

Hualong Bai

List of Publications by Year in descending order

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59
papers

945
citations

471509

17
h-index

526287

27
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59
all docs

59
docs citations

59
times ranked

847
citing authors

#	ARTICLE	IF	CITATIONS
1	Future research directions to improve fistula maturation and reduce access failure. <i>Seminars in Vascular Surgery</i> , 2016, 29, 153-171.	2.8	80
2	Adipose-derived mesenchymal stem cells accelerate diabetic wound healing in a similar fashion as bone marrow-derived cells. <i>American Journal of Physiology - Cell Physiology</i> , 2018, 315, C885-C896.	4.6	60
3	Delivery of mesenchymal stem cells in biomimetic engineered scaffolds promotes healing of diabetic ulcers. <i>Regenerative Medicine</i> , 2016, 11, 245-260.	1.7	55
4	CD44 Promotes Inflammation and Extracellular Matrix Production During Arteriovenous Fistula Maturation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 1147-1156.	2.4	47
5	The mouse aortocaval fistula recapitulates human arteriovenous fistula maturation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 305, H1718-H1725.	3.2	40
6	Glycocalyx-Like Hydrogel Coatings for Small Diameter Vascular Grafts. <i>Advanced Functional Materials</i> , 2020, 30, 1908963.	14.9	33
7	Eph-B4 regulates adaptive venous remodeling to improve arteriovenous fistula patency. <i>Scientific Reports</i> , 2017, 7, 15386.	3.3	32
8	Chronic social defeat stress mouse model: Current view on its behavioral deficits and modifications.. <i>Behavioral Neuroscience</i> , 2021, 135, 326-335.	1.2	31
9	Covalent modification of pericardial patches for sustained rapamycin delivery inhibits venous neointimal hyperplasia. <i>Scientific Reports</i> , 2017, 7, 40142.	3.3	30
10	Increased Oxidative Stress and Hypoxia Inducible Factor-1 Expression during Arteriovenous Fistula Maturation. <i>Annals of Vascular Surgery</i> , 2017, 41, 225-234.	0.9	30
11	Pericardial patch venoplasty heals via attraction of venous progenitor cells. <i>Physiological Reports</i> , 2016, 4, e12841.	1.7	27
12	Transforming Growth Factor- β 1 Inhibits Pseudoaneurysm Formation After Aortic Patch Angioplasty. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 195-205.	2.4	27
13	Polyester vascular patches acquire arterial or venous identity depending on their environment. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 3422-3431.	4.0	25
14	Hyaluronic acid-heparin conjugated decellularized human great saphenous vein patches decrease neointimal thickness. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 2417-2425.	3.4	25
15	A three-layered hydrogel patch with hierarchy releasing of PLGA nanoparticle drugs decrease neointimal hyperplasia. <i>Smart Materials in Medicine</i> , 2022, 3, 139-147.	6.7	22
16	Disturbed shear stress reduces Klf2 expression in arterial-venous fistulae in vivo. <i>Physiological Reports</i> , 2015, 3, e12348.	1.7	21
17	Inhibition of programmed death-1 decreases neointimal hyperplasia after patch angioplasty. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, 109, 269-278.	3.4	20
18	Application of the Tissue-Engineered Plant Scaffold as a Vascular Patch. <i>ACS Omega</i> , 2021, 6, 11595-11601.	3.5	18

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19	Effect of inferior vena cava filters on pulmonary embolism-related mortality and major complications: a systematic review and meta-analysis of randomized controlled trials. <i>Journal of Vascular Surgery: Venous and Lymphatic Disorders</i> , 2021, 9, 792-800.e2.	1.6	18
20	Decellularized Carotid Artery Functions as an Arteriovenous Graft. <i>Journal of Surgical Research</i> , 2019, 234, 33-39.	1.6	17
21	Hydrogel-coated needles prevent puncture site bleeding. <i>Acta Biomaterialia</i> , 2021, 128, 305-313.	8.3	17
22	The application of tissue-engineered fish swim bladder vascular graft. <i>Communications Biology</i> , 2021, 4, 1153.	4.4	17
23	Stimulation of Caveolin-1 Signaling Improves Arteriovenous Fistula Patency. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 754-764.	2.4	16
24	Membrane-mediated regulation of vascular identity. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2016, 108, 65-84.	3.6	15
25	Patch Angioplasty in the Rat Aorta or Inferior Vena Cava. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	15
26	Artery to vein configuration of arteriovenous fistula improves hemodynamics to increase maturation and patency. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	15
27	Cardiovascular Risk After SARS-CoV-2 Infection Is Mediated by IL18/IL18R1/HIF-1 Signaling Pathway Axis. <i>Frontiers in Immunology</i> , 2021, 12, 780804.	4.8	15
28	Ephrin type-B receptor 4 activation reduces neointimal hyperplasia in human saphenous vein in vitro. <i>Journal of Vascular Surgery</i> , 2016, 63, 795-804.	1.1	14
29	TGF β 2 (Transforming Growth Factor-Beta) Activated Kinase 1 Regulates Arteriovenous Fistula Maturation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, e203-e213.	2.4	14
30	Eph-B4 mediates vein graft adaptation by regulation of endothelial nitric oxide synthase. <i>Journal of Vascular Surgery</i> , 2017, 65, 179-189.	1.1	13
31	A novel intramural TGF β 1 hydrogel delivery method to decrease murine abdominal aortic aneurysm and rat aortic pseudoaneurysm formation and progression. <i>Biomedicine and Pharmacotherapy</i> , 2021, 137, 111296.	5.6	12
32	Adult Human Vein Grafts Retain Plasticity of Vessel Identity. <i>Annals of Vascular Surgery</i> , 2020, 68, 468-475.	0.9	11
33	A Novel Plant Leaf Patch Absorbed With IL-33 Antibody Decreases Venous Neointimal hyperplasia. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 742285.	4.1	10
34	Programmed death-1 mediates venous neointimal hyperplasia in humans and rats. <i>Aging</i> , 2021, 13, 16656-16666.	3.1	9
35	Immune checkpoint programmed death-1 mediates abdominal aortic aneurysm and pseudoaneurysm progression. <i>Biomedicine and Pharmacotherapy</i> , 2021, 142, 111955.	5.6	9
36	A rat arteriovenous graft model using decellularized vein. <i>Vascular</i> , 2020, 28, 664-672.	0.9	8

