Heecheon You

List of Publications by Year
in descending order

99 papers	1,137 citations	516710 16 h-index
104 all docs	104 docs citations	104 times ranked

501196 28 g-index

1040 citing authors

#	Article	IF	Citations
1	Development of an Ergonomic User Interface Design of Calcium Imaging Processing System. Applied Sciences (Switzerland), 2022, 12, 1877.	2.5	1
2	Measurement of Nasalance Scores Without Touching the Philtrum for Better Comfort During Speech Assessment and Therapy: A Preliminary Study. Cleft Palate-Craniofacial Journal, 2021, 58, 446-454.	0.9	0
3	Short-term and Long-term Efficacy of Oropharyngolaryngeal Strengthening Training on Voice Using a Mobile Healthcare Application in Elderly Women. Communication Sciences and Disorders, 2021, 26, 219-230.	0.4	6
4	Quantitative Assessment Method of Force Tracking Capabilities for Detection of Motor Intentional Disorders. Applied Sciences (Switzerland), 2021, 11, 3244.	2.5	1
5	A Boundary Zone Method for the Generation of Multivariate Representative Humanoids. Applied Sciences (Switzerland), 2021, 11, 3440.	2.5	2
6	Development of a Virtual Fit Analysis Method for an Ergonomic Design of Pilot Oxygen Mask. Applied Sciences (Switzerland), 2021, 11, 5332.	2.5	10
7	A Linkage Representation of the Human Hand Skeletal System Using CT Hand Scan Images. Applied Sciences (Switzerland), 2021, 11, 5857.	2.5	3
8	Chief Complaints of Swallowing Problems in Korean Community-Dwelling Older Adults. Communication Sciences and Disorders, 2021, 26, 463-474.	0.4	0
9	Development of an ergonomic design process for smartphone hard key locations. Applied Ergonomics, 2021, 97, 103532.	3.1	0
10	Special Issue â€œNovel Approaches and Applications in Ergonomic Designâ€• Applied Sciences (Switzerland), 2021, 11, 9754.	2.5	0
11	Estimation of Facial Contact Pressure Based on Finite Element Analysis. Advances in Intelligent Systems and Computing, 2020, , 657-667.	0.6	4
12	Development of an Ultrasonic Doppler Sensor-Based Swallowing Monitoring and Assessment System. Sensors, 2020, 20, 4529.	3.8	7
13	Effects of Smartphone Size and Hand Size on Grip Posture in One-Handed Hard Key Operations. Applied Sciences (Switzerland), 2020, 10, 8374.	2.5	4
14	Effects of a Motion Seat System on Driverâ€™s Passive Task-Related Fatigue: An On-Road Driving Study. Sensors, 2020, 20, 2688.	3.8	8
15	User-Dependent Usability and Feasibility of a Swallowing Training mHealth App for Older Adults: Mixed Methods Pilot Study. JMIR MHealth and UHealth, 2020, 8, e19585.	3.7	22
16	Implementation of a Home-Based mHealth App Intervention Program With Human Mediation for Swallowing Tongue Pressure Strengthening Exercises in Older Adults: Longitudinal Observational Study. JMIR MHealth and UHealth, 2020, 8, e22080.	3.7	9
17	Estimation of Finite Finger Joint Centers of Rotation Using 3D Hand Skeleton Motions Reconstructed from CT Scans. Applied Sciences (Switzerland), 2020, 10, 9129.	2.5	5
18	A Literature Review for an Emotion Evaluation Protocols Basedon Skin Temperature for Home Appliances. Fashion & Textile Research Journal, 2020, 22, 240-249.	0.6	0

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19	Analysis of Body Surface Area by Fitness Motion Using 3D scan data of Korean Elderly Female. Fashion & Textile Research Journal, 2020, 22, 650-659.	0.6	2
20	Development of statistical geometric models for prediction of a driver's hip and eye locations. International Journal of Industrial Ergonomics, 2019, 72, 320-329.	2.6	3
21	Friction underwear for ease of pulling down in elderly patients with overactive bladder: A prospective randomized control trial. Investigative and Clinical Urology, 2019, 60, 216.	2.0	0
22	Development of a distributed representative human model generation and analysis system (DRHM-GAS): Application to optimization of flight suit and pilot oxygen mask sizing systems. International Journal of Industrial Ergonomics, 2019, 72, 261-271.	2.6	4
23	Analysis of natural finger-press motions for design of trackball buttons. Ergonomics, 2019, 62, 767-777.	2.1	0
24	Measurement of the Internal Shape of Power Grip in Wrist Ulnar/Radial Deviation. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 1149-1153.	0.3	1
25	Analysis of Usage Characteristics of Premium Bus Passenger Using Video Observation Method. Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 1664-1668.	0.3	0
26	Classification of Upper Body Shapes Among Korean Male Wheelchair Users to Improve Clothing Fit. Assistive Technology, 2019, 31, 34-43.	2.0	8
27	Concurrent Validity of the Swallowing Monitoring & Assessment Protocol for the Elderly. Communication Sciences and Disorders, 2019, 24, 507-517.	0.4	7
28	An Ergonomic Evaluation of Convex Probe Designs Using Objective and Subjective Measures. Advances in Intelligent Systems and Computing, 2019, , 364-371.	0.6	0
29	An Ergonomic Grip Design Process for Vaginal Ultra Sound Probe Based on Analyses of Benchmarking, Hand Data, and Grip Posture. Advances in Intelligent Systems and Computing, 2019, , 352-363.	0.6	0
30	Evaluation of Preference and Wearing Characteristics of Fitness Compression wear for Korean Elderly Women. Fashion & Textile Research Journal, 2019, 21, 336-345.	0.6	2
31	An Analysis on Serious Games and Stakeholders' Needs for Vocal Training Game Development. Communication Sciences and Disorders, 2019, 24, 800-813.	0.4	1
32	A 3D anthropometric sizing analysis system based on North American CAESAR 3D scan data for design of head wearable products. Computers and Industrial Engineering, 2018, 117, 121-130.	6.3	34
33	Segmentation of liver and vessels from CT images and classification of liver segments for preoperative liver surgical planning in living donor liver transplantation. Computer Methods and Programs in Biomedicine, 2018, 158, 41-52.	4.7	44
34	Dr. Liver: A preoperative planning system of liver graft volumetry for living donor liver transplantation. Computer Methods and Programs in Biomedicine, 2018, 158, 11-19.	4.7	11
35	Ergonomic evaluation of pilot oxygen mask designs. Applied Ergonomics, 2018, 67, 133-141.	3.1	25
36	Development of an Ergonomic Method for Determination of Smartphone Hard Key Locations. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 1022-1026.	0.3	0

