Hualong Bai

List of Publications by Year
in descending order

59 papers	945 citations	471509 17 h-index	526287 27 g-index
59 all docs	59 docs citations	59 times ranked	847 citing authors

#	Article	IF	Citations
1	A three-layered hydrogel patch with hierarchy releasing of PLGA nanoparticle drugs decrease neointimal hyperplasia. Smart Materials in Medicine, 2022, 3, 139-147.	6.7	22
2	Biodegraded PCl and gelatin fabricated vascular patch in rat aortic and inferior vena cava angioplasty. Microvascular Research, 2022, 141, 104314.	2.5	3
3	ADAM17: A novel treatment target for aneurysms. Biomedicine and Pharmacotherapy, 2022, 148, 112712.	5.6	2
4	Egg Shell Membrane as an Alternative Vascular Patch for Arterial Angioplasty. Frontiers in Bioengineering and Biotechnology, 2022, 10, 843590.	4.1	3
5	PLGA Nanoparticle Rapamycin- or Necrostatin-1-Coated Sutures Inhibit Inflammatory Reactions after Arterial Closure in Rats. ACS Applied Bio Materials, 2022, 5, 1501-1507.	4.6	5
6	Adventitial injection of HA/SA hydrogel loaded with PLGA rapamycin nanoparticle inhibits neointimal hyperplasia in a rat aortic wire injury model. Drug Delivery and Translational Research, 2022, 12, 2950-2959.	5.8	6
7	A Systematic Review and Meta-Analysis of Seasonal and Monthly Variability in the Incidence of Acute Aortic Dissection. Annals of Vascular Surgery, 2022, 85, 383-394.	0.9	2
8	Intramural injection of pluronic gel loaded with drugs to alleviate arterial injury. Microvascular Research, 2022, 142, 104370.	2.5	1
9	The Current State of Vascular Surgery Presence in Bilibili Video Platform of China. Frontiers in Surgery, 2022, 9, 874113.	1.4	6
10	Systematic Review and Meta-Analysis of Published Studies on Endovascular Repair of Abdominal Aortic Aneurysm With the p-Branch. Frontiers in Surgery, 2022, 9, 879682.	1.4	3
11	Delivery of rivaroxaban and chitosan rapamycin microparticle with dual antithrombosis and antiproliferation functions inhibits venous neointimal hyperplasia. Drug Delivery, 2022, 29, 1994-2001.	5.7	0
12	Inhibition of programmed deathâ€1 decreases neointimal hyperplasia after patch angioplasty. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 269-278.	3.4	20
13	Endothelial nitric oxide synthase (eNOS) mediates neointimal thickness in arteriovenous fistulae with different anastomotic angles in rats. Journal of Vascular Access, 2021, , 112972982199653.	0.9	2
14	Application of the Tissue-Engineered Plant Scaffold as a Vascular Patch. ACS Omega, 2021, 6, 11595-11601.	3.5	18
15	In Situ Laser Fenestration for Delayed Left Subclavian Artery Revascularization Following Thoracic Endovascular Aortic Repair of Type B Aortic Dissection. Vascular and Endovascular Surgery, 2021, 55, 153857442110103.	0.7	4
16	A novel intramural TGF Î² 1 hydrogel delivery method to decrease murine abdominal aortic aneurysm and rat aortic pseudoaneurysm formation and progression. Biomedicine and Pharmacotherapy, 2021, 137, 111296.	5.6	12
17	Effect of inferior vena cava filters on pulmonary embolism-related mortality and major complications: a systematic review and meta-analysis of randomized controlled trials. Journal of Vascular Surgery: Venous and Lymphatic Disorders, 2021, 9, 792-800.e2.	1.6	18
18	Chronic social defeat stress mouse model: Current view on its behavioral deficits and modifications.. Behavioral Neuroscience, 2021, 135, 326-335.	1.2	31

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19	Programmed death-1 mediates venous neointimal hyperplasia in humans and rats. Aging, 2021, 13, 16656-16666.	3.1	9
20	Hydrogel-coated needles prevent puncture site bleeding. Acta Biomaterialia, 2021, 128, 305-313.	8.3	17
21	HCG18 Participates in Vascular Invasion of Hepatocellular Carcinoma by Regulating Macrophages and Tumor Stem Cells. Frontiers in Cell and Developmental Biology, 2021, 9, 707073.	3.7	8
22	Biomimetic Elastin Fiber Patch in Rat Aorta Angioplasty. ACS Omega, 2021, 6, 26715-26721.	3.5	7
23	Immune checkpoint programmed death-1 mediates abdominal aortic aneurysm and pseudoaneurysm progression. Biomedicine and Pharmacotherapy, 2021, 142, 111955.	5.6	9
24	Hydrogel-coated needles prevent puncture site bleeding in arteriovenous fistula and arteriovenous grafts in rats. Biomedicine and Pharmacotherapy, 2021, 143, 112113.	5.6	5
25	The application of tissue-engineered fish swim bladder vascular graft. Communications Biology, 2021, 4, 1153.	4.4	17
26	Nonatheromatous Popliteal Artery Disease. Annals of Vascular Surgery, 2021, , .	0.9	0
27	A Novel Plant Leaf Patch Absorbed With IL-33 Antibody Decreases Venous Neointimal hyperplasia. Frontiers in Bioengineering and Biotechnology, 2021, 9, 742285.	4.1	10
28	Early Outcomes of Complex Vascular Reconstructions in Lower Extremities Using Spiral and Panel Vein Grafts. Annals of Vascular Surgery, 2021, , .	0.9	0
29	Cardiovascular Risk After SARS-CoV-2 Infection Is Mediated by IL18/IL18R1/HIF-1 Signaling Pathway Axis. Frontiers in Immunology, 2021, 12, 780804.	4.8	15
30	Adult Human Vein Grafts Retain Plasticity of Vessel Identity. Annals of Vascular Surgery, 2020, 68, 468-475.	0.9	11
31	Artery to vein configuration of arteriovenous fistula improves hemodynamics to increase maturation and patency. Science Translational Medicine, 2020, 12, .	12.4	15
32	A rat arteriovenous graft model using decellularized vein. Vascular, 2020, 28, 664-672.	0.9	8
33	TGFÎ² (Transforming Growth Factor-Beta)â€“Activated Kinase 1 Regulates Arteriovenous Fistula Maturation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, e203-e213.	2.4	14
34	Hyaluronic acidâ€“heparin conjugated decellularized human great saphenous vein patches decrease neointimal thickness. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 2417-2425.	3.4	25
35	Glycocalyxâ€Like Hydrogel Coatings for Small Diameter Vascular Grafts. Advanced Functional Materials, 2020, 30, 1908963.	14.9	33
36	Stimulation of Caveolin-1 Signaling Improves Arteriovenous Fistula Patency. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 754-764.	2.4	16

