

# Atsushi Nagai

## List of Publications by Year in descending order

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95  
papers

3,508  
citations

147801

31  
h-index

144013

57  
g-index

97  
all docs

97  
docs citations

97  
times ranked

5394  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytokines, chemokines, and cytokine receptors in human microglia. <i>Journal of Neuroscience Research</i> , 2002, 69, 94-103.	2.9	318
2	Erythropoietin and Erythropoietin Receptors in Human CNS Neurons, Astrocytes, Microglia, and Oligodendrocytes Grown in Culture. <i>Journal of Neuropathology and Experimental Neurology</i> , 2001, 60, 386-392.	1.7	270
3	Fractalkine and fractalkine receptors in human neurons and glial cells. <i>Journal of Neuroscience Research</i> , 2002, 69, 418-426.	2.9	215
4	Transplantation of human mesenchymal stem cells promotes functional improvement and increased expression of neurotrophic factors in a rat focal cerebral ischemia model. <i>Journal of Neuroscience Research</i> , 2010, 88, 1017-1025.	2.9	209
5	Silent Brain Infarction and Subcortical White Matter Lesions Increase the Risk of Stroke and Mortality: A Prospective Cohort Study. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2006, 15, 57-63.	1.6	153
6	Generation and Characterization of Immortalized Human Microglial Cell Lines: Expression of Cytokines and Chemokines. <i>Neurobiology of Disease</i> , 2001, 8, 1057-1068.	4.4	132
7	Microbleeds Are Associated With Subsequent Hemorrhagic and Ischemic Stroke in Healthy Elderly Individuals. <i>Stroke</i> , 2011, 42, 1867-1871.	2.0	129
8	Isolation of various forms of sterol $\beta$ -D-glucoside from the seed of <i>Cycas circinalis</i> : neurotoxicity and implications for ALS-parkinsonism dementia complex. <i>Journal of Neurochemistry</i> , 2002, 82, 516-528.	3.9	114
9	Multilineage Potential of Stable Human Mesenchymal Stem Cell Line Derived from Fetal Marrow. <i>PLoS ONE</i> , 2007, 2, e1272.	2.5	108
10	Human Microglia Transplanted in Rat Focal Ischemia Brain Induce Neuroprotection and Behavioral Improvement. <i>PLoS ONE</i> , 2010, 5, e11746.	2.5	95
11	Upregulation of Protease-Activated Receptor-1 in Astrocytes in Parkinson Disease: Astrocyte-Mediated Neuroprotection Through Increased Levels of Glutathione Peroxidase. <i>Journal of Neuropathology and Experimental Neurology</i> , 2006, 65, 66-77.	1.7	94
12	Mesenchymal stem cell transplantation modulates neuroinflammation in focal cerebral ischemia: Contribution of fractalkine and IL-5. <i>Neurobiology of Disease</i> , 2011, 41, 717-724.	4.4	88
13	Cystatin C and cathepsin B in CSF from patients with inflammatory neurologic diseases. <i>Neurology</i> , 2000, 55, 1828-1832.	1.1	87
14	Production and Characterization of Immortal Human Neural Stem Cell Line with Multipotent Differentiation Property. <i>Methods in Molecular Biology</i> , 2008, 438, 103-121.	0.9	69
15	Cathepsin B and H activities and cystatin C concentrations in cerebrospinal fluid from patients with leptomeningeal metastasis. <i>Clinica Chimica Acta</i> , 2003, 329, 53-60.	1.1	65
16	Post-Stroke Apathy and Hypoperfusion in Basal Ganglia: SPECT Study. <i>Cerebrovascular Diseases</i> , 2011, 31, 6-11.	1.7	62
17	Association of cognitive dysfunction with hippocampal atrophy in elderly Japanese people with type 2 diabetes. <i>Diabetes Research and Clinical Practice</i> , 2011, 94, 180-185.	2.8	61
18	Plasma arginine/ADMA ratio as a sensitive risk marker for atherosclerosis: Shimane CoHRE study. <i>Atherosclerosis</i> , 2015, 239, 61-66.	0.8	56

