Hua Su

List of Publications by Year
in descending order

106	4,871	76326	106344
papers	citations	40 h-index	65 g-index

108	108	108	5954
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Somatic mosaicism in the MAPK pathway in sporadic brain arteriovenous malformation and association with phenotype. Journal of Neurosurgery, 2022, 136, 148-155.	1.6	12
2	Genetics and Vascular Biology of Brain Vascular Malformations. , 2022, , 138-152.e8.		0
3	Bone Marrow-Derived Alk1 Mutant Endothelial Cells and Clonally Expanded Somatic Alk1 Mutant Endothelial Cells Contribute to the Development of Brain Arteriovenous Malformations in Mice. Translational Stroke Research, 2022, 13, 494-504.	4.2	8
4	Brain vascular biology. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2021, 176, 49-69.	1.8	4
5	The role of mural cells in hemorrhage of brain arteriovenous malformation. Brain Hemorrhages, 2021, 2, 49-56.	1.0	4
6	Reduction of neuroinflammation alleviated mouse post bone fracture and stroke memory dysfunction. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 2162-2173.	4.3	8
7	Proof-of-concept single-arm trial of bevacizumab therapy for brain arteriovenous malformation. BMJ Neurology Open, 2021, 3, e000114.	1.6	9
8	Review of treatment and therapeutic targets in brain arteriovenous malformation. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 3141-3156.	4.3	18
9	Effect of elevation of vascular endothelial growth factor level on exacerbation of hemorrhage in mouse brain arteriovenous malformation. Journal of Neurosurgery, 2020, 132, 1566-1573.	1.6	27
10	Fracture shortly before stroke in mice leads to hippocampus inflammation and long-lasting memory dysfunction. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 446-455.	4.3	7
11	Bone Fracture Enhanced Blood-Brain Barrier Breakdown in the Hippocampus and White Matter Damage of Stroke Mice. International Journal of Molecular Sciences, 2020, 21, 8481.	4.1	3
12	Concurrent presentation of brain arteriovenous malformation, peripheral arteriovenous malformation, and cerebellar astrocytoma: Case report. Interdisciplinary Neurosurgery: Advanced Techniques and Case Management, 2020, 20, 100689.	0.3	0
13	Reduction of endoglin receptor impairs mononuclear cell-migration. , 2020, 1, 136-148.		7
14	Risk factors for hemorrhage of brain arteriovenous malformation. CNS Neuroscience and Therapeutics, 2019, 25, 1085-1095.	3.9	39
15	Recent Advances in Basic Research for Brain Arteriovenous Malformation. International Journal of Molecular Sciences, 2019, 20, 5324.	4.1	34
16	Risk factors for ischemic stroke post bone fracture. Journal of Clinical Neuroscience, 2019, 59, 224-228.	1.5	5
17	Induction of Brain Arteriovenous Malformation Through CRISPR/Cas9-Mediated Somatic Alk1 Gene Mutations in Adult Mice. Translational Stroke Research, 2019, 10, 557-565.	4.2	11
18	Reductions in brain pericytes are associated with arteriovenous malformation vascular instability. Journal of Neurosurgery, 2018, 129, 1464-1474.	1.6	84

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19	Thalidomide Reduces Hemorrhage of Brain Arteriovenous Malformations in a Mouse Model. Stroke, 2018, 49, 1232-1240.	2.0	56
20	Endovascular Biopsy: In Vivo Cerebral Aneurysm Endothelial Cell Sampling and Gene Expression Analysis. Translational Stroke Research, 2018, 9, 20-33.	4.2	32
21	Increased Inflammatory Response in Old Mice is Associated with More Severe Neuronal Injury at the Acute Stage of Ischemic Stroke. , 2018, 10, 12-22.		37
