

Bradley Holschuh

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

336
citations

1163117

8
h-index

1199594

12
g-index

25
all docs

25
docs citations

25
times ranked

240
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic, Tunable, and Conformal Wearable Compression Using Active Textiles. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	3
2	Kinetically Tunable, Active Auxetic, and Variable Recruitment Active Textiles from Hierarchical Assemblies. <i>Advanced Materials Technologies</i> , 2021, 6, 2000825.	5.8	22
3	Enhancing performance and reducing wearing variability for wearable technology systemâ€“body interfaces using shape memory materials. <i>Flexible and Printed Electronics</i> , 2021, 6, 024004.	2.7	5
4	Amplifying and Leveraging Generated Force Upon Heating and Cooling in SMA Knitted Actuators. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 54155-54167.	8.0	15
5	A Controllable Biomimetic SMA-actuated Robotic Arm. , 2020, , .		3
6	Soft Robotic Compression Garment to Assist Novice Meditators. , 2020, , .		13
7	Dynamic Countermeasure Fabrics for Post-Spaceflight Orthostatic Intolerance. <i>Aerospace Medicine and Human Performance</i> , 2020, 91, 525-531.	0.4	7
8	Design and Characterization of an Active Compression Garment for the Upper Extremity. <i>IEEE/ASME Transactions on Mechatronics</i> , 2019, 24, 1464-1472.	5.8	5
9	Functionally Graded Knitted Actuators with NiTiâ€“Based Shape Memory Alloys for Topographically Selfâ€“Fitting Wearables. <i>Advanced Materials Technologies</i> , 2019, 4, 1900548.	5.8	46
10	Iterative design and development of remotely-controllable, dynamic compression garment for novel haptic experiences. , 2019, , .		8
11	Dynamic Compression Garments for Sensory Processing Disorder Treatment Using Integrated Active Materials. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2019, 13, .	0.7	10
12	Low-Power, Minimal-Heat Exposure Shape Memory Alloy (SMA) Actuators for On-Body Soft Robotics. , 2019, , .		4
13	Novel manufacturing of advanced smart garments. , 2018, , .		4
14	Tension-Controlled Active Compression Garment for Treatment of Orthostatic Intolerance. , 2018, , .		8
15	No-Power-Required, Touch-Activated Compression Garments for the Treatment of POTS. , 2018, , .		2
16	The Design and Development of Active Compression Garments for Orthostatic Intolerance. , 2017, , .		8
17	SqueezeBands. <i>Proceedings of the ACM on Human-Computer Interaction</i> , 2017, 1, 1-18.	3.3	14
18	Active "hugging" vest for deep touch pressure therapy. , 2016, , .		32

#	ARTICLE	IF	CITATIONS
19	Morphing Compression Garments for Space Medicine and Extravehicular Activity Using Active Materials. <i>Aerospace Medicine and Human Performance</i> , 2016, 87, 84-92.	0.4	28
20	Low Spring Index NiTi Coil Actuators for Use in Active Compression Garments. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015, 20, 1264-1277.	5.8	57
21	Low spring index, large displacement Shape Memory Alloy (SMA) coil actuators for use in macro- and micro-systems. <i>Proceedings of SPIE</i> , 2014, , .	0.8	8
22	Materials and Textile Architecture Analyses for Mechanical Counter-Pressure Space Suits using Active Materials. , 2012, , .		12
23	Robotic Joint Torque Testing: A Critical Tool in the Development of Pressure Suit Mobility Elements. , 2011, , .		11
24	Characterization of Structural, Volume and Pressure Components to Space Suit Joint Rigidity. , 2009, , .		11
25	Analysis of US Policy Options for the Future of the International Space Station. , 2009, , .		0