Tomohiro Aoki

List of Publications by Year
in descending order

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68	3,160	201385 27	161609 54
papers	citations	h-index	g-index

71	71	71	3011
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pathophysiology and Natural History of Intracranial Aneurysms. Japanese Journal of Neurosurgery, 2022, 31, 74-80.	0.0	0
2	The cerebral artery in cynomolgus monkeys (<i>Macaca fascicularis</i>). Experimental Animals, 2022, 71, 391-398.	0.7	2
3	The bifurcation angle is associated with the progression of saccular aneurysms. Scientific Reports, 2022, 12, 7409.	1.6	1
4	Candidate drugs for preventive treatment of unruptured intracranial aneurysms. Tenri Medical Bulletin, 2022, 25, 78-79.	0.1	0
5	Hemodynamic Force as a Potential Regulator of Inflammation-Mediated Focal Growth of Saccular Aneurysms in a Rat Model. Journal of Neuropathology and Experimental Neurology, 2021, 80, 79-88.	0.9	19
6	Candidate drugs for preventive treatment of unruptured intracranial aneurysms: A cross-sectional study. PLoS ONE, 2021, 16, e0246865.	1.1	9
7	Induction of CCN1 in Growing Saccular Aneurysms: A Potential Marker Predicting Unstable Lesions. Journal of Neuropathology and Experimental Neurology, 2021, 80, 695-704.	0.9	8
8	Two Diverse Hemodynamic Forces, a Mechanical Stretch and a High Wall Shear Stress, Determine Intracranial Aneurysm Formation. Translational Stroke Research, 2020, 11, 80-92.	2.3	35
9	Rat Model of Intracranial Aneurysm: Variations, Usefulness, and Limitations of theÂHashimoto Model. Acta Neurochirurgica Supplementum, 2020, 127, 35-41.	0.5	12
10	Involvement of neutrophils in machineries underlying the rupture of intracranial aneurysms in rats. Scientific Reports, 2020, 10, 20004.	1.6	24
11	Dedifferentiation of smooth muscle cells in intracranial aneurysms and its potential contribution to the pathogenesis. Scientific Reports, 2020, 10, 8330.	1.6	12
12	The Bilateral Ovariectomy in a Female Animal Exacerbates the Pathogenesis of an Intracranial Aneurysm. Brain Sciences, 2020, 10, 335.	1.1	8
13	Hemodynamic and Histopathological Changes in the Early Phase of the Development of an Intracranial Aneurysm. Neurologia Medico-Chirurgica, 2020, 60, 319-328.	1.0	17
14	Eicosapentaenoic acid prevents the progression of intracranial aneurysms in rats. Journal of Neuroinflammation, 2020, 17, 129.	3.1	9
15	Vasa vasorum formation is associated with rupture of intracranial aneurysms. Journal of Neurosurgery, 2020, 133, 789-799.	0.9	14
16	Future Perspectives of Intervention for Cerebral Aneurysms. Japanese Journal of Neurosurgery, 2020, 29, 101-108.	0.0	0
17	T cellâ€"intrinsic prostaglandin E2-EP2/EP4 signaling is critical in pathogenic TH17 cellâ€"driven inflammation. Journal of Allergy and Clinical Immunology, 2019, 143, 631-643.	1.5	81
18	RNA sequencing analysis revealed the induction of CCL3 expression in human intracranial aneurysms. Scientific Reports, 2019, 9, 10387.	1.6	18

