induced Leukoencephalopathy Presenting as Lower Body Parkinsonism. Journal of the Korean Neurological Association, 2015, 33, 355-357.	0.0	0
144	Acute Disseminated Encephalomyelitis Following Pneumococcal Vaccination. Journal of the Korean Neurological Association, 2016, 34, 256-258.	0.0	0

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145	Unilateral Deep Peroneal Neuropathy during Cyclosporine Therapy. Journal of the Korean Neurological Association, 2019, 37, 195-197.	0.0	Ο
146	Asymptomatic Bilateral Internal Carotid Artery Occlusion with Ring Finger Protein 213 Gene Polymorphism. Journal of the Korean Neurological Association, 2019, 37, 423-425.	0.0	0
1 4 77	Chemoradiotherapy Alters Protein Expression in Glioblastoma Multiforme. Journal of Clinical		