22	Single-cell RNA sequencing reveals gene expression signatures of breast cancer-associated endothelial cells. Oncotarget, 2018, 9, 10945-10961.	1.8	45
23	Impact of Bone Fracture on Ischemic Stroke Recovery. International Journal of Molecular Sciences, 2018, 19, 1533.	4.1	11
24	SIRT3 Protects Rotenone-induced Injury in SH-SY5Y Cells by Promoting Autophagy through the LKB1-AMPK-mTOR Pathway. , 2018, 9, 273.		85
25	Animal Models and Prospective Therapeutic Targets for Brain Arteriovenous Malformation. , 2018, , 83-126.		0
26	Activation of Alpha-7 Nicotinic Acetylcholine Receptor Reduces Brain Edema in Mice with Ischemic Stroke and Bone Fracture. Molecular Neurobiology, 2017, 54, 8278-8286.	4.0	22
27	Soluble FLT1 Gene Therapy Alleviates Brain Arteriovenous Malformation Severity. Stroke, 2017, 48, 1420-1423.	2.0	20
28	Higher Flow Is Present in Unruptured Arteriovenous Malformations With Silent Intralesional Microhemorrhages. Stroke, 2017, 48, 2881-2884.	2.0	35
29	Weak Organic Acids Decrease Borrelia burgdorferi Cytoplasmic pH, Eliciting an Acid Stress Response and Impacting RpoN- and RpoS-Dependent Gene Expression. Frontiers in Microbiology, 2017, 8, 1734.	3.5	19
30	The roles of endoglin gene in cerebrovascular diseases. Neuroimmunology and Neuroinflammation, 2017, 4, 199.	1.4	10
31	Inflammation and genetic factors in stroke pathogenesis. Neuroimmunology and Neuroinflammation, 2017, 4, 260.	1.4	3
32	Impact and risk factors of post-stroke bone fracture. World Journal of Experimental Medicine, 2016, 6, 1.	1.7	23
33	SIRT3 Acts as a Neuroprotective Agent in Rotenone-Induced Parkinson Cell Model. Neurochemical Research, 2016, 41, 1761-1773.	3.3	56
34	Carnosic Acid Prevents Beta-Amyloid-Induced Injury in Human Neuroblastoma SH-SY5Y Cells via the Induction of Autophagy. Neurochemical Research, 2016, 41, 2311-2323.	3.3	32
35	Persistent infiltration and pro-inflammatory differentiation of monocytes cause unresolved inflammation in brain arteriovenous malformation. Angiogenesis, 2016, 19, 451-461.	7.2	41
36	Integrin Î²8 Deletion Enhances Vascular Dysplasia and Hemorrhage in the Brain of Adult Alk1 Heterozygous Mice. Translational Stroke Research, 2016, 7, 488-496.	4.2	16

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37	Genetics and Vascular Biology of Angiogenesis and Vascular Malformations. , 2016, , 149-162.e7.		4
38	Vascular Integrity in the Pathogenesis of Brain Arteriovenous Malformation. Acta Neurochirurgica Supplementum, 2016, 121, 29-35.	1.0	20
39	Bone Fracture Pre-Ischemic Stroke Exacerbates Ischemic Cerebral Injury in Mice. PLoS ONE, 2016, 11, e0153835.	2.5	13
40	Morphometric characterization of brain arteriovenous malformations for clinical and radiological studies to identify silent intralesional microhemorrhages. , 2016, 35, 114-121.		10
41	Adult Mouse Venous Hypertension Model: Common Carotid Artery to External Jugular Vein Anastomosis.. Journal of Visualized Experiments, 2015, , 50472.	0.3	8
42	Endovascular biopsy: Strategy for analyzing gene expression profiles of individual endothelial cells obtained from human vessels. Biotechnology Reports (Amsterdam, Netherlands), 2015, 7, 157-165.	4.4	11
43	Endovascular biopsy: Technical feasibility of novel endothelial cell harvesting devices assessed in a rabbit aneurysm model. Interventional Neuroradiology, 2015, 21, 120-128.	1.1	12
44	The Role of Macrophage in the Pathogenesis of Brain Arteriovenous Malformation. International Journal of Hematology Research, 2015, 1, 52-56.	0.2	10
