

Myung-Chul Jung

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Evaluation of Workloads of Package Deliverers Focusing on Their Pickup and Delivery Tasks in Republic of Korea. Sustainability, 2022, 14, 5229.	3.2	3
2	Effect of hand postures and object properties on forearm muscle activities using surface electromyography. International Journal of Occupational Safety and Ergonomics, 2020, 26, 91-100.	1.9	1
3	Bayesian network model to diagnose WMSDs with working characteristics. International Journal of Occupational Safety and Ergonomics, 2020, 26, 336-347.	1.9	9
4	Investigation of common insertion hand postures and directions and determination of the voluntarily maximal and preferred insertion forces in automotive assembly tasks. Human Factors and Ergonomics in Manufacturing, 2020, 30, 93-102.	2.7	0
5	Evaluation of recessed and bar handles of freezer door in refrigerator. Human Factors and Ergonomics in Manufacturing, 2020, 30, 329-335.	2.7	0
6	Three-dimensional finger joint angles by hand posture and object properties. Ergonomics, 2016, 59, 1-11.	2.1	21
7	Evaluation of surgeon's muscle fatigue during thoracoscopic pulmonary lobectomy using interoperative surface electromyography. Journal of Thoracic Disease, 2016, 8, 1162-1169.	1.4	27
8	A model for developing job rotation schedules that eliminate sequential high workloads and minimize between-worker variability in cumulative daily workloads: Application to automotive assembly lines. Applied Ergonomics, 2016, 55, 8-15.	3.1	52
9	Electromyographic activities of the subscapularis, supraspinatus and infraspinatus muscles during passive shoulder and active elbow exercises. Knee Surgery, Sports Traumatology, Arthroscopy, 2016, 24, 2238-2243.	4.2	13
10	Investigation of hand postures in manufacturing industries according to hand and object properties. International Journal of Industrial Ergonomics, 2015, 46, 98-104.	2.6	14
11	Ergonomic Evaluation of Biomechanical Hand Function. Safety and Health at Work, 2015, 6, 9-17.	0.6	64
12	Age and sex differences in ranges of motion and motion patterns. International Journal of Occupational Safety and Ergonomics, 2015, 21, 173-186.	1.9	15
13	Quantitative comparison of marker attachment methods for hand motion analysis. International Journal of Occupational Safety and Ergonomics, 2015, 21, 30-38.	1.9	5
14	Flexion and Extension Angles of Resting Fingers and Wrist. International Journal of Occupational Safety and Ergonomics, 2014, 20, 91-101.	1.9	19
15	Upper Body and Finger Posture Evaluations at an Electric Iron Assembly Plant. Human Factors and Ergonomics in Manufacturing, 2014, 24, 161-171.	2.7	8
16	Common patterns of voluntary grasp types according to object shape, size, and direction. International Journal of Industrial Ergonomics, 2014, 44, 761-768.	2.6	33
17	Difference in knee rotation between total and unicompartmental knee arthroplasties during stair climbing. Knee Surgery, Sports Traumatology, Arthroscopy, 2014, 22, 1879-1886.	4.2	16
18	Forearm muscle activity by object property and hand posture. , 2013, , .		0

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19	Joint motion pattern classification by cluster analysis of kinematic, demographic, and subjective variables. <i>Applied Ergonomics</i> , 2013, 44, 636-642.	3.1	2
20	Literature Review on Job Rotation. <i>Journal of the Ergonomics Society of Korea</i> , 2013, 32, 459-467.	0.1	0
21	Postural Evaluation in a Poultry Farm for Broiler Chickens. <i>International Journal of Occupational Safety and Ergonomics</i> , 2012, 18, 67-75.	1.9	6
22	The effect of camera location on observation-based posture estimation. <i>Ergonomics</i> , 2012, 55, 885-897.	2.1	12
23	Relationship between prolonged standing and symptoms of varicose veins and nocturnal leg cramps among women and men. <i>Ergonomics</i> , 2012, 55, 133-139.	2.1	60
24	Design of assembly lines with the concurrent consideration of productivity and upper extremity musculoskeletal disorders using linear models. <i>Computers and Industrial Engineering</i> , 2012, 62, 431-441.	6.3	62
25	Comparison of comfort, discomfort, and continuum ratings of force levels and hand regions during gripping exertions. <i>Applied Ergonomics</i> , 2012, 43, 283-289.	3.1	58
26	Evaluation of upper-limb body postures based on the effects of back and shoulder flexion angles on subjective discomfort ratings, heart rates and muscle activities. <i>Ergonomics</i> , 2011, 54, 849-857.	2.1	21
27	Individual finger contribution in submaximal voluntary contraction of gripping. <i>Ergonomics</i> , 2011, 54, 1072-1080.	2.1	17
28	The effects of age, viewing distance, display type, font type, colour contrast and number of syllables on the legibility of Korean characters. <i>Ergonomics</i> , 2011, 54, 453-465.	2.1	23
29	Posture evaluations of tethering and loose-housing systems in dairy farms. <i>Applied Ergonomics</i> , 2010, 42, 1-8.	3.1	26
30	The effects of knee angles on subjective discomfort ratings, heart rates, and muscle fatigue of lower extremities in static-sustaining tasks. <i>Applied Ergonomics</i> , 2010, 42, 184-192.	3.1	12
31	Crosstalk effect on surface electromyogram of the forearm flexors during a static grip task. <i>Journal of Electromyography and Kinesiology</i> , 2010, 20, 1223-1229.	1.7	58
32	Comparison of visibility measurement techniques for forklift truck design factors. <i>Applied Ergonomics</i> , 2009, 40, 280-285.	3.1	12
33	Ergonomie Hand Tool and Desk and Chair Development Process. <i>International Journal of Occupational Safety and Ergonomics</i> , 2008, 14, 247-252.	1.9	12
34	Relaxed hand postures. <i>Ningen Kogaku = the Japanese Journal of Ergonomics</i> , 2008, 44, 436-439.	0.1	7
35	Biomechanical and Physiological Analyses of a Luggage-Pulling Task. <i>Industrial Health</i> , 2007, 45, 756-765.	1.0	7
36	Effect of handle design and target location on insertion and aim with a laparoscopic surgical tool. <i>Applied Ergonomics</i> , 2007, 38, 745-753.	3.1	64

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37	Maximal dynamic grip force and wrist torque: The effects of gender, exertion direction, angular velocity, and wrist angle. <i>Applied Ergonomics</i> , 2006, 37, 737-742.	3.1	69
38	The sensitivity of autoregressive model coefficient in quantification of trunk muscle fatigue during a sustained isometric contraction. <i>International Journal of Industrial Ergonomics</i> , 2005, 35, 321-330.	2.6	18
39	Ergonomic redesign and evaluation of a clamping tool handle. <i>Applied Ergonomics</i> , 2005, 36, 619-624.	3.1	14
40	Pushing and pulling carts and two-wheeled hand trucks. <i>International Journal of Industrial Ergonomics</i> , 2005, 35, 79-89.	2.6	63
41	Quantification of the effects of instruction type, verbal encouragement, and visual feedback on static and peak handgrip strength. <i>International Journal of Industrial Ergonomics</i> , 2004, 34, 367-374.	2.6	56
42	The effect of wrist position, angular velocity, and exertion direction on simultaneous maximal grip force and wrist torque under the isokinetic conditions. <i>International Journal of Industrial Ergonomics</i> , 2002, 29, 133-143.	2.6	24