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19	High-Fat Diet Intake Promotes the Enlargement and Degenerative Changes in the Media of Intracranial Aneurysms in Rats. Journal of Neuropathology and Experimental Neurology, 2019, 78, 798-807.	0.9	11
20	Flow-induced, inflammation-mediated arterial wall remodeling in the formation and progression of intracranial aneurysms. Neurosurgical Focus, 2019, 47, E21.	1.0	157
21	Macrophage Imaging of Intracranial Aneurysms. Neurologia Medico-Chirurgica, 2019, 59, 257-263.	1.0	14
22	Intracranial Aneurysm as a Macrophage-mediated Inflammatory Disease. Neurologia Medico-Chirurgica, 2019, 59, 126-132.	1.0	47
23	KRAS G12D or G12V Mutation in Human Brain Arteriovenous Malformations. World Neurosurgery, 2019, 126, e1365-e1373.	0.7	33
24	Real-time Imaging of an Experimental Intracranial Aneurysm in Rats. Neurologia Medico-Chirurgica, 2019, 59, 19-26.	1.0	7
25	Molecular events regulating the pathogenesis of intracranial aneurysms: Special insight on hemodynamics and chronic inflammation. Journal of Biorheology, 2019, 33, 28-31.	0.2	0
26	Prostaglandin E2 stimulates adaptive IL-22 production and promotes allergic contact dermatitis. Journal of Allergy and Clinical Immunology, 2018, 141, 152-162.	1.5	43
27	Embarking on New Era of a Treatment and a Diagnosis of an Intracranial Aneurysm. Japanese Journal of Neurosurgery, 2018, 27, 882-888.	0.0	0
28	An S1P1 agonist, ASP4058, as a potential therapeutic candidate for intracranial aneurysm treatment. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-3-30.	0.0	0
29	Prostaglandin E2-EP2-NF-kB signaling in macrophages mediates chronic inflammation during intracranial aneurysm formation and becomes a potential therapeutic target. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-4-2.	0.0	0
30	Prostaglandin E ₂ â€“EP2â€“NF-ÎºB signaling in macrophages as a potential therapeutic target for intracranial aneurysms. Science Signaling, 2017, 10, .	1.6	121
31	A sphingosineâ€1â€phosphate receptor type 1 agonist, ASP4058, suppresses intracranial aneurysm through promoting endothelial integrity and blocking macrophage transmigration. British Journal of Pharmacology, 2017, 174, 2085-2101.	2.7	33
32	Macrophage Imaging of Cerebral Aneurysms with Ferumoxytol: an Exploratory Study in an Animal Model and in Patients. Journal of Stroke and Cerebrovascular Diseases, 2017, 26, 2055-2064.	0.7	25
33	T cell function is dispensable for intracranial aneurysm formation and progression. PLoS ONE, 2017, 12, e0175421.	1.1	28
34	Targeting macrophages to treat intracranial aneurysm. Oncotarget, 2017, 8, 104704-104705.	0.8	6
35	Preemptive Medicine for Cerebral Aneurysms. Neurologia Medico-Chirurgica, 2016, 56, 552-568.	1.0	18
36	Sustained expression of MCP-1 by low wall shear stress loading concomitant with turbulent flow on endothelial cells of intracranial aneurysm. Acta Neuropathologica Communications, 2016, 4, 48.	2.4	46

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37	Prostaglandin E2-EP4 signaling persistently amplifies CD40-mediated induction of IL-23 p19 expression through canonical and non-canonical NF-Î°B pathways. Cellular and Molecular Immunology, 2016, 13, 240-250.	4.8	22
38	Definition of Prostaglandin E2â€"EP2 Signals in the Colon Tumor Microenvironment That Amplify Inflammation and Tumor Growth. Cancer Research, 2015, 75, 2822-2832.	0.4	104
39	Molecular Basis for Intracranial Aneurysm Formation. Acta Neurochirurgica Supplementum, 2015, 120, 13-15.	0.5	29
40	Inflammation mediates the pathogenesis of cerebral aneurysm and becomes therapeutic target. Neuroimmunology and Neuroinflammation, 2015, 2, 86.	1.4	6
41	Critical role of TNF-alpha-TNFR1 signaling in intracranial aneurysm formation. Acta Neuropathologica Communications, 2014, 2, 34.	2.4	76
42	Statin Use and Risk of Cerebral Aneurysm Rupture: A Hospital-based Caseâ€"control Study in Japan. Journal of Stroke and Cerebrovascular Diseases, 2014, 23, 343-348.	0.7	58
43	Chronic inflammation in intracranial aneurysm formation. Inflammation and Regeneration, 2013, 33, 283-287.	1.5	2
44	Imidapril Inhibits Cerebral Aneurysm Formation in an Angiotensin-Converting Enzymeâ€"Independent and Matrix Metalloproteinase-9â€"Dependent Manner. Neurosurgery, 2012, 70, 722-730.	0.6	17
45	Regression of Intracranial Aneurysms by Simultaneous Inhibition of Nuclear Factor-Î°B and Ets With Chimeric Decoy Oligodeoxynucleotide Treatment. Neurosurgery, 2012, 70, 1534-1543.	0.6	37
46	Prostaglandins and chronic inflammation. Trends in Pharmacological Sciences, 2012, 33, 304-311.	4.0	241
47	The Development and the Use of Experimental Animal Models to Study the Underlying Mechanisms of CA Formation. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-10.	3.0	63
48	Contribution of Mast Cells to Cerebral Aneurysm Formation. Current Neurovascular Research, 2010, 7, 113-124.	0.4	55
49	Molecular mechanism of cerebral aneurysm formation focusing on NF-Î°B as a key mediator of inflammation. Journal of Biorheology, 2010, 24, 16-21.	0.2	5
50	Toll-like receptor 4 expression during cerebral aneurysm formation. Journal of Neurosurgery, 2010, 113, 851-858.	0.9	29
51	Targeting chronic inflammation in cerebral aneurysms: focusing on NF-Î°B as a putative target of medical therapy. Expert Opinion on Therapeutic Targets, 2010, 14, 265-273.	1.5	46
52	Molecular basis for the development of intracranial aneurysm. Expert Review of Neurotherapeutics, 2010, 10, 173-187.	1.4	15
53	Production and degeneration of extracellular matrix regulates cerebral aneurysm growth and are potential targets for aneurysm treatment. Nosotchu, 2010, 32, 538-543.	0.0	0
54	Impact of Monocyte Chemoattractant Protein-1 Deficiency on Cerebral Aneurysm Formation. Stroke, 2009, 40, 942-951.	1.0	200

