Sandor I Bernad

List of Publications by Year in Descending Order

21 papers	81 citations	6 h-index	7 g-index
43 ext. papers	122 ext. citations	1.8 avg, IF	2.32 L-index

#	Paper	IF	Citations
21	Fluid targeted delivery of functionalized magnetoresponsive nanocomposite particles to a ferromagnetic stent. *Journal of Magnetism and Magnetic Materials*, **2021**, 519, 167489	2.8	3
20	Hemodynamic Effects on Particle Targeting in the Arterial Bifurcation for Different Magnet Positions. *Molecules*, **2019**, 24,	4.8	5
19	Drug targeting investigation in the critical region of the arterial bypass graft. *Journal of Magnetism and Magnetic Materials*, **2019**, 475, 14-23	2.8	6
18	Fluid Dynamics in Simplified pre and post-Stented Coronary Bifurcation. *Springer Proceedings in Physics*, **2018**, 173-180	0.2	
17	Anastomosis configuration influence on local hemodynamics in coronary bypass **2018**,		1
16	Competitive flow and anastomosis angle influence on bypass hemodynamics in unsteady flow conditions **2017**,		5
15	Fluid dynamics in helical geometries with applications for by-pass grafts. *Applied Mathematics and Computation*, **2016**, 272, 604-613	2.7	7
14	Particles deposition induced by the magnetic field in the coronary bypass graft model. *Journal of Magnetism and Magnetic Materials*, **2016**, 401, 269-286	2.8	6
13	Fluid mechanics in stented arterial model **2015**,		1
12	Luminal flow alteration in presence of the stent **2015**,		2
11	SAPHENOUS VEIN GRAFT PATENCY AFTER GEOMETRY REMODELING. *Journal of Mechanics in Medicine and Biology*, **2015**, 15, 1540051	0.7	0
10	Helical type coronary bypass graft performance: Experimental investigations. *Bio-Medical Materials and Engineering*, **2015**, 26 Suppl 1, S477-86	1	2
9	Clinical important hemodynamic characteristics for serial stenosed coronary artery. *International Journal of Design and Nature and Ecodynamics*, **2015**, 10, 97-113	2.3	2
8	Comparison between experimentally measured flow patterns for straight and helical type graft. *Bio-Medical Materials and Engineering*, **2014**, 24, 853-60	1	6
7	Hemodynamic parameters measurements to assess severity of serial lesions in patient specific right coronary artery. *Bio-Medical Materials and Engineering*, **2014**, 24, 323-34	1	10
6	Numerical investigation of Dean vortices in a curved pipe **2013**,		1
5	Vortices in by-pass graft flow **2013**,		3

4	Numerical Model for Cavitational Flow in Hydraulic Poppet Valves. *Modelling and Simulation in Engineering*, **2012**, 2012, 1-10	1.3	8
3	Particle depositions and related hemodynamic parameters in the multiple stenosed right coronary artery. *Journal of Clinical Medicine Research*, **2012**, 4, 177-89	2.9	8
2	An analysis of blood flow dynamics in AAA **2011**,		1
1	Optimization of the hydrofoil cascade and validation with quasi-analytical solution for hydraulic machinery. *IOP Conference Series: Earth and Environmental Science*, **2010**, 12, 012075	0.3	