

# Susheil Uthamaraj

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

240  
citations

1163117

8  
h-index

996975

15  
g-index

23  
all docs

23  
docs citations

23  
times ranked

384  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative computed tomography-based finite element analysis predictions of femoral strength and stiffness depend on computed tomography settings. <i>Journal of Biomechanics</i> , 2015, 48, 153-161.	2.1	46
2	Grid convergence errors in hemodynamic solution of patient-specific cerebral aneurysms. <i>Journal of Biomechanics</i> , 2012, 45, 2907-2913.	2.1	30
3	Magnetizable stent-grafts enable endothelial cell capture. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 427, 100-104.	2.3	28
4	Computational fluid dynamics simulation of an anterior communicating artery ruptured during angiography. <i>Journal of NeuroInterventional Surgery</i> , 2014, 6, e14-e14.	3.3	19
5	Design and Validation of a Novel Ferromagnetic Bare Metal Stent Capable of Capturing and Retaining Endothelial Cells. <i>Annals of Biomedical Engineering</i> , 2014, 42, 2416-2424.	2.5	15
6	Nanoparticle-Mediated Cell Capture Enables Rapid Endothelialization of a Novel Bare Metal Stent. <i>Tissue Engineering - Part A</i> , 2018, 24, 1157-1166.	3.1	14
7	Cell Labeling and Targeting with Superparamagnetic Iron Oxide Nanoparticles. <i>Journal of Visualized Experiments</i> , 2015, , e53099.	0.3	12
8	Mo1395 EUS-FNA Wet vs. Dry Suction Techniques; a Proof of Concept Study on How a Column of Water Enhances Tissue Aspiration. <i>Gastrointestinal Endoscopy</i> , 2014, 79, AB421-AB422.	1.0	11
9	In Silico Performance of a Recellularized Tissue-Engineered Transcatheter Aortic Valve. <i>Journal of Biomechanical Engineering</i> , 2019, 141, 061004-061004-12.	1.3	10
10	Using Ultrasound Color Doppler Twinkling to Identify Biopsy Markers in the Breast and Axilla. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 3122-3134.	1.5	9
11	Morphological and Hemodynamic Changes during Cerebral Aneurysm Growth. <i>Brain Sciences</i> , 2021, 11, 520.	2.3	8
12	Magnetizable Duplex Steel Stents Enable Endothelial Cell Capture. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 463-466.	2.1	6
13	Ferromagnetic Bare Metal Stent for Endothelial Cell Capture and Retention. <i>Journal of Visualized Experiments</i> , 2015, , .	0.3	6
14	Proximal Cadaveric Femur Preparation for Fracture Strength Testing and Quantitative CT-based Finite Element Analysis. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	6
15	Mechanical testing setups affect spine segment fracture outcomes. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 100, 103399.	3.1	5
16	Computational fluid dynamics simulation of an anterior communicating artery ruptured during angiography. <i>BMJ Case Reports</i> , 2013, 2013, bcr2012010596-bcr2012010596.	0.5	4
17	Fabrication of Small Caliber Stent-grafts Using Electrospinning and Balloon Expandable Bare Metal Stents. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	3
18	Method and Instrumented Fixture for Femoral Fracture Testing in a Sideways Fall-on-the-Hip Position. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	3

#	ARTICLE	IF	CITATIONS
19	A Method to Estimate Cadaveric Femur Cortical Strains During Fracture Testing Using Digital Image Correlation. Journal of Visualized Experiments, 2017, , .	0.3	2
20	Characterization of Blood Outgrowth Endothelial Cells (BOEC) from Porcine Peripheral Blood. Journal of Visualized Experiments, 2022, , .	0.3	2
21	Micromachined Nanoporous Membranes for Blood Oxygenation Systems. , 2008, , .		1
22	Femtosecond Laser Ablation of Implantable Materials. , 2019, , .		0
23	Hemodynamic changes in four aneurysms leading to their rupture at follow-up periods. Ceska A Slovenska Neurologie A Neurochirurgie, 2020, 83/116, 621-626.	0.1	0