45	Activation of Î±-7 Nicotinic Acetylcholine Receptor Reduces Ischemic Stroke Injury through Reduction of Pro-Inflammatory Macrophages and Oxidative Stress. PLoS ONE, 2014, 9, e105711.	2.5	88
46	Distinctive distribution of lymphocytes in unruptured and previously untreated brain arteriovenous malformation. Neuroimmunology and Neuroinflammation, 2014, 1, 147.	1.4	24
47	De Novo Cerebrovascular Malformation in the Adult Mouse After Endothelial Alk1 Deletion and Angiogenic Stimulation. Stroke, 2014, 45, 900-902.	2.0	74
48	Endoglin Deficiency Impairs Stroke Recovery. Stroke, 2014, 45, 2101-2106.	2.0	21
49	Endothelial cell high-enrichment from endovascular biopsy sample by laser capture microdissection and fluorescence activated cell sorting. Journal of Biotechnology, 2014, 192, 34-39.	3.8	14
50	Alphaâ€7 nicotinic acetylcholine receptor agonist treatment reduces neuroinflammation, oxidative stress, and brain injury in mice with ischemic stroke and bone fracture. Journal of Neurochemistry, 2014, 131, 498-508.	3.9	94
51	Brain Arteriovenous Malformation Modeling, Pathogenesis, and Novel Therapeutic Targets. Translational Stroke Research, 2014, 5, 316-329.	4.2	54
52	Induction of Brain Arteriovenous Malformation in the Adult Mouse. Methods in Molecular Biology, 2014, 1135, 309-316.	0.9	16
53	Novel Brain Arteriovenous Malformation Mouse Models for Type 1 Hereditary Hemorrhagic Telangiectasia. PLoS ONE, 2014, 9, e88511.	2.5	94
54	Intravenous Delivery of Adeno-Associated Viral Vector Serotype 9 Mediates Effective Gene Expression in Ischemic Stroke Lesion and Brain Angiogenic Foci. Stroke, 2013, 44, 252-254.	2.0	22

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55	Endoglin Deficiency in Bone Marrow is Sufficient to Cause Cerebrovascular Dysplasia in the Adult Mouse After Vascular Endothelial Growth Factor Stimulation. Stroke, 2013, 44, 795-798.	2.0	21
56	Reduced Mural Cell Coverage and Impaired Vessel Integrity After Angiogenic Stimulation in the Alk1 -deficient Brain. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 305-310.	2.4	82
57	Endovascular Biopsy: Evaluating the Feasibility of Harvesting Endothelial Cells Using Detachable Coils. Interventional Neuroradiology, 2013, 19, 399-408.	1.1	15
58	Depletion of Bone Marrowâ€“derived Macrophages Perturbs the Innate Immune Response to Surgery and Reduces Postoperative Memory Dysfunction. Anesthesiology, 2013, 118, 527-536.	2.5	127
59	Bone Fracture Exacerbates Murine Ischemic Cerebral Injury. Anesthesiology, 2013, 118, 1362-1372.	2.5	41
60	Abstract TMP69: Endoglin Deficiency Exacerbates Ischemic Brain Injury. Stroke, 2013, 44, .	2.0	1
61	Bevacizumab Attenuates VEGF-Induced Angiogenesis and Vascular Malformations in the Adult Mouse Brain. Stroke, 2012, 43, 1925-1930.	2.0	101
62	Silent Intralesional Microhemorrhage as a Risk Factor for Brain Arteriovenous Malformation Rupture. Stroke, 2012, 43, 1240-1246.	2.0	78
63	Minimal Homozygous Endothelial Deletion of Eng with VEGF Stimulation Is Sufficient to Cause Cerebrovascular Dysplasia in the Adult Mouse. Cerebrovascular Diseases, 2012, 33, 540-547.	1.7	74
64	Perlecan domain V is upregulated in human brain arteriovenous malformation and could mediate the vascular endothelial growth factor effect in lesional tissue. NeuroReport, 2012, 23, 627-630.	1.2	13
65	Sca-1+ Cardiosphere-Derived Cells Are Enriched for Isl1-Expressing Cardiac Precursors and Improve Cardiac Function after Myocardial Injury. PLoS ONE, 2012, 7, e30329.	2.5	75
66	Perlecan domain V is upregulated in human brain arteriovenous malformation and could mediate the vascular endothelial growth factor effect in lesional tissue. NeuroReport, 2012, 23, 627-630.	1.2	10