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37	Decellularized Carotid Artery Functions as an Arteriovenous Graft. Journal of Surgical Research, 2019, 234, 33-39.	1.6	17
38	Transforming Growth Factor-Î²1 Inhibits Pseudoaneurysm Formation After Aortic Patch Angioplasty. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 195-205.	2.4	27
39	Adipose-derived mesenchymal stem cells accelerate diabetic wound healing in a similar fashion as bone marrow-derived cells. American Journal of Physiology - Cell Physiology, 2018, 315, C885-C896.	4.6	60
40	Autologous tissue patches acquire vascular identity depending on the environment. Vascular Investigation and Therapy, 2018, 1, 14-23.	0.3	2
41	Eph-B4 mediates vein graft adaptation by regulation of endothelial nitric oxide synthase. Journal of Vascular Surgery, 2017, 65, 179-189.	1.1	13
42	Covalent modification of pericardial patches for sustained rapamycin delivery inhibits venous neointimal hyperplasia. Scientific Reports, 2017, 7, 40142.	3.3	30
43	Increased Oxidative Stress and Hypoxia Inducible Factor-1 Expression during Arteriovenous Fistula Maturation. Annals of Vascular Surgery, 2017, 41, 225-234.	0.9	30
44	CD44 Promotes Inflammation and Extracellular Matrix Production During Arteriovenous Fistula Maturation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 1147-1156.	2.4	47
45	Polyester vascular patches acquire arterial or venous identity depending on their environment. Journal of Biomedical Materials Research - Part A, 2017, 105, 3422-3431.	4.0	25
46	Patch Angioplasty in the Rat Aorta or Inferior Vena Cava. Journal of Visualized Experiments, 2017, , .	0.3	15
47	Eph-B4 regulates adaptive venous remodeling to improve arteriovenous fistula patency. Scientific Reports, 2017, 7, 15386.	3.3	32
48	Improving the Outcome of Vein Grafts: Should Vascular Surgeons Turn Veins into Arteries?. Annals of Vascular Diseases, 2017, 10, 8-16.	0.5	7
49	Single-stage Endovascular Treatment of a Penetrating Aortic Ulcer with a Concomitant â€œIsolatedâ€• Iliac Aneurysm. Aorta, 2017, 05, 177-180.	0.5	0
50	Pericardial patch venoplasty heals via attraction of venous progenitor cells. Physiological Reports, 2016, 4, e12841.	1.7	27
51	Future research directions to improve fistula maturation and reduce access failure. Seminars in Vascular Surgery, 2016, 29, 153-171.	2.8	80
52	Membraneâ€mediated regulation of vascular identity. Birth Defects Research Part C: Embryo Today Reviews, 2016, 108, 65-84.	3.6	15
53	Intraluminal Drug Delivery to the Mouse Arteriovenous Fistula Endothelium. Journal of Visualized Experiments, 2016, , e53905.	0.3	5
54	Pretreatment of pericardial patches with antibiotics does not alter patch healing inÂvivo. Journal of Vascular Surgery, 2016, 63, 1063-1073.	1.1	5

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55	Delivery of mesenchymal stem cells in biomimetic engineered scaffolds promotes healing of diabetic ulcers. Regenerative Medicine, 2016, 11, 245-260.	1.7	55
56	Ephrin type-B receptor 4 activation reduces neointimal hyperplasia in human saphenous vein inÂvitro. Journal of Vascular Surgery, 2016, 63, 795-804.	1.1	14
57	Disturbed shear stress reduces Klf2 expression in arterial-venous fistulae inÂvivo. Physiological Reports, 2015, 3, e12348.	1.7	21
58	The mouse aortocaval fistula recapitulates human arteriovenous fistula maturation. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 305, H1718-H1725.	3.2	40
59	Wood-Derived Vascular Patches Loaded With Rapamycin Inhibit Neointimal Hyperplasia. Frontiers in Bioengineering and Biotechnology, 0, 10, .	4.1	1