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19	Effective ex vivo expansion of hematopoietic stem cells using osteoblast-differentiated mesenchymal stem cells is CXCL12 dependent. <i>European Journal of Haematology</i> , 2010, 84, 538-546.	2.2	54
20	Fas and Fas ligand interaction induces apoptosis in inflammatory myopathies: CD4+ T cells cause muscle cell injury directly in polymyositis. <i>Arthritis and Rheumatism</i> , 1999, 42, 291-298.	6.7	50
21	Lysophosphatidylcholine induces glial cell activation: Role of rho kinase. <i>Glia</i> , 2009, 57, 898-907.	4.9	50
22	Neuronal cell death induced by cystatin C in vivo and in cultured human CNS neurons is inhibited with cathepsin B. <i>Brain Research</i> , 2005, 1066, 120-128.	2.2	46
23	Immortalized human microglial cell line: Phenotypic expression. <i>Journal of Neuroscience Research</i> , 2005, 81, 342-348.	2.9	43
24	Advanced Glycation End-Products Induce Apoptosis of Vascular Smooth Muscle Cells: A Mechanism for Vascular Calcification. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1567.	4.1	39
25	Relationship between Blood Myostatin Levels and Kidney Function: Shimane CoHRE Study. <i>PLoS ONE</i> , 2015, 10, e0141035.	2.5	38
26	Lysophosphatidylcholine increases the neurotoxicity of Alzheimer's amyloid $\beta$ 1-42 peptide: Role of oligomer formation. <i>Neuroscience</i> , 2015, 292, 159-169.	2.3	38
27	Involvement of cystatin C in pathophysiology of CNS diseases. <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 3470.	3.0	37
28	Production of Immortalized Human Neural Crest Stem Cells. , 2002, 198, 055-066.		36
29	Successful Treatment with Succinate in a Patient with MELAS. <i>Internal Medicine</i> , 2004, 43, 427-431.	0.7	36
30	C-reactive protein levels are associated with cerebral small vessel-related lesions. <i>Acta Neurologica Scandinavica</i> , 2016, 133, 68-74.	2.1	36
31	A Mesenchymal stem cell line (B10) increases angiogenesis in a rat MCAO model. <i>Experimental Neurology</i> , 2019, 311, 182-193.	4.1	35
32	Synthesis, photodynamic activities, and cytotoxicity of new water-soluble cationic gallium(III) and zinc(II) phthalocyanines. <i>Journal of Inorganic Biochemistry</i> , 2019, 192, 7-16.	3.5	35
33	A Prospective Study of Asymptomatic Intracranial Atherosclerotic Stenosis in Neurologically Normal Volunteers in a Japanese Cohort. <i>Frontiers in Neurology</i> , 2016, 7, 39.	2.4	34
34	A human neural stem cell line provides neuroprotection and improves neurological performance by early intervention of neuroinflammatory system. <i>Brain Research</i> , 2016, 1631, 194-203.	2.2	33
35	Scanning electronmicroscopic morphometry of emphysema in humans.. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1994, 150, 1411-1415.	5.6	31
36	No mutations in cystatin C gene in cerebral amyloid angiopathy with cystatin C deposition. <i>Molecular and Chemical Neuropathology</i> , 1998, 33, 63-78.	1.0	30

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37	Prediction of conversion to Alzheimer's disease using deep survival analysis of MRI images. <i>Brain Communications</i> , 2020, 2, fcaa057.	3.3	29
38	Expression of cytokines and cytokine receptors in human Schwann cells. <i>NeuroReport</i> , 2008, 19, 31-35.	1.2	27
39	Transplantation of a bone marrow mesenchymal stem cell line increases neuronal progenitor cell migration in a cerebral ischemia animal model. <i>Scientific Reports</i> , 2018, 8, 14951.	3.3	27
40	Human mesenchymal stem cell transplantation changes proinflammatory gene expression through a nuclear factor- $\kappa$ B-dependent pathway in a rat focal cerebral ischemic model. <i>Journal of Neuroscience Research</i> , 2013, 91, 1440-1449.	2.9	26
41	Lysophosphatidylcholine modulates fibril formation of amyloid beta peptide. <i>FEBS Journal</i> , 2011, 278, 634-642.	4.7	25
42	Association of Mild Kidney Dysfunction with Silent Brain Lesions in Neurologically Normal Subjects. <i>Cerebrovascular Diseases Extra</i> , 2015, 5, 22-27.	1.5	22
43	Cystatin C Induces Neuronal Cell Death <i>in Vivo</i> . <i>Annals of the New York Academy of Sciences</i> , 2002, 977, 315-321.	3.8	21
44	Generation and Characterization of Human Hybrid Neurons Produced between Embryonic CNS Neurons and Neuroblastoma Cells. <i>Neurobiology of Disease</i> , 2002, 11, 184-198.	4.4	19
45	Leukoencephalopathy-Related Cerebral Amyloid Angiopathy With Cystatin C Deposition. <i>Stroke</i> , 1996, 27, 1417-1419.	2.0	19
46	Familial outbreak of <i>Yersinia enterocolitica</i> serotype O9 biotype 2. <i>Journal of Infection and Chemotherapy</i> , 2010, 16, 56-58.	1.7	17
47	Serum Lipid Fractions and Cerebral Microbleeds in a Healthy Japanese Population. <i>Cerebrovascular Diseases</i> , 2017, 43, 186-191.	1.7	17
48	Perillaldehyde inhibits bone metastasis and receptor activator of nuclear factor- $\kappa$ B ligand (RANKL) signaling-induced osteoclastogenesis in prostate cancer cell lines. <i>Bioengineered</i> , 2022, 13, 2710-2719.	3.2	16
49	Metabolic syndrome is associated with incidence of deep cerebral microbleeds. <i>PLoS ONE</i> , 2018, 13, e0194182.	2.5	15
50	Cystatin C expression in ischemic white matter lesions. <i>Acta Neurologica Scandinavica</i> , 2008, 118, 60-67.	2.1	14
51	Cystatin C induces apoptosis and tyrosine hydroxylase gene expression through JNK-dependent pathway in neuronal cells. <i>Neuroscience Letters</i> , 2011, 496, 100-105.	2.1	14
52	A carboxylated Zn-phthalocyanine inhibits fibril formation of Alzheimer's amyloid $\beta$ peptide. <i>FEBS Journal</i> , 2015, 282, 463-476.	4.7	11
53	Reduced Dynamic Complexity of BOLD Signals Differentiates Mild Cognitive Impairment From Normal Aging. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 90.	3.4	11
54	Association of High-Density Lipoprotein Subclasses with Carotid Intima-Media Thickness: Shimane CoHRE Study. <i>Journal of Atherosclerosis and Thrombosis</i> , 2018, 25, 42-54.	2.0	10