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55	Reduced Collagen Biosynthesis Is the Hallmark of Cerebral Aneurysm. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 1080-1086.	1.1	103
56	Reactive oxygen species modulate growth of cerebral aneurysms: a study using the free radical scavenger edaravone and p47phoxâˆ'/âˆ' mice. Laboratory Investigation, 2009, 89, 730-741.	1.7	64
57	PITAVASTATIN SUPPRESSES FORMATION AND PROGRESSION OF CEREBRAL ANEURYSMS THROUGH INHIBITION OF THE NUCLEAR FACTOR Î°B PATHWAY. Neurosurgery, 2009, 64, 357-366.	0.6	79
58	Role of angiotensin II type 1 receptor in cerebral aneurysm formation in rats. International Journal of Molecular Medicine, 2009, 24, 353-9.	1.8	20
59	Cathepsin B, K, and S Are Expressed in Cerebral Aneurysms and Promote the Progression of Cerebral Aneurysms. Stroke, 2008, 39, 2603-2610.	1.0	96
60	Gene Expression during the Development of Experimentally Induced Cerebral Aneurysms. Journal of Vascular Research, 2008, 45, 343-349.	0.6	14
61	Nifedipine Inhibits the Progression of An Experimentally Induced Cerebral Aneurysm in Rats with Associated Down-Regulation of NF-Kappa B Transcriptional Activity. Current Neurovascular Research, 2008, 5, 37-45.	0.4	27
62	Simvastatin Suppresses the Progression of Experimentally Induced Cerebral Aneurysms in Rats. Stroke, 2008, 39, 1276-1285.	1.0	131
63	The efficacy of apolipoprotein E deficiency in cerebral aneurysm formation. International Journal of Molecular Medicine, 2008, 21, 453-9.	1.8	8
64	Gene expression profile of the intima and media of experimentally induced cerebral aneurysms in rats by laser-microdissection and microarray techniques. International Journal of Molecular Medicine, 2008, 22, 595-603.	1.8	25
65	Role of TIMP-1 and TIMP-2 in the Progression of Cerebral Aneurysms. Stroke, 2007, 38, 2337-2345.	1.0	109
66	NF-Î°B Is a Key Mediator of Cerebral Aneurysm Formation. Circulation, 2007, 116, 2830-2840.	1.6	218
67	Macrophage-Derived Matrix Metalloproteinase-2 and -9 Promote the Progression of Cerebral Aneurysms in Rats. Stroke, 2007, 38, 162-169.	1.0	269
68	Impaired Progression of Cerebral Aneurysms in Interleukin-1Î²â€"Deficient Mice. Stroke, 2006, 37, 900-905.	1.0	126