Hatasu Kobayashi

List of Publications by Citations

63 papers	2,174 citations	26 h-index	46 g-index
66 ext. papers	2,557 ext. citations	5 avg, IF	4.17 L-index

#	Paper	IF	Citations
63	Identification of RNF213 as a susceptibility gene for moyamoya disease and its possible role in vascular development. *PLoS ONE*, **2011**, 6, e22542	3.7	383
62	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, 121-30	11	193
61	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, 13-9	3.4	84
60	Distribution of moyamoya disease susceptibility polymorphism p.R4810K in RNF213 in East and Southeast Asian populations. *Neurologia Medico-Chirurgica*, **2012**, 52, 299-303	2.6	84
59	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	2.3	73
58	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,	6	72
57	A new horizon of moyamoya disease and associated health risks explored through RNF213. *Environmental Health and Preventive Medicine*, **2016**, 21, 55-70	4.2	69
56	Biological Monitoring of Human Exposure to Neonicotinoids Using Urine Samples, and Neonicotinoid Excretion Kinetics. *PLoS ONE*, **2016**, 11, e0146335	3.7	67
55	Proteomic identification of carbonylated proteins in the monkey hippocampus after ischemia-reperfusion. *Free Radical Biology and Medicine*, **2009**, 46, 1472-7	7.8	65
54	Clinical features of SCA36: a novel spinocerebellar ataxia with motor neuron involvement (Asidan). *Neurology*, **2012**, 79, 333-41	6.5	61
53	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, 111-20	3	61
52	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, 292-8	4.2	55
51	P.R4810K, a polymorphism of RNF213, the susceptibility gene for moyamoya disease, is associated with blood pressure. *Environmental Health and Preventive Medicine*, **2013**, 18, 121-9	4.2	50
50	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	4.2	48
49	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	7.8	44
48	Nitrative DNA damage and Oct3/4 expression in urinary bladder cancer with Schistosoma haematobium infection. *Biochemical and Biophysical Research Communications*, **2011**, 414, 344-9	3.4	41
47	The moyamoya disease susceptibility variant RNF213 R4810K (rs112735431) induces genomic instability by mitotic abnormality. *Biochemical and Biophysical Research Communications*, **2013**, 439, 419-26	3.4	40

46	Ablation of Rnf213 retards progression of diabetes in the Akita mouse. *Biochemical and Biophysical Research Communications*, **2013**, 432, 519-25	3.4	40
45	RNF213 Is Associated with Intracranial Aneurysms in the French-Canadian Population. *American Journal of Human Genetics*, **2016**, 99, 1072-1085	11	38
44	Significant association of RNF213 p.R4810K, a moyamoya susceptibility variant, with coronary artery disease. *PLoS ONE*, **2017**, 12, e0175649	3.7	37
43	Moyamoya Disease Susceptibility Variant RNF213 p.R4810K Increases the Risk of Ischemic Stroke Attributable to Large-Artery Atherosclerosis. *Circulation*, **2019**, 139, 295-298	16.7	37
42	Temporal trend and age-dependent serum concentration of phenolic organohalogen contaminants in Japanese men during 1989-2010. *Environmental Pollution*, **2014**, 185, 228-33	9.3	31
41	Rapid progression of unilateral moyamoya disease in a patient with a family history and an RNF213 risk variant. *Cerebrovascular Diseases*, **2013**, 36, 155-7	3.2	30
40	Genetic study of intracranial aneurysms. *Stroke*, **2015**, 46, 620-6	6.7	28
39	Infantile Pain Episodes Associated with Novel Nav1.9 Mutations in Familial Episodic Pain Syndrome in Japanese Families. *PLoS ONE*, **2016**, 11, e0154827	3.7	27
38	Identification of MMP1 as a novel risk factor for intracranial aneurysms in ADPKD using iPSC models. *Scientific Reports*, **2016**, 6, 30013	4.9	26
37	Cognitive and affective impairments of a novel SCA/MND crossroad mutation Asidan. *European Journal of Neurology*, **2012**, 19, 1070-8	6	26
36	RNF213 Rare Variants in Slovakian and Czech Moyamoya Disease Patients. *PLoS ONE*, **2016**, 11, e0164759	3.7	26
35	Genomewide association study identifies no major founder variant in Caucasian moyamoya disease. *Journal of Genetics*, **2013**, 92, 605-9	1.2	25
34	Mutant KCNJ3 and KCNJ5 Potassium Channels as Novel Molecular Targets in Bradyarrhythmias and Atrial Fibrillation. *Circulation*, **2019**, 139, 2157-2169	16.7	23
33	Dysregulation of RNF213 promotes cerebral hypoperfusion. *Scientific Reports*, **2018**, 8, 3607	4.9	22
32	Significant Association of the RNF213 p.R4810K Polymorphism with Quasi-Moyamoya Disease. *Journal of Stroke and Cerebrovascular Diseases*, **2016**, 25, 2632-2636	2.8	22
31	Prevalence of RNF213 p.R4810K Variant in Early-Onset Stroke With Intracranial Arterial Stenosis. *Stroke*, **2019**, 50, 1561-1563	6.7	20
30	Rare variants in RNF213, a susceptibility gene for moyamoya disease, are found in patients with pulmonary hypertension and aggravate hypoxia-induced pulmonary hypertension in mice. *Pulmonary Circulation*, **2018**, 8, 2045894018778155	2.7	20
29	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, 354-9	4.2	19

