

# Bradley Holschuh

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3379336/publications.pdf>

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	Low Spring Index NiTi Coil Actuators for Use in Active Compression Garments. IEEE/ASME Transactions on Mechatronics, 2015, 20, 1264-1277.	5.8	57
2	Functionally Graded Knitted Actuators with NiTi-Based Shape Memory Alloys for Topographically Self-Fitting Wearables. Advanced Materials Technologies, 2019, 4, 1900548.	5.8	46
3	Active "hugging" vest for deep touch pressure therapy. , 2016, , .		32
4	Morphing Compression Garments for Space Medicine and Extravehicular Activity Using Active Materials. Aerospace Medicine and Human Performance, 2016, 87, 84-92.	0.4	28
5	Kinetically Tunable, Active Auxetic, and Variable Recruitment Active Textiles from Hierarchical Assemblies. Advanced Materials Technologies, 2021, 6, 2000825.	5.8	22
6	Amplifying and Leveraging Generated Force Upon Heating and Cooling in SMA Knitted Actuators. ACS Applied Materials & Interfaces, 2020, 12, 54155-54167.	8.0	15
7	SqueezeBands. Proceedings of the ACM on Human-Computer Interaction, 2017, 1, 1-18.	3.3	14
8	Soft Robotic Compression Garment to Assist Novice Meditators. , 2020, , .		13
9	Materials and Textile Architecture Analyses for Mechanical Counter-Pressure Space Suits using Active Materials. , 2012, , .		12
10	Characterization of Structural, Volume and Pressure Components to Space Suit Joint Rigidity. , 2009, , .		11
11	Robotic Joint Torque Testing: A Critical Tool in the Development of Pressure Suit Mobility Elements. , 2011, , .		11
12	Dynamic Compression Garments for Sensory Processing Disorder Treatment Using Integrated Active Materials. Journal of Medical Devices, Transactions of the ASME, 2019, 13, .	0.7	10
13	Low spring index, large displacement Shape Memory Alloy (SMA) coil actuators for use in macro- and micro-systems. Proceedings of SPIE, 2014, , .	0.8	8
14	The Design and Development of Active Compression Garments for Orthostatic Intolerance. , 2017, , .		8
15	Tension-Controlled Active Compression Garment for Treatment of Orthostatic Intolerance. , 2018, , .		8
16	Iterative design and development of remotely-controllable, dynamic compression garment for novel haptic experiences. , 2019, , .		8
17	Dynamic Countermeasure Fabrics for Post-Spaceflight Orthostatic Intolerance. Aerospace Medicine and Human Performance, 2020, 91, 525-531.	0.4	7
18	Design and Characterization of an Active Compression Garment for the Upper Extremity. IEEE/ASME Transactions on Mechatronics, 2019, 24, 1464-1472.	5.8	5

#	ARTICLE	IF	CITATIONS
19	Enhancing performance and reducing wearing variability for wearable technology systemâ€‘body interfaces using shape memory materials. Flexible and Printed Electronics, 2021, 6, 024004.	2.7	5
20	Novel manufacturing of advanced smart garments. , 2018, , .		4
21	Low-Power, Minimal-Heat Exposure Shape Memory Alloy (SMA) Actuators for On-Body Soft Robotics. , 2019, , .		4
22	A Controllable Biomimetic SMA-actuated Robotic Arm. , 2020, , .		3
23	Dynamic, Tunable, and Conformal Wearable Compression Using Active Textiles. Advanced Materials Technologies, 2022, 7, .	5.8	3
24	No-Power-Required, Touch-Activated Compression Garments for the Treatment of POTS. , 2018, , .		2
25	Analysis of US Policy Options for the Future of the International Space Station. , 2009, , .		0