Hatasu Kobayashi

List of Publications by Year
in descending order

65 papers	3,026 citations	159358 30 h-index	168136 53 g-index
66 all docs	66 docs citations	66 times ranked	3597 citing authors

#	Article	IF	Citations
1	Identification of RNF213 as a Susceptibility Gene for Moyamoya Disease and Its Possible Role in Vascular Development. PLoS ONE, 2011, 6, e22542.	1.1	519
2	Expansion of Intronic GGCCTG Hexanucleotide Repeat in NOP56 Causes SCA36, a Type of Spinocerebellar Ataxia Accompanied by Motor Neuron Involvement. American Journal of Human Genetics, 2011, 89, 121-130.	2.6	244
3	Biological Monitoring of Human Exposure to Neonicotinoids Using Urine Samples, and Neonicotinoid Excretion Kinetics. PLoS ONE, 2016, 11, e0146335.	1.1	114
4	Distribution of Moyamoya Disease Susceptibility Polymorphism p.R4810K in RNF213 in East and Southeast Asian Populations. Neurologia Medico-Chirurgica, 2012, 52, 299-303.	1.0	104
5	Moyamoya disease: diagnosis and interventions. Lancet Neurology, The, 2022, 21, 747-758.	4.9	102
6	Biochemical and Functional Characterization of RNF213 (Mysterin) R4810K, a Susceptibility Mutation of Moyamoya Disease, in Angiogenesis In Vitro and In Vivo. Journal of the American Heart Association, 2015, 4, .	1.6	101
7	Downregulation of Securin by the variant RNF213 R4810K (rs112735431, G>A) reduces angiogenic activity of induced pluripotent stem cell-derived vascular endothelial cells from moyamoya patients. Biochemical and Biophysical Research Communications, 2013, 438, 13-19.	1.0	100
8	An Integrative Study of the Genetic, Social and Environmental Determinants of Chronic Kidney Disease Characterized by Tubulointerstitial Damages in the North Central Region of Sri Lanka. Journal of Occupational Health, 2014, 56, 28-38.	1.0	96
9	A new horizon of moyamoya disease and associated health risks explored through RNF213. Environmental Health and Preventive Medicine, 2016, 21, 55-70.	1.4	95
10	Metal-mediated oxidative damage to cellular and isolated DNA by gallic acid, a metabolite of antioxidant propyl gallate. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2004, 558, 111-120.	0.9	79
11	Clinical features of SCA36. Neurology, 2012, 79, 333-341.	1.5	76
12	Proteomic identification of carbonylated proteins in the monkey hippocampus after ischemiaâ€“reperfusion. Free Radical Biology and Medicine, 2009, 46, 1472-1477.	1.3	74
13	Moyamoya Disease Susceptibility Variant RNF213 p.R4810K Increases the Risk of Ischemic Stroke Attributable to Large-Artery Atherosclerosis. Circulation, 2019, 139, 295-298.	1.6	64
14	Preliminary assessment of ecological exposure of adult residents in Fukushima Prefecture to radioactive cesium through ingestion and inhalation. Environmental Health and Preventive Medicine, 2012, 17, 292-298.	1.4	61
15	P.R4810K, a polymorphism of RNF213, the susceptibility gene for moyamoya disease, is associated with blood pressure. Environmental Health and Preventive Medicine, 2013, 18, 121-129.	1.4	59
16	A rare Asian founder polymorphism of Raptor may explain the high prevalence of Moyamoya disease among East Asians and its low prevalence among Caucasians. Environmental Health and Preventive Medicine, 2010, 15, 94-104.	1.4	53
17	Inflammation-related DNA damage and expression of CD133 and Oct3/4 in cholangiocarcinoma patients with poor prognosis. Free Radical Biology and Medicine, 2013, 65, 1464-1472.	1.3	53
18	Significant association of RNF213 p.R4810K, a moyamoya susceptibility variant, with coronary artery disease. PLoS ONE, 2017, 12, e0175649.	1.1	52