28	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	2.8	18
27	Mechanism of metal-mediated DNA damage and apoptosis induced by 6-hydroxydopamine in neuroblastoma SH-SY5Y cells. *Free Radical Research*, **2008**, 42, 651-60	4	17
26	Combined linkage analysis and exome sequencing identifies novel genes for familial goiter. *Journal of Human Genetics*, **2013**, 58, 366-77	4.3	16
25	Proteomic analysis of carbonylated proteins in the monkey substantia nigra after ischemia-reperfusion. *Free Radical Research*, **2014**, 48, 694-705	4	15
24	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	4.2	15
23	Perfluorinated carboxylic acids discharged from the Yodo River Basin, Japan. *Chemosphere*, **2015**, 138, 81-8	8.4	12
22	The mechanisms of oxidative DNA damage and apoptosis induced by norsalsolinol, an endogenous tetrahydroisoquinoline derivative associated with Parkinson disease. *Journal of Neurochemistry*, **2009**, 108, 397-407	6	12
21	Moyamoya disease patient mutations in the RING domain of RNF213 reduce its ubiquitin ligase activity and enhance NFB activation and apoptosis in an AAA+ domain-dependent manner. *Biochemical and Biophysical Research Communications*, **2020**, 525, 668-674	3.4	11
20	Early onset of moyamoya syndrome in a Down syndrome patient with the genetic variant RNF213 p.R4810K. *Brain and Development*, **2015**, 37, 822-4	2.2	10
19	Mechanism of DNA damage and apoptosis induced by tetrahydropapaveroline, a metabolite of dopamine. *Neurochemical Research*, **2006**, 31, 523-32	4.6	10
18	Polyphenols with Anti-Amyloid Aggregation Show Potential Risk of Toxicity Via Pro-Oxidant Properties. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	10
17	Damage to cellular and isolated DNA induced by a metabolite of aspirin. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2009**, 661, 93-100	3.3	7
16	Familial episodic limb pain in kindreds with novel Nav1.9 mutations. *PLoS ONE*, **2018**, 13, e0208516	3.7	6
15	Suppressed phosphorylation of collapsin response mediator protein-2 in the hippocampus of HCNP precursor transgenic mice. *Brain Research*, **2010**, 1355, 180-8	3.7	5
14	Cell-specific overexpression of adiponectin receptor 1 does not improve diabetes mellitus in Akita mice. *PLoS ONE*, **2018**, 13, e0190863	3.7	5
13	CD44v9 Induces Stem Cell-Like Phenotypes in Human Cholangiocarcinoma. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 417	5.7	4
12	Combination of RERG and ZNF671 methylation rates in circulating cell-free DNA: A novel biomarker for screening of nasopharyngeal carcinoma. *Cancer Science*, **2020**, 111, 2536-2545	6.9	4
11	Rapid contralateral progression of focal cerebral arteriopathy distinguished from RNF213-related moyamoya disease and fibromuscular dysplasia. *Childs Nervous System*, **2017**, 33, 1405-1409	1.7	3

10	Importance of molecular diagnosis in the accurate diagnosis of systemic carnitine deficiency. *Journal of Genetics*, **2015**, 94, 147-50	1.2	3
9	Comment on "Thyroid Cancer "Epidemic": A Socio-Environmental Health Problem Needs Collaborative Efforts". *Environmental Science & Technology*, **2020**, 54, 9713-9714	10.3	1
8	Proteomic analysis of the monkey hippocampus for elucidating ischemic resistance. *Journal of Clinical Biochemistry and Nutrition*, **2020**, 67, 167-173	3.1	1
7	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	3	0
6	E44Q mutation in Na1.7 in a patient with infantile paroxysmal knee pain: electrophysiological analysis of voltage-dependent sodium current. *Heliyon*, **2021**, 7, e07396	3.6	0
5	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	3.4	0
4	Copper-mediated DNA damage caused by purpurin, a natural anthraquinone.. *Genes and Environment*, **2022**, 44, 15	2.8	0
3	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	0.3	
2	RNF213 as a Susceptibility Gene for Moyamoya Disease has Multifunctional Roles in Biological Processes **2021**, 47-60		
1	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	2.8	