Emanuela S Fioretta

List of Publications by Year
in descending order

22 papers	1,007 citations	567247 15 h-index	794568 19 g-index
23 all docs	23 docs citations	23 times ranked	1109 citing authors

#	Article	IF	Citations
1	Endothelial Progenitor Cell-Based in vitro Pre-Endothelialization of Human Cell-Derived Biomimetic Regenerative Matrices for Next-Generation Transcatheter Heart Valves Applications. Frontiers in Bioengineering and Biotechnology, 2022, 10, 867877.	4.1	5
2	Next-generation tissue-engineered heart valves with repair, remodelling and regeneration capacity. Nature Reviews Cardiology, 2021, 18, 92-116.	13.7	128
3	Heart Valve Bioengineering. Reference Series in Biomedical Engineering, 2021, , 23-80.	0.1	0
4	Differential Leaflet Remodeling of BoneÂMarrow Cell Pre-Seeded Versus Nonseeded Bioresorbable Transcatheter Pulmonary Valve Replacements. JACC Basic To Translational Science, 2020, 5, 15-31.	4.1	32
5	Geometry influences inflammatory host cell response and remodeling in tissue-engineered heart valves in-vivo. Scientific Reports, 2020, 10, 19882.	3.3	22
6	Tissue engineered heart valves for transcatheter aortic valve implantation: current state, challenges, and future developments. Expert Review of Cardiovascular Therapy, 2020, 18, 681-696.	1.5	12
7	Off-the-Shelf Tissue-Engineered Vascular Conduits: Clinical Translation. , 2020, , 1-44.		0
8	Heart Valve Bioengineering. , 2020, , 1-59.		1
9	Off-the-Shelf Tissue-Engineered Vascular Conduits: Clinical Translation. , 2020, , 489-531.		2
10	Human cell-derived tissue-engineered heart valve with integrated Valsalva sinuses: towards native-like transcatheter pulmonary valve replacements. Npj Regenerative Medicine, 2019, 4, 14.	5.2	48
11	Off-the-shelf tissue engineered heart valves forin situregeneration: current state, challenges and future directions. Expert Review of Medical Devices, 2018, 15, 35-45.	2.8	30
12	Development of an Off-the-Shelf Tissue-Engineered Sinus Valve for Transcatheter Pulmonary Valve Replacement: a Proof-of-Concept Study. Journal of Cardiovascular Translational Research, 2018, 11, 182-191.	2.4	34
13	The future of heart valve replacement: recent developments and translational challenges for heart valve tissue engineering. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e323-e335.	2.7	61
14	Computational modeling guides tissue-engineered heart valve design for long-term in vivo performance in a translational sheep model. Science Translational Medicine, 2018, 10, .	12.4	142
15	In situ heart valve tissue engineering using a bioresorbable elastomeric implant â€“ From material design to 12 months follow-up in sheep. Biomaterials, 2017, 125, 101-117.	11.4	231
16	Translational Challenges in Cardiovascular Tissue Engineering. Journal of Cardiovascular Translational Research, 2017, 10, 139-149.	2.4	28
17	Heart Valve Replacements with Regenerative Capacity. Transfusion Medicine and Hemotherapy, 2016, 43, 282-290.	1.6	29
18	Improved Geometry of Decellularized Tissue Engineered Heart Valves to Prevent Leaflet Retraction. Annals of Biomedical Engineering, 2016, 44, 1061-1071.	2.5	50

#	Article	IF	Citations
19	Differential Response of Endothelial and Endothelial Colony Forming Cells on Electrospun Scaffolds with Distinct Microfiber Diameters. Biomacromolecules, 2014, 15, 821-829.	5.4	49
20	Matrix Production and Organization by Endothelial Colony Forming Cells in Mechanically Strained Engineered Tissue Constructs. PLoS ONE, 2013, 8, e73161.	2.5	14
21	Influence of substrate stiffness on circulating progenitor cell fate. Journal of Biomechanics, 2012, 45, 736-744.	2.1	34
22	Polymerâ€based Scaffold Designs For In Situ Vascular Tissue Engineering: Controlling Recruitment and Differentiation Behavior of Endothelial Colony Forming Cells. Macromolecular Bioscience, 2012, 12, 577-590.	4.1	50