

# CITATION REPORT

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## Electromyographic Assessment of a Shoulder Support Exoskeleton During on-Site Job Tasks

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IISE Transactions on Occupational Ergonomics and Human Factors, 2019, 7, 302-310.

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#	Paper	IF	Citations
35	An Introduction to the Special Issue on Occupational Exoskeletons. <i>IISE Transactions on Occupational Ergonomics and Human Factors</i> , <b>2019</b> , 7, 153-162	4	28
34	The effectivity of a passive arm support exoskeleton in reducing muscle activation and perceived exertion during plastering activities. <i>Ergonomics</i> , <b>2021</b> , 64, 712-721	2.9	13
33	Adoption potential of occupational exoskeletons in diverse enterprises engaged in manufacturing tasks. <i>International Journal of Industrial Ergonomics</i> , <b>2021</b> , 82, 103103	2.9	5
32	Evaluation of two upper-limb exoskeletons during overhead work: influence of exoskeleton design and load on muscular adaptations and balance regulation. <i>European Journal of Applied Physiology</i> , <b>2021</b> , 121, 2811-2823	3.4	1
31	Assessing the effect of back exoskeletons on injury risk during material handling.		
30	Analysis of Active Back-Support Exoskeleton During Manual Load-Lifting Tasks. <i>Journal of Medical and Biological Engineering</i> , <b>2021</b> , 41, 704	2.2	3
29	A physiological and biomechanical investigation of three passive upper-extremity exoskeletons during simulated overhead work. <i>Ergonomics</i> , <b>2021</b> , 1-13	2.9	2
28	Methodologies for evaluating exoskeletons with industrial applications. <i>Ergonomics</i> , <b>2021</b> , 1-20	2.9	2
27	Effects of an arm-support exoskeleton on perceived work intensity and musculoskeletal discomfort: An 18-month field study in automotive assembly. <i>American Journal of Industrial Medicine</i> , <b>2021</b> , 64, 905-914	2.7	7
26	Leitmerkmale und Vorgehen einer Implementierung von Exoskeletten. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , <b>2021</b> , 116, 525-528	0.5	1
25	A preliminary investigation on upper limb exoskeleton assistance for simulated agricultural tasks. <i>Applied Ergonomics</i> , <b>2021</b> , 95, 103455	4.2	2
24	Assessment of a passive exoskeleton system on spinal biomechanics and subjective responses during manual repetitive handling tasks among construction workers. <i>Safety Science</i> , <b>2021</b> , 142, 105382	5.8	7
23	Benchmarking occupational exoskeletons: An evidence mapping systematic review. <i>Applied Ergonomics</i> , <b>2022</b> , 98, 103582	4.2	3
22	Occupational exoskeletons: A roadmap toward large-scale adoption. Methodology and challenges of bringing exoskeletons to workplaces. <i>Wearable Technologies</i> , <b>2021</b> , 2,	4	10
21	An ergonomic assessment tool for evaluating the effect of back exoskeletons on injury risk. <i>Applied Ergonomics</i> , <b>2022</b> , 99, 103619	4.2	6
20	Effects of passive exoskeleton support on EMG measures of the neck, shoulder and trunk muscles while holding simulated surgical postures and performing a simulated surgical procedure. <i>Applied Ergonomics</i> , <b>2021</b> , 100, 103646	4.2	4
19	Introducing Exoskeletons into the Operating Room: A pilot study with vascular surgeons. <i>Proceedings of the Human Factors and Ergonomics Society</i> , <b>2021</b> , 65, 1376-1380	0.4	

18	Exoskeletons for workers: A case series study in an enclosures production line.. <i>Applied Ergonomics</i> , <b>2022</b> , 101, 103679	4.2	2
17	Development and Assessment of a Method to Estimate the Value of a Maximum Voluntary Isometric Contraction Electromyogram from Submaximal Electromyographic Data.. <i>Journal of Applied Biomechanics</i> , <b>2022</b> , 1-8	1.2	
16	Usability, User Acceptance, and Health Outcomes of Arm-support Exoskeleton Use in Automotive Assembly: An 18-month Field Study. <i>Journal of Occupational and Environmental Medicine</i> , <b>2021</b> , 64,	2	0
15	A Passive Upper Limb Exoskeleton With Tilted and Offset Shoulder Joints for Assisting Overhead Tasks. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2022</b> , 1-11	5.5	
14	Influence of different passive shoulder exoskeletons on shoulder and torso muscle activation during simulated horizontal and vertical aircraft squeeze riveting tasks. <i>Applied Ergonomics</i> , <b>2022</b> , 104, 103822	4.2	0
13	A Systematic Review on Evaluation Strategies for Field Assessment of Upper-Body Industrial Exoskeletons: Current Practices and Future Trends.		0
12	The impact of passive shoulder exoskeletons during simulated aircraft manufacturing sealing tasks. <b>2022</b> , 91, 103337		0
11	Evaluation of a spring-loaded upper-limb exoskeleton in cleaning activities. <b>2023</b> , 106, 103877		1
10	Electromyography-based fatigue assessment of an upper body exoskeleton during automotive assembly. <b>2022</b> , 3,		0
9	Investigation of Possible Effects of Wearing Exoskeletons during Welding on Heart Rate. <b>2022</b> , 2, 94-108		1
8	Examining the effectiveness of a lower back exoskeleton in reducing discomfort and workload in vascular surgery. <b>2022</b> , 66, 2153-2157		0
7	Efficacy of passive upper-limb exoskeletons in reducing musculoskeletal load associated with overhead tasks. <b>2023</b> , 109, 103965		0
6	A passive upper-limb exoskeleton reduced muscular loading during augmented reality interactions. <b>2023</b> , 109, 103982		0
5	Biomechanical Assessments of the Upper Limb for Determining Fatigue, Strain and Effort from the Laboratory to the Industrial Working Place: A Systematic Review. <b>2023</b> , 10, 445		0
4	Three passive arm-support exoskeletons have inconsistent effects on muscle activity, posture, and perceived exertion during diverse simulated pseudo-static overhead nutrunning tasks. <b>2023</b> , 110, 104015		0
3	A quantitative assessment of the effects of passive upper extremity exoskeletons on expert cardiovascular sonographers' muscle activity and posture while performing transthoracic echocardiograms (TTE). <b>2023</b> , 94, 103421		0
2	Evaluation of a Passive Upper Limb Exoskeleton in Healthcare Workers during a Surgical Instrument Cleaning Task. <b>2023</b> , 20, 3153		0
1	Development of Passive Upper Limb Exoskeleton Device (H-Frame) for Augment the Load Carrying Capability of the Human. <b>2023</b> , 40, 283-289		0