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55	Proteomic analysis of extracellular vesicles enriched serum associated with future ischemic stroke. <i>Scientific Reports</i> , 2021, 11, 24024.	3.3	10
56	Contribution of Cystatin C Gene Polymorphisms to Cerebral White Matter Lesions. <i>Cerebrovascular Diseases</i> , 2011, 32, 489-496.	1.7	9
57	Increased vulnerability of hippocampal CA1 neurons to hypoperfusion in ataxia and male sterility (AMS) mouse. <i>Brain Research</i> , 2013, 1494, 109-117.	2.2	9
58	Quantification of CSF cystatin C using liquid chromatography tandem mass spectrometry. <i>Clinica Chimica Acta</i> , 2018, 478, 1-6.	1.1	8
59	Co-localization of cystatin C and prosaposin in cultured neurons and in anterior horn neurons with amyotrophic lateral sclerosis. <i>Journal of the Neurological Sciences</i> , 2018, 384, 67-74.	0.6	8
60	Association between cystatin C gene polymorphism and the prevalence of white matter lesion in elderly healthy subjects. <i>Scientific Reports</i> , 2020, 10, 4688.	3.3	8
61	Somatosensory disinhibition and frontal alien hand signs following medial frontal damage. <i>Journal of Clinical Neuroscience</i> , 2006, 13, 279-282.	1.5	7
62	Single nucleotide polymorphisms of the DGKB and VCAM1 genes are associated with granulocyte colony stimulating factor-mediated peripheral blood stem cell mobilization. <i>Transfusion and Apheresis Science</i> , 2017, 56, 154-159.	1.0	7
63	Alteration of Neural Stem Cell Functions in Ataxia and Male Sterility Mice: A Possible Role of $\beta$ -Tubulin Glutamylation in Neurodegeneration. <i>Cells</i> , 2021, 10, 155.	4.1	7
64	Rapid identification of plasmalogen molecular species using targeted multiplexed selected reaction monitoring mass spectrometry. <i>Journal of Mass Spectrometry and Advances in the Clinical Lab</i> , 2021, 22, 26-33.	2.4	7
65	Evaluation of autonomic functions of patients with multiple system atrophy and Parkinson's disease by head-up tilt test. <i>Journal of Neural Transmission</i> , 2018, 125, 153-162.	2.8	6
66	Aggregation of Cystatin C Changes Its Inhibitory Functions on Protease Activities and Amyloid $\beta$ Fibril Formation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9682.	4.1	6
67	Time-Dependent Analysis of Plasmalogens in the Hippocampus of an Alzheimer's Disease Mouse Model: A Role of Ethanolamine Plasmalogen. <i>Brain Sciences</i> , 2021, 11, 1603.	2.3	6
68	Altered resting-state functional connectivity of the frontal-striatal circuit in elderly with apathy. <i>PLoS ONE</i> , 2021, 16, e0261334.	2.5	6
69	Responsiveness and Variability of Airflow Obstruction in Chronic Obstructive Pulmonary Disease: Clinicopathologic Correlative Studies. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1995, 151, 635-639.	5.6	5
70	iTRAQ-based proteomic analysis after mesenchymal stem cell line transplantation for ischemic stroke. <i>Brain Research</i> , 2020, 1742, 146900.	2.2	5
71	Low-density lipoprotein as a biomarker for the mobilization of hematopoietic stem cells in peripheral blood. <i>Transfusion and Apheresis Science</i> , 2013, 49, 539-541.	1.0	4
72	Does overnight duty affect vascular endothelial function?. <i>BMC Cardiovascular Disorders</i> , 2021, 21, 467.	1.7	4

