

Mohammad I Kilani

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

187
citations

1307594

7
h-index

1058476

14
g-index

19
all docs

19
docs citations

19
times ranked

102
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a novel electromagnetic pump for biomedical applications. Sensors and Actuators A: Physical, 2010, 162, 172-176.	4.1	55
2	Design and Analysis of a Surface Micromachined Spiral-Channel Viscous Pump. Journal of Fluids Engineering, Transactions of the ASME, 2003, 125, 339-344.	1.5	40
3	Force and torque characteristics for magnetically driven blood pump. Journal of Magnetism and Magnetic Materials, 2002, 241, 292-302.	2.3	26
4	Numerical simulation of flow in a screw-type blood pump. Journal of Visualization, 2005, 8, 33-40.	1.8	9
5	Flow field analysis in a spiral viscous micropump. Microfluidics and Nanofluidics, 2007, 3, 527-535.	2.2	9
6	Performance characterization of a miniature spiral-channel viscous pump. Sensors and Actuators A: Physical, 2008, 142, 256-262.	4.1	8
7	Development of a Novel Meso-Scale Electromagnetic pump for Biomedical Applications. Procedia Chemistry, 2009, 1, 349-352.	0.7	7
8	Further development on a gentle electromagnetic pump for fluids with stress-sensitive microparticles. Sensors and Actuators A: Physical, 2016, 247, 440-447.	4.1	7
9	Numerical investigation of the effect of spiral curvature on the flow field in a spiral channel viscous micropump. Microfluidics and Nanofluidics, 2007, 3, 537-546.	2.2	6
10	Shear Stress Analysis in a Ferrofluidic Magnetic Micropump. Nanoscale and Microscale Thermophysical Engineering, 2011, 15, 1-15.	2.6	6
11	Simulation and verification of the axial force of a linear permanent magnet synchronous actuator. International Journal of Applied Electromagnetics and Mechanics, 2010, 32, 249-265.	0.6	4
12	Simple analytical expressions for the flow performance of a spiral-channel viscous micropump. Fluid Dynamics Research, 2007, 39, 632-646.	1.3	3
13	Detection and Evaluation of Orientation Features for Computer-aided Design Part Models. Journal of Engineering Design, 1991, 2, 231-245.	2.3	2
14	A volume and inertia estimating 3D scanner for solids. , 2013, , .		2
15	A Surface Micromachined Spiral-Channel Viscous Pump. , 2002, , .		2
16	Development of a Multimedia Toolkit for Engineering Graphics Education. International Journal of Emerging Technologies in Learning, 2009, 4, 40.	1.3	1
17	Fabrication of NdFeB Thin Film and Its Application in MEMS. , 2002, , 401.		0
18	Design and testing of a gentle pump with rotating magnetic field for fluids with stress-sensitive microparticles. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
19	PLC automation of a hydrochloric acid production unit on a Mannheim-process. , 2018, , .		0