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37	HCG18 Participates in Vascular Invasion of Hepatocellular Carcinoma by Regulating Macrophages and Tumor Stem Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 707073.	3.7	8
38	Improving the Outcome of Vein Grafts: Should Vascular Surgeons Turn Veins into Arteries?. <i>Annals of Vascular Diseases</i> , 2017, 10, 8-16.	0.5	7
39	Biomimetic Elastin Fiber Patch in Rat Aorta Angioplasty. <i>ACS Omega</i> , 2021, 6, 26715-26721.	3.5	7
40	Adventitial injection of HA/SA hydrogel loaded with PLGA rapamycin nanoparticle inhibits neointimal hyperplasia in a rat aortic wire injury model. <i>Drug Delivery and Translational Research</i> , 2022, 12, 2950-2959.	5.8	6
41	The Current State of Vascular Surgery Presence in Bilibili Video Platform of China. <i>Frontiers in Surgery</i> , 2022, 9, 874113.	1.4	6
42	Intraluminal Drug Delivery to the Mouse Arteriovenous Fistula Endothelium. <i>Journal of Visualized Experiments</i> , 2016, , e53905.	0.3	5
43	Pretreatment of pericardial patches with antibiotics does not alter patch healing in vivo. <i>Journal of Vascular Surgery</i> , 2016, 63, 1063-1073.	1.1	5
44	Hydrogel-coated needles prevent puncture site bleeding in arteriovenous fistula and arteriovenous grafts in rats. <i>Biomedicine and Pharmacotherapy</i> , 2021, 143, 112113.	5.6	5
45	PLGA Nanoparticle Rapamycin- or Necrostatin-1-Coated Sutures Inhibit Inflammatory Reactions after Arterial Closure in Rats. <i>ACS Applied Bio Materials</i> , 2022, 5, 1501-1507.	4.6	5
46	In Situ Laser Fenestration for Delayed Left Subclavian Artery Revascularization Following Thoracic Endovascular Aortic Repair of Type B Aortic Dissection. <i>Vascular and Endovascular Surgery</i> , 2021, 55, 153857442110103.	0.7	4
47	Biodegraded PCI and gelatin fabricated vascular patch in rat aortic and inferior vena cava angioplasty. <i>Microvascular Research</i> , 2022, 141, 104314.	2.5	3
48	Egg Shell Membrane as an Alternative Vascular Patch for Arterial Angioplasty. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 843590.	4.1	3
49	Systematic Review and Meta-Analysis of Published Studies on Endovascular Repair of Abdominal Aortic Aneurysm With the p-Branch. <i>Frontiers in Surgery</i> , 2022, 9, 879682.	1.4	3
50	Endothelial nitric oxide synthase (eNOS) mediates neointimal thickness in arteriovenous fistulae with different anastomotic angles in rats. <i>Journal of Vascular Access</i> , 2021, , 112972982199653.	0.9	2
51	Autologous tissue patches acquire vascular identity depending on the environment. <i>Vascular Investigation and Therapy</i> , 2018, 1, 14-23.	0.3	2
52	ADAM17: A novel treatment target for aneurysms. <i>Biomedicine and Pharmacotherapy</i> , 2022, 148, 112712.	5.6	2
53	A Systematic Review and Meta-Analysis of Seasonal and Monthly Variability in the Incidence of Acute Aortic Dissection. <i>Annals of Vascular Surgery</i> , 2022, 85, 383-394.	0.9	2
54	Intramural injection of pluronic gel loaded with drugs to alleviate arterial injury. <i>Microvascular Research</i> , 2022, 142, 104370.	2.5	1

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55	Wood-Derived Vascular Patches Loaded With Rapamycin Inhibit Neointimal Hyperplasia. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	4.1	1
56	Single-stage Endovascular Treatment of a Penetrating Aortic Ulcer with a Concomitant "isolated" Iliac Aneurysm. <i>Aorta</i> , 2017, 05, 177-180.	0.5	0
57	Nonatheromatous Popliteal Artery Disease. <i>Annals of Vascular Surgery</i> , 2021, , .	0.9	0
58	Early Outcomes of Complex Vascular Reconstructions in Lower Extremities Using Spiral and Panel Vein Grafts. <i>Annals of Vascular Surgery</i> , 2021, , .	0.9	0
59	Delivery of rivaroxaban and chitosan rapamycin microparticle with dual antithrombosis and antiproliferation functions inhibits venous neointimal hyperplasia. <i>Drug Delivery</i> , 2022, 29, 1994-2001.	5.7	0