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73	Comparative analysis of a complement fixation assay and enzyme immunoassay to determine the seroprevalence of measles and varicella in a survey of healthcare workers. <i>Journal of International Medical Research</i> , 2013, 41, 224-230.	1.0	3
74	Enhanced Feedback-Related Negativity in Alzheimer's Disease. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 179.	2.0	3
75	Molecular Structure and Spectroscopic Properties of [2,3,9,10,16,17,23,24-Octakis(3-carboxyphenoxy)phthalocyaninato- $\text{N}^4$ ](pyridine- $\text{N}$ )zinc(II) Pyridine Octasolvate. <i>Heterocycles</i> , 2017, 94, 131.	0.7	2
76	Significance of D-dimer and soluble fibrin testing in screening of incident venous thromboembolism. <i>Vascular Failure</i> , 2019, 3, 26-30.	0.2	2
77	<i>Escherichia coli</i> SEPSIS AFTER PLATELET TRANSFUSION IN A PEDIATRIC PATIENT WITH ACUTE MYELOID LEUKEMIA. <i>Japanese Journal of Transfusion and Cell Therapy</i> , 2015, 61, 546-549.	0.2	1
78	A Case of Trigeminal Neuralgia Successfully Treated with Yokukansan. <i>Kampo Medicine</i> , 2017, 68, 358-361.	0.1	1
79	An Improved Assay for Quantitation of Cerebrospinal Fluid Cystatin C Using Liquid Chromatography Tandem Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2019, 2044, 291-302.	0.9	1
80	Sex differences in the association between metabolic syndrome and the risk of ischemic stroke. <i>Nosotchu</i> , 2006, 28, 527-530.	0.1	1
81	A Case of Recurrent Vomiting with Pyloric Stenosis Successfully Treated with Goreisan. <i>Kampo Medicine</i> , 2012, 63, 378-383.	0.1	1
82	A Case of Chronic Heart Failure with Hypotension Successfully Treated with Goreisan. <i>Kampo Medicine</i> , 2012, 63, 185-190.	0.1	1
83	Association of silent brain lesions with renal dysfunction in elderly. <i>Nosotchu</i> , 2015, 37, 223-227.	0.1	1
84	A Cationic Gallium Phthalocyanine Inhibits Amyloid $\text{A}\beta$ Peptide Fibril Formation. <i>Current Alzheimer Research</i> , 2020, 17, 589-600.	1.4	1
85	A case of arrhythmogenic right ventricular cardiomyopathy in a 70-year-old patient. <i>Journal of Medical Ultrasonics</i> (2001), 2014, 41, 73-76.	1.3	0
86	Association of high-density lipoprotein subclasses with carotid intima-media thickness: Shimane CoHRE study. <i>Atherosclerosis</i> , 2016, 252, e108.	0.8	0
87	Advanced glycation end-products stimulate apoptosis and calcium deposition of vascular smooth muscle cells: functional roles of NAD(P)H oxidase. <i>Atherosclerosis</i> , 2017, 263, e68.	0.8	0
88	Reactive hyperemia index can screen endothelial dysfunction in obese subjects with non-alcoholic fatty liver disease. <i>Vascular Failure</i> , 2018, 2, 39-44.	0.2	0
89	Development of a risk score system for future stroke associated with cerebral small vessel disease onset using asymptomatic brain lesions on MRI. <i>Nosotchu</i> , 2021, , .	0.1	0
90	Natural history of intracranial artery stenosis in normal subjects received brain health check-up. <i>Nosotchu</i> , 2004, 26, 624-628.	0.1	0

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91	A Case of Multiple System Atrophy Successfully Treated with Hachimjiougan. <i>Kampo Medicine</i> , 2011, 62, 565-569.	0.1	0
92	Silent brain infarction and hypertension.. <i>Nosotchu</i> , 1998, 20, 545-549.	0.1	0
93	A case of bow hunter's syndrome diagnosed by digital subtraction angiography kymograph. <i>Nosotchu</i> , 2022, , .	0.1	0
94	Multiscale Entropy of Resting-State Functional Magnetic Resonance Imaging Differentiates Progressive Supranuclear Palsy and Multiple System Atrophy. <i>Life</i> , 2021, 11, 1411.	2.4	0
95	Generation, Characterization, and Transplantation of Immortalized Human Neural Crest Stem Cells. , 0, , 89-106.		0