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19	Mutant KCNJ3 and KCNJ5 Potassium Channels as Novel Molecular Targets in Bradyarrhythmias and Atrial Fibrillation. Circulation, 2019, 139, 2157-2169.	1.6	51
20	Ablation of Rnf213 retards progression of diabetes in the Akita mouse. Biochemical and Biophysical Research Communications, 2013, 432, 519-525.	1.0	49
21	RNF213 Is Associated with Intracranial Aneurysms in the French-Canadian Population. American Journal of Human Genetics, 2016, 99, 1072-1085.	2.6	49
22	Nitrative DNA damage and Oct3/4 expression in urinary bladder cancer with Schistosoma haematobium infection. Biochemical and Biophysical Research Communications, 2011, 414, 344-349.	1.0	47
23	The moyamoya disease susceptibility variant RNF213 R4810K (rs112735431) induces genomic instability by mitotic abnormality. Biochemical and Biophysical Research Communications, 2013, 439, 419-426.	1.0	45
24	Infantile Pain Episodes Associated with Novel Nav1.9 Mutations in Familial Episodic Pain Syndrome in Japanese Families. PLoS ONE, 2016, 11, e0154827.	1.1	38
25	Cognitive and affective impairments of a novel SCA/MND crossroad mutation Asidan. European Journal of Neurology, 2012, 19, 1070-1078.	1.7	35
26	Genomewide association study identifies no major founder variant in Caucasian moyamoya disease. Journal of Genetics, 2013, 92, 605-609.	0.4	35
27	Rapid Progression of Unilateral Moyamoya Disease in a Patient with a Family History and an <i>RNF213</i> Risk Variant. Cerebrovascular Diseases, 2013, 36, 155-157.	0.8	35
28	RNF213 Rare Variants in Slovakian and Czech Moyamoya Disease Patients. PLoS ONE, 2016, 11, e0164759.	1.1	35
29	Temporal trend and age-dependent serum concentration of phenolic organohalogen contaminants in Japanese men during 1989â€“2010. Environmental Pollution, 2014, 185, 228-233.	3.7	34
30	Identification of MMP1 as a novel risk factor for intracranial aneurysms in ADPKD using iPSC models. Scientific Reports, 2016, 6, 30013.	1.6	34
31	Dysregulation of RNF213 promotes cerebral hypoperfusion. Scientific Reports, 2018, 8, 3607.	1.6	34
32	Rare variants in RNF213, a susceptibility gene for moyamoya disease, are found in patients with pulmonary hypertension and aggravate hypoxiaâ€induced pulmonary hypertension in mice. Pulmonary Circulation, 2018, 8, 1-13.	0.8	33
33	Prevalence of RNF213 p.R4810K Variant in Early-Onset Stroke With Intracranial Arterial Stenosis. Stroke, 2019, 50, 1561-1563.	1.0	32
34	Genetic Study of Intracranial Aneurysms. Stroke, 2015, 46, 620-626.	1.0	31
35	Significant Association of the RNF213 p.R4810K Polymorphism with Quasi-Moyamoya Disease. Journal of Stroke and Cerebrovascular Diseases, 2016, 25, 2632-2636.	0.7	31
36	Moyamoya disease patient mutations in the RING domain of RNF213 reduce its ubiquitin ligase activity and enhance NFÎºB activation and apoptosis in an AAA+ domain-dependent manner. Biochemical and Biophysical Research Communications, 2020, 525, 668-674.	1.0	31

