

CITATION REPORT

List of articles citing

A passive exoskeleton reduces peak and mean EMG during symmetric and asymmetric lifting

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Journal of Electromyography and Kinesiology, 2019, 47, 25-34.

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#	Paper	IF	Citations
76	Back-Support Exoskeletons for Occupational Use: An Overview of Technological Advances and Trends. <i>IIE Transactions on Occupational Ergonomics and Human Factors</i> , 2019 , 7, 237-249	4	44
75	Effects of a passive back exoskeleton on the mechanical loading of the low-back during symmetric lifting. <i>Journal of Biomechanics</i> , 2020 , 102, 109486	2.9	24
74	SPEXOR passive spinal exoskeleton decreases metabolic cost during symmetric repetitive lifting. <i>European Journal of Applied Physiology</i> , 2020 , 120, 401-412	3.4	42
73	The Effects of Upper-Body Exoskeletons on Human Metabolic Cost and Thermal Response during Work Tasks-A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	14
72	Assessing the potential for "undesired" effects of passive back-support exoskeleton use during a simulated manual assembly task: Muscle activity, posture, balance, discomfort, and usability. <i>Applied Ergonomics</i> , 2020 , 89, 103194	4.2	16
71	Exoskeleton Application to Military Manual Handling Tasks. <i>Human Factors</i> , 2020 , 18720820957467	3.8	10
70	Design and characterization of a multi-joint underactuated low-back exoskeleton for lifting tasks. 2020 ,		6
69	Potential exoskeleton uses for reducing low back muscular activity during farm tasks. <i>American Journal of Industrial Medicine</i> , 2020 , 63, 1017-1028	2.7	7
68	SIAT-WEXv2: A Wearable Exoskeleton for Reducing Lumbar Load during Lifting Tasks. <i>Complexity</i> , 2020 , 2020, 1-12	1.6	6
67	Biomechanical assessment of two back-support exoskeletons in symmetric and asymmetric repetitive lifting with moderate postural demands. <i>Applied Ergonomics</i> , 2020 , 88, 103156	4.2	22
66	ALICE: Conceptual Development of a Lower Limb Exoskeleton Robot Driven by an On-Board Musculoskeletal Simulator. <i>Sensors</i> , 2020 , 20,	3.8	11
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63	Versatile and non-versatile occupational back-support exoskeletons: A comparison in laboratory and field studies. <i>Wearable Technologies</i> , 2021 , 2,	4	2
62	Detailed characterization of physiological EMG activations and directional tuning of upper-limb and trunk muscles in point-to-point reaching movements. <i>Current Research in Physiology</i> , 2021 , 4, 60-72	1.8	0
61	Effects of industrial back-support exoskeletons on body loading and user experience: an updated systematic review. <i>Ergonomics</i> , 2021 , 64, 685-711	2.9	21
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57	Kinematic effects of a passive lift assistive exoskeleton. <i>Journal of Biomechanics</i> , 2021 , 120, 110317	2.9	3
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55	Back-Support Exoskeleton Control Strategy for Pulling Activities: Design and Preliminary Evaluation. <i>Designs</i> , 2021 , 5, 39	1.8	1
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53	ANALYSIS OF PHYSIOLOGICAL SIGNALS ON THE WEARABLE ASSIST SUIT FOR REPETITIVE AGRICULTURAL TASK. <i>Journal of Mechanics in Medicine and Biology</i> , 2140032	0.7	
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46	Occupational exoskeletons: A roadmap toward large-scale adoption. Methodology and challenges of bringing exoskeletons to workplaces. <i>Wearable Technologies</i> , 2021 , 2,	4	10
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38	A Study on the Effect of Soft Wearable Suit Using Elastic Band. <i>Journal of the Korean Society for Precision Engineering</i> , 2022 , 39, 59-67	0.3	
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36	Design and Pilot Evaluation of a Prototype Sensorized Trunk Exoskeleton. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2021 , 2021, 4537-4541	0.9	
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33	Using a Passive Back Exoskeleton During a Simulated Sorting Task: Influence on Muscle Activity, Posture, and Heart Rate.. <i>Human Factors</i> , 2022 , 187208211073192	3.8	1
32	A systematic literature review of evidence for the use of assistive exoskeletons in defence and security use cases.. <i>Ergonomics</i> , 2022 , 1-31	2.9	0
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26	A Passive Back-Support Exoskeleton for Manual Materials Handling: Reduction of Low Back Loading and Metabolic Effort during Repetitive Lifting. <i>IIE Transactions on Occupational Ergonomics and Human Factors</i> , 2022 , 10, 7-20	4	0
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- 3 Evaluation of the physiological benefits of a passive back-support exoskeleton during lifting and working in forward leaning postures. **2023**, 149, 111489 ○
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