Yan-Ting Shiu

List of Publications by Year
in descending order

33	1,010	623734	454955
papers	citations	14 h-index	30 g-index

35	35	35	1379
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Prediction of Arteriovenous Fistula Clinical Maturation from Postoperative Ultrasound Measurements: Findings from the Hemodialysis Fistula Maturation Study. Journal of the American Society of Nephrology: JASN, 2018, 29, 2735-2744.	6.1	103
2	Intimal Hyperplasia, Stenosis, and Arteriovenous Fistula Maturation Failure in the Hemodialysis Fistula Maturation Study. Journal of the American Society of Nephrology: JASN, 2017, 28, 3005-3013.	6.1	96
3	Arteriovenous Fistula Development in the First 6 Weeks after Creation. Radiology, 2016, 279, 620-629.	7.3	92
4	Role of Endothelial Cells in Myocardial Ischemia-Reperfusion Injury. Vascular Disease Prevention, 2010, 7, 1-14.	0.2	92
5	MicroRNA-92a Mediates Endothelial Dysfunction in CKD. Journal of the American Society of Nephrology: JASN, 2017, 28, 3251-3261.	6.1	90
6	The Role of Mechanical Stresses in Angiogenesis. Critical Reviews in Biomedical Engineering, 2005, 33, 431-510.	0.9	90
7	Association between Preoperative Vascular Function and Postoperative Arteriovenous Fistula Development. Journal of the American Society of Nephrology: JASN, 2016, 27, 3788-3795.	6.1	56
8	Hemodynamic Shear Stress and Endothelial Dysfunction in Hemodialysis Access. The Open Urology & Nephrology Journal, 2014, 7, 33-44.	0.2	50
9	Fibrotic Venous Remodeling and Nonmaturation of Arteriovenous Fistulas. Journal of the American Society of Nephrology: JASN, 2018, 29, 1030-1040.	6.1	40
10	Histopathology of Veins Obtained at Hemodialysis Arteriovenous Fistula Creation Surgery. Journal of the American Society of Nephrology: JASN, 2017, 28, 3076-3088.	6.1	39
11	Arteriovenous conduits for hemodialysis: how to better modulate the pathophysiological vascular response to optimize vascular access durability. American Journal of Physiology - Renal Physiology, 2019, 316, F794-F806.	2.7	37
12	Elevated arterial shear rate increases indexes of endothelial cell autophagy and nitric oxide synthase activation in humans. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H106-H112.	3.2	36
13	In Vitro Studies of Erythrocyteâ€“Vascular Endothelium Interactions. Annals of Biomedical Engineering, 2003, 31, 1299-1313.	2.5	31
14	The effect of endothelial nitric oxide synthase on the hemodynamics and wall mechanics in murine arteriovenous fistulas. Scientific Reports, 2019, 9, 4299.	3.3	20
15	High resolution hemodynamic profiling of murine arteriovenous fistula using magnetic resonance imaging and computational fluid dynamics. Theoretical Biology and Medical Modelling, 2017, 14, 5.	2.1	19
16	Comparison of hemodialysis arteriovenous fistula blood flow rates measured by Doppler ultrasound and phase-contrast magnetic resonance imaging. Journal of Vascular Surgery, 2018, 68, 1848-1857.e2.	1.1	17
17	Nitric oxide releasing nanomatrix gel treatment inhibits venous intimal hyperplasia and improves vascular remodeling in a rodent arteriovenous fistula. Biomaterials, 2022, 280, 121254.	11.4	15
18	Mineral Metabolism Disturbances and Arteriovenous Fistula Maturation. European Journal of Vascular and Endovascular Surgery, 2019, 57, 719-728.	1.5	10

#	Article	IF	Citations
19	Inhibition of Lysyl Oxidase with Î²-aminopropionitrile Improves Venous Adaptation after Arteriovenous Fistula Creation. Kidney360, 2021, 2, 270-278.	2.1	10
20	Abnormalities of vascular histology and collagen fiber configuration in patients with advanced chronic kidney disease. Journal of Vascular Access, 2019, 20, 31-40.	0.9	9
21	Analyses of hemodialysis arteriovenous fistula geometric configuration and its associations with maturation and reintervention. Journal of Vascular Surgery, 2021, 73, 1778-1786.e1.	1.1	9
22	Association of Preexisting Arterial Intimal Hyperplasia with Arteriovenous Fistula Outcomes. Clinical Journal of the American Society of Nephrology: CJASN, 2018, 13, 1358-1363.	4.5	8
23	Ultrasound Assessment of Flow-Mediated Dilation of the Brachial and Superficial Femoral Arteries in Rats. Journal of Visualized Experiments, 2016, , .	0.3	7
24	Prevention of Venous Neointimal Hyperplasia by a Multitarget Receptor Tyrosine Kinase Inhibitor. Journal of Vascular Research, 2015, 52, 244-256.	1.4	6
25	Transcription Factor ETS-1 and Reactive Oxygen Species: Role in Vascular and Renal Injury. Antioxidants, 2018, 7, 84.	5.1	5
26	The Geometry of Arteriovenous Fistulas Using Endothelial Nitric Oxide Synthase Mouse Models. Kidney360, 2020, 1, 925-935.	2.1	5
27	Differential gene expression patterns in vein regions susceptible versus resistant to neointimal hyperplasia. Physiological Genomics, 2018, 50, 615-627.	2.3	4
28	Inhibition of Î²-catenin signaling attenuates arteriovenous fistula thickening in mice by suppressing myofibroblasts. Molecular Medicine, 2022, 28, 7.	4.4	4
29	Parathyroid Hormone Induces Transition of Myofibroblasts in Arteriovenous Fistula and Increases Maturation Failure. Endocrinology, 2021, 162, .	2.8	3
30	Analysis of Geometric and Hemodynamic Profiles in Rat Arteriovenous Fistula Following PDE5A Inhibition. Frontiers in Bioengineering and Biotechnology, 2021, 9, 779043.	4.1	3
31	Characterization of Regional Deformation and Material Properties of the Intact Explanted Vein by microCT and Computational Analysis. Cardiovascular Engineering and Technology, 2014, 5, 359-370.	1.6	2
32	Cyclic strain affects the orientation of endothelial tubulogenesis in a frequencyâ€dependent manner. FASEB Journal, 2006, 20, A716.	0.5	0
33	Evidence for an Ageâ€Associated Impairment of Exerciseâ€Induced Autophagy and eNOS Activation in Primary Arterial Endothelial Cells from Humans. FASEB Journal, 2019, 33, 696.2.	0.5	0