67	Ferumoxytol-Enhanced MRI to Image Inflammation Within Human Brain Arteriovenous Malformations: a Pilot Investigation. Translational Stroke Research, 2012, 3, 166-173.	4.2	48
68	Coexpression of Angiopoietin-1 with VEGF Increases the Structural Integrity of the Bloodâ€“Brain Barrier and Reduces Atrophy Volume. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 2343-2351.	4.3	65
69	Cerebrovascular Casting of the Adult Mouse for 3D Imaging and Morphological Analysis. Journal of Visualized Experiments, 2011, , e2958.	0.3	23
70	AAV-mediated netrin-1 overexpression increases peri-infarct blood vessel density and improves motor function recovery after experimental stroke. Neurobiology of Disease, 2011, 44, 73-83.	4.4	64
71	Arteriovenous malformation in the adult mouse brain resembling the human disease. Annals of Neurology, 2011, 69, 954-962.	5.3	109
72	Brain Arteriovenous Malformation Pathogenesis: A Response-to-Injury Paradigm. Acta Neurochirurgica Supplementum, 2011, 111, 83-92.	1.0	117

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73	Bone Marrow-Derived Cells Contribute to Vascular Endothelial Growth Factorâ€"Induced Angiogenesis in the Adult Mouse Brain by Supplying Matrix Metalloproteinase-9. Stroke, 2011, 42, 453-458.	2.0	41
74	Coexpression of VEGF and angiopoietin-1 promotes angiogenesis and cardiomyocyte proliferation reduces apoptosis in porcine myocardial infarction (MI) heart. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2064-2069.	7.1	158
75	Treatment of Focal Brain Ischemia with Viral Vector-Mediated Gene Transfer. Methods in Molecular Biology, 2011, 686, 429-446.	0.9	7
76	Evidence of Endothelial Progenitor Cells in the Human Brain and Spinal Cord Arteriovenous Malformations. Neurosurgery, 2010, 67, 1029-1035.	1.1	31
77	VEGF Induces More Severe Cerebrovascular Dysplasia in Eng+/â˜' than in Alk1+/â˜' Mice. Translational Stroke Research, 2010, 1, 197-201.	4.2	60
78	Endothelial progenitor cell transplantation improves longâ€term stroke outcome in mice. Annals of Neurology, 2010, 67, 488-497.	5.3	271
79	Essential Regulation of CNS Angiogenesis by the Orphan G Proteinâ€"Coupled Receptor GPR124. Science, 2010, 330, 985-989.	12.6	247
80	MicroRNA-9 Coordinates Proliferation and Migration of Human Embryonic Stem Cell-Derived Neural Progenitors. Cell Stem Cell, 2010, 6, 323-335.	11.1	307
81	Reduced Expression of Integrin Î±vÎ²8 Is Associated with Brain Arteriovenous Malformation Pathogenesis. American Journal of Pathology, 2010, 176, 1018-1027.	3.8	56
82	Brain Arteriovenous Malformation Biology Relevant to Hemorrhage and Implication for Therapeutic Development. Stroke, 2009, 40, S95-7.	2.0	50
83	Attenuation of Brain Response to Vascular Endothelial Growth Factor-Mediated Angiogenesis and Neurogenesis in Aged Mice. Stroke, 2009, 40, 3596-3600.	2.0	55
84	Soluble endoglin modulates aberrant cerebral vascular remodeling. Annals of Neurology, 2009, 66, 19-27.	5.3	39
85	Combining angiogenic gene and stem cell therapies for myocardial infarction. Journal of Gene Medicine, 2009, 11, 743-753.	2.8	48
86	Nonischemic cerebral venous hypertension promotes a pro-angiogenic stage through HIF-1 downstream genes and leukocyte-derived MMP-9. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 1482-1490.	4.3	32
87	Additive effect of AAV-mediated angiopoietin-1 and VEGF expression on the therapy of infarcted heart. International Journal of Cardiology, 2009, 133, 191-197.	1.7	34
