

Myung-Chul Jung

List of Publications by Year in descending order

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42
papers

1,003
citations

430874

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434195

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Ergonomic Evaluation of Biomechanical Hand Function. <i>Safety and Health at Work</i> , 2015, 6, 9-17.	0.6	64
4	Pushing and pulling carts and two-wheeled hand trucks. <i>International Journal of Industrial Ergonomics</i> , 2005, 35, 79-89.	2.6	63
5	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
6	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
7	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
8	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
9	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
10	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. <i>Applied Ergonomics</i> , 2016, 55, 8-15.	3.1	52
11	Common patterns of voluntary grasp types according to object shape, size, and direction. <i>International Journal of Industrial Ergonomics</i> , 2014, 44, 761-768.	2.6	33
12	Evaluation of surgeon's muscle fatigue during thoracoscopic pulmonary lobectomy using interoperative surface electromyography. <i>Journal of Thoracic Disease</i> , 2016, 8, 1162-1169.	1.4	27
13	Posture evaluations of tethering and loose-housing systems in dairy farms. <i>Applied Ergonomics</i> , 2010, 42, 1-8.	3.1	26
14	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
15	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
16	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
17	Three-dimensional finger joint angles by hand posture and object properties. <i>Ergonomics</i> , 2016, 59, 1-11.	2.1	21
18	Flexion and Extension Angles of Resting Fingers and Wrist. <i>International Journal of Occupational Safety and Ergonomics</i> , 2014, 20, 91-101.	1.9	19

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19	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
20	Individual finger contribution in submaximal voluntary contraction of gripping. <i>Ergonomics</i> , 2011, 54, 1072-1080.	2.1	17
21	Difference in knee rotation between total and unicompartmental knee arthroplasties during stair climbing. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2014, 22, 1879-1886.	4.2	16
22	Age and sex differences in ranges of motion and motion patterns. <i>International Journal of Occupational Safety and Ergonomics</i> , 2015, 21, 173-186.	1.9	15
23	Ergonomic redesign and evaluation of a clamping tool handle. <i>Applied Ergonomics</i> , 2005, 36, 619-624.	3.1	14
24	Investigation of hand postures in manufacturing industries according to hand and object properties. <i>International Journal of Industrial Ergonomics</i> , 2015, 46, 98-104.	2.6	14
25	Electromyographic activities of the subscapularis, supraspinatus and infraspinatus muscles during passive shoulder and active elbow exercises. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016, 24, 2238-2243.	4.2	13
26	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
27	Comparison of visibility measurement techniques for forklift truck design factors. <i>Applied Ergonomics</i> , 2009, 40, 280-285.	3.1	12
28	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
29	The effect of camera location on observation-based posture estimation. <i>Ergonomics</i> , 2012, 55, 885-897.	2.1	12
30	Bayesian network model to diagnose WMSDs with working characteristics. <i>International Journal of Occupational Safety and Ergonomics</i> , 2020, 26, 336-347.	1.9	9
31	Upper Body and Finger Posture Evaluations at an Electric Iron Assembly Plant. <i>Human Factors and Ergonomics in Manufacturing</i> , 2014, 24, 161-171.	2.7	8
32	Biomechanical and Physiological Analyses of a Luggage-Pulling Task. <i>Industrial Health</i> , 2007, 45, 756-765.	1.0	7
33	Relaxed hand postures. <i>Ningen Kogaku = the Japanese Journal of Ergonomics</i> , 2008, 44, 436-439.	0.1	7
34	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
35	Quantitative comparison of marker attachment methods for hand motion analysis. <i>International Journal of Occupational Safety and Ergonomics</i> , 2015, 21, 30-38.	1.9	5
36	Evaluation of Workloads of Package Deliverers Focusing on Their Pickup and Delivery Tasks in Republic of Korea. <i>Sustainability</i> , 2022, 14, 5229.	3.2	3

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37	Joint motion pattern classification by cluster analysis of kinematic, demographic, and subjective variables. <i>Applied Ergonomics</i> , 2013, 44, 636-642.	3.1	2
38	Effect of hand postures and object properties on forearm muscle activities using surface electromyography. <i>International Journal of Occupational Safety and Ergonomics</i> , 2020, 26, 91-100.	1.9	1
39	Forearm muscle activity by object property and hand posture. , 2013, , .		0
40	Investigation of common insertion hand postures and directions and determination of the voluntarily maximal and preferred insertion forces in automotive assembly tasks. <i>Human Factors and Ergonomics in Manufacturing</i> , 2020, 30, 93-102.	2.7	0
41	Evaluation of recessed and bar handles of freezer door in refrigerator. <i>Human Factors and Ergonomics in Manufacturing</i> , 2020, 30, 329-335.	2.7	0
42	Literature Review on Job Rotation. <i>Journal of the Ergonomics Society of Korea</i> , 2013, 32, 459-467.	0.1	0