

DÃ³nal P Holland

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

484
citations

933447

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h-index

794594

19
g-index

29
all docs

29
docs citations

29
times ranked

656
citing authors

#	ARTICLE	IF	CITATIONS
1	The Soft Robotics Toolkit: Shared Resources for Research and Design. <i>Soft Robotics</i> , 2014, 1, 224-230.	8.0	109
2	Biologically Inspired Soft Robot for Thumb Rehabilitation1. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2014, 8, .	0.7	75
3	A Soft Robotic Orthosis for Wrist Rehabilitation1. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2015, 9, .	0.7	51
4	Additive Manufacture of Composite Soft Pneumatic Actuators. <i>Soft Robotics</i> , 2018, 5, 726-736.	8.0	41
5	Shape Deposition Manufacturing of a Soft, Atraumatic, and Deployable Surgical Grasper. <i>Journal of Mechanisms and Robotics</i> , 2015, 7, .	2.2	37
6	Shape Deposition Manufacturing of a Soft, Atraumatic, Deployable Surgical Grasper1. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2014, 8, .	0.7	31
7	The Open Paradigm in Design Research. <i>Design Issues</i> , 2015, 31, 17-29.	0.4	26
8	Kinematic and electromyographic analysis of the Askling Lâ€Protocol for hamstring training. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 2536-2546.	2.9	16
9	Growing the Soft Robotics Community Through Knowledge-Sharing Initiatives. <i>Soft Robotics</i> , 2018, 5, 119-121.	8.0	13
10	Temporal and spatial asymmetries during stationary cycling cause different feedforward and feedback modifications in the muscular control of the lower limbs. <i>Journal of Neurophysiology</i> , 2019, 121, 163-176.	1.8	13
11	A New Laparoscopic Morcellator Using an Actuated Wire Mesh and Bag. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2014, 8, .	0.7	11
12	Soft Wearable Orthotic Device for Assisting Kicking Motion in Developmentally Delayed Infants1. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2015, 9, .	0.7	11
13	An Intraventricular Soft Robotic Pulsatile Assist Device for Right Ventricular Heart Failure1. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2014, 8, .	0.7	8
14	Towards the design of a new humanoid robot for domestic applications. , 2014, , .		7
15	The Development and Evaluation of DEFT, a Web-Based Tool for Engineering Design Education. <i>IEEE Transactions on Learning Technologies</i> , 2018, 11, 545-550.	3.2	6
16	A Soft Pneumatic Fabric-Polymer Actuator for Wearable Biomedical Devices: Proof of Concept for Lymphedema Treatment. , 2018, , .		6
17	A Soft, Wearable, Quantitative Ankle Diagnostic Device1. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2015, 9, .	0.7	3
18	Virtual, Augmented and Mixed Reality Technology Based Simulations in Higher Education. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
19	Cervical Spine Immobilization Device for Emergency Response1. Journal of Medical Devices, Transactions of the ASME, 2014, 8, .	0.7	2
20	Multifunctional Laparoscopic Trocar With Built-in Fascial Closure and Stabilization. Journal of Medical Devices, Transactions of the ASME, 2013, 7, .	0.7	1
21	An intraventricular soft robotic pulsatile assist device for right ventricular heart failure. , 2014, , .		1
22	An Access-Closure Device for Percutaneous Beating Heart Surgery1. Journal of Medical Devices, Transactions of the ASME, 2015, 9, .	0.7	1
23	The 2015 Soft Robotics Competition [Competitions]. IEEE Robotics and Automation Magazine, 2016, 23, 25-27.	2.0	1
24	Minimally Invasive Device for Rapid Urethrovesical Anastomosis. Journal of Medical Devices, Transactions of the ASME, 2013, 7, .	0.7	0
25	Laparoscopic Device for Direct and Indirect Suction. Journal of Medical Devices, Transactions of the ASME, 2013, 7, .	0.7	0
26	A qualitative investigation of design knowledge reuse in project-based mechanical design courses. European Journal of Engineering Education, 2019, 44, 137-152.	2.3	0
27	Board # 104 : Towards a Pedagogical Framework for Project-Based Engineering Design Courses. , 0, , .		0