88	Restoring Transcription Factor HoxA5 Expression Inhibits the Growth of Experimental Hemangiomas in the Brain. Journal of Neuropathology and Experimental Neurology, 2009, 68, 626-632.	1.7	15
89	Overexpression of Netrin-1 Induces Neovascularization in the Adult Mouse Brain. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 1543-1551.	4.3	59
90	VEGF improves survival of mesenchymal stem cells in infarcted hearts. Biochemical and Biophysical Research Communications, 2008, 376, 419-422.	2.1	127

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91	Contribution of Bone Marrowâ€“Derived Cells Associated With Brain Angiogenesis Is Primarily Through CD69 ⁺. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 2151-2157.	2.4	32
92	Increased tissue perfusion promotes capillary dysplasia in the ALK1-deficient mouse brain following VEGF stimulation. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H2250-H2256.	3.2	41
93	Adeno-Associated Viral Vector-Delivered Hypoxia-Inducible Gene Expression in Ischemic Hearts. Methods in Molecular Biology, 2007, 366, 331-342.	0.9	11
94	Neutrophil Depletion Decreases VEGF-Induced Focal Angiogenesis in the Mature Mouse Brain. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 1853-1860.	4.3	54
95	Recombinant adeno-associated viral vector encoding human VEGF165 induces neomicrovessel formation in the adult mouse brain. Frontiers in Bioscience - Landmark, 2006, 11, 3190.	3.0	35
96	Adeno-Associated Viral Vector-Mediated Hypoxia-Inducible Vascular Endothelial Growth Factor Gene Expression Attenuates Ischemic Brain Injury After Focal Cerebral Ischemia in Mice. Stroke, 2006, 37, 2601-2606.	2.0	85
97	AAV Serotype-1 mediates early onset of gene expression in mouse hearts and results in better therapeutic effect. Gene Therapy, 2006, 13, 1495-1502.	4.5	49
98	Adeno-associated viral vector delivers cardiac-specific and hypoxia-inducible VEGF expression in ischemic mouse hearts. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16280-16285.	7.1	104
99	Adeno-associated viral vector-mediated gene transfer of VEGF normalizes skeletal muscle oxygen tension and induces arteriogenesis in ischemic rat hindlimb. Molecular Therapy, 2003, 7, 44-51.	8.2	50
100	Adeno-associated viral vector-mediated hypoxia response element-regulated gene expression in mouse ischemic heart model. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 9480-9485.	7.1	130
101	Adeno-Associated Viral-Mediated Gene Transfer to Hepatoma: Thymidine Kinase/Interleukin 2 Is More Effective in Tumor Killing in Non-Ganciclovir (GCV)-Treated Than in GCV-Treated Animals. Molecular Therapy, 2000, 1, 509-515.	8.2	31
102	Cytogenetic and molecular studies of a familial paracentric inversion of Y chromosome present in a patient with ambiguous genitalia. American Journal of Medical Genetics Part A, 1997, 70, 134-137.	2.4	9
103	Selective Killing of AFP-Positive Hepatocellular Carcinoma Cells by Adeno-Associated Virus Transfer of the Herpes Simplex Virus Thymidine Kinase Gene. Human Gene Therapy, 1996, 7, 463-470.	2.7	95
104	Isolation of a phylogenetically conserved and testis-specific gene using a monoclonal antibody against the serological H-Y antigen. Journal of Reproductive Immunology, 1992, 21, 275-291.	1.9	25
105	Demonstration of a stage-specific expression of the zfy protein in fetal mouse testis using anti-peptide antibodies. Molecular Reproduction and Development, 1992, 33, 252-258.	2.0	6
106	Potential Targets for the Treatment of Brain Arteriovenous Malformations. Translational Stroke Research, 0, , .	4.2	0