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37	Polyphenols with Anti-Amyloid Î² Aggregation Show Potential Risk of Toxicity Via Pro-Oxidant Properties. International Journal of Molecular Sciences, 2020, 21, 3561.	1.8	30
38	Whole-exome sequencing reveals genetic variants associated with chronic kidney disease characterized by tubulointerstitial damages in North Central Region, Sri Lanka. Environmental Health and Preventive Medicine, 2015, 20, 354-359.	1.4	29
39	Frequency of RNF213 p.R4810K, a susceptibility variant for moyamoya disease, and health characteristics of carriers in the Japanese population. Environmental Health and Preventive Medicine, 2016, 21, 387-390.	1.4	23
40	RNF213 p.R4810K Variant and Intracranial Arterial Stenosis or Occlusion in Relatives of Patients with Moyamoya Disease. Journal of Stroke and Cerebrovascular Diseases, 2017, 26, 1841-1847.	0.7	22
41	Combined linkage analysis and exome sequencing identifies novel genes for familial goiter. Journal of Human Genetics, 2013, 58, 366-377.	1.1	19
42	Mechanism of metal-mediated DNA damage and apoptosis induced by 6-hydroxydopamine in neuroblastoma SH-SY5Y cells. Free Radical Research, 2008, 42, 651-660.	1.5	18
43	The mechanisms of oxidative DNA damage and apoptosis induced by norsalsolinol, an endogenous tetrahydroisoquinoline derivative associated with Parkinsonâ€™s disease. Journal of Neurochemistry, 2009, 108, 397-407.	2.1	16
44	Proteomic analysis of carbonylated proteins in the monkey substantia nigra after ischemia-reperfusion. Free Radical Research, 2014, 48, 694-705.	1.5	15
45	Early onset of moyamoya syndrome in a Down syndrome patient with the genetic variant RNF213 p.R4810K. Brain and Development, 2015, 37, 822-824.	0.6	13
46	CD44v9 Induces Stem Cell-Like Phenotypes in Human Cholangiocarcinoma. Frontiers in Cell and Developmental Biology, 2020, 8, 417.	1.8	13
47	Perfluorinated carboxylic acids discharged from the Yodo River Basin, Japan. Chemosphere, 2015, 138, 81-88.	4.2	12
48	Familial episodic limb pain in kindreds with novel Nav1.9 mutations. PLoS ONE, 2018, 13, e0208516.	1.1	12
49	Mechanism of DNA Damage and Apoptosis Induced by Tetrahydropapaveroline, a Metabolite of Dopamine. Neurochemical Research, 2006, 31, 523-532.	1.6	11
50	Combination of RERG and ZNF671 methylation rates in circulating cellâ€free DNA: A novel biomarker for screening of nasopharyngeal carcinoma. Cancer Science, 2020, 111, 2536-2545.	1.7	11
51	Damage to cellular and isolated DNA induced by a metabolite of aspirin. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2009, 661, 93-100.	0.4	10
52	Î²-cell-specific overexpression of adiponectin receptor 1 does not improve diabetes mellitus in Akita mice. PLoS ONE, 2018, 13, e0190863.	1.1	8
53	Mechanism of reactive oxygen species generation and oxidative DNA damage induced by acrylohydroxamic acid, a putative metabolite of acrylamide. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2022, 873, 503420.	0.9	8
54	Targeting fructose metabolism by glucose transporter 5 regulation in human cholangiocarcinoma. Genes and Diseases, 2022, 9, 1727-1741.	1.5	6

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55	Suppressed phosphorylation of collapsin response mediator protein-2 in the hippocampus of HCNP precursor transgenic mice. Brain Research, 2010, 1355, 180-188.	1.1	5
56	Rapid contralateral progression of focal cerebral arteriopathy distinguished from RNF213-related moyamoya disease and fibromuscular dysplasia. Child's Nervous System, 2017, 33, 1405-1409.	0.6	4
57	Importance of molecular diagnosis in the accurate diagnosis of systemic carnitine deficiency. Journal of Genetics, 2015, 94, 147-150.	0.4	3
58	Proteomic analysis of the monkey hippocampus for elucidating ischemic resistance. Journal of Clinical Biochemistry and Nutrition, 2020, 67, 167-173.	0.6	3
59	Suppression of RNF213, a susceptibility gene for moyamoya disease, inhibits endoplasmic reticulum stress through SEL1L upregulation. Biochemical and Biophysical Research Communications, 2022, 609, 62-68.	1.0	3
60	Copper-mediated DNA damage caused by purpurin, a natural anthraquinone. Genes and Environment, 2022, 44, 15.	0.9	3
61	E44Q mutation in NaV1.7 in a patient with infantile paroxysmal knee pain: electrophysiological analysis of voltage-dependent sodium current. Heliyon, 2021, 7, e07396.	1.4	2
62	Comment on â€œThyroid Cancer â€œEpidemicâ€: A Socio-Environmental Health Problem Needs Collaborative Effortsâ€: Environmental Science & Technology, 2020, 54, 9713-9714.	4.6	1
63	Characterization of Moyamoya and Middle Cerebral Artery Diseases by Carotid Canal Diameter and RNF213 p.R4810K Genotype. Journal of Stroke and Cerebrovascular Diseases, 2022, 31, 106481.	0.7	1
64	RNF213 as a Susceptibility Gene for Moyamoya Disease has Multifunctional Roles in Biological Processes. , 2021, , 47-60.		0
65	Pathological Investigation on RNF213: Animal Models Knockout and Transgenic Mice in Diabetes and Signal Transduction. Current Topics in Environmental Health and Preventive Medicine, 2017, , 69-78.	0.1	0