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37	Estimation of Instantaneous Hand Joint Centers of Rotation Using 3D Reconstructed Hand Skeleton Motion from CT Scans. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 681-685.	0.3	1
38	Evaluation of a Motion Seat System for Reduction of a Driver's Passive Task-Related (TR) Fatigue. Proceedings of the Human Factors and Ergonomics Society, 2018, 62, 1843-1847.	0.3	3
39	Development of an LCD-Based Visual Field System. Journal of Korean Medical Science, 2018, 33, e19.	2.5	0
40	Estimation of Standard Liver Volume Using CT Volume, Body Composition, and Abdominal Geometry Measurements. Yonsei Medical Journal, 2018, 59, 546.	2.2	7
41	Development of service concepts that utilize health-related data: A case study with the National Health Insurance Service of South Korea. IISE Transactions on Healthcare Systems Engineering, 2018, 8, 237-249.	1.7	1
42	Anthropometric analysis of 3D ear scans of Koreans and Caucasians for ear product design. Ergonomics, 2018, 61, 1480-1495.	2.1	34
43	Market Survey and Motion Characteristics Research on Fitness Compression Wear to Improve Muscle Efficiency for the Elderly. Fashion & Textile Research Journal, 2018, 20, 343-352.	0.6	2
44	Development of a Sizing System of Women's Fitness Wear for the Senior Population in South Korea. Fashion & Textile Research Journal, 2018, 20, 464-473.	0.6	0
45	Comparison of a semiautomatic protocol using plastering and three‐dimensional scanning techniques with the direct measurement protocol for hand anthropometry. Human Factors and Ergonomics in Manufacturing, 2017, 27, 138-146.	2.7	11
46	Development of a usability evaluation method using natural product-use motion. Applied Ergonomics, 2017, 60, 171-182.	3.1	11
47	Development of Statistical Models for Predicting a Driver's Hip and Eye Locations. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 501-504.	0.3	2
48	The Effect of Visual Attention Factors on Visual Field Testing for Maintenance of Gaze Fixation. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 701-704.	0.3	2
49	Analysis of Grip Posture for Ergonomic Smartphone Interface Design. Proceedings of the Human Factors and Ergonomics Society, 2017, 61, 1058-1061.	0.3	0
50	Classification of a Driver's cognitive workload levels using artificial neural network on ECG signals. Applied Ergonomics, 2017, 59, 326-332.	3.1	93
51	Evaluation of the Wearing Characteristics of Hip Protectors Based on Draping Pattern Design and Body Shape in Korean Elderly People. Journal of the Korean Fracture Society, 2017, 30, 180.	0.1	2
52	Development and Usability Testing of a User-Centered 3D Virtual Liver Surgery Planning System. Journal of the Ergonomics Society of Korea, 2017, 36, 37-52.	0.1	1
53	Application of massive 3D head and facial scan datasets in ergonomic head-product design. International Journal of the Digital Human, 2016, 1, 344.	0.1	16
54	Measurement and Application of 3D Ear Images For Earphone Design. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 1053-1057.	0.3	13

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55	The neural correlates of motor intentional disorders in patients with subcortical vascular cognitive impairment. Journal of Neurology, 2016, 263, 89-99.	3.6	6
56	Analysis on Force Tracking Capabilities of Healthy Adults. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 726-730.	0.3	0
57	Ergonomic Evaluation of Console Chairs for a Weapon Locating Radar. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 1409-1413.	0.3	1
58	Development of HeadForms and an Anthropometric Sizing Analysis System for Head-Related Product Designs. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 1419-1422.	0.3	1
59	The Effects of Age, Gender, and Hand on Force Control Capabilities of Healthy Adults. Human Factors, 2015, 57, 1348-1358.	3.5	7
60	3D Scan to Product Design: Methods, Techniques, and Cases. , 2015, , .		6
61	Usability Evaluation of Graphic User Interfaces for a Military Computer-Based Training System. Journal of the Ergonomics Society of Korea, 2015, 34, 401-410.	0.1	3
62	Motor intentional disorders in vascular mild cognitive impairment and vascular dementia of subcortical type. Neurocase, 2014, 20, 53-60.	0.6	7
63	Development and Usability Testing of Dr. Liverâ„¢. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 698-702.	0.3	1
64	Development of an Ergonomic Bus Seat Profile Design Protocol. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 1825-1828.	0.3	2
65	Effects of Color, Scouring Method, and Age on the Visual Sensibility of Naturally Colored Organic Cotton (NaCOC). Human Factors and Ergonomics in Manufacturing, 2014, 24, 318-327.	2.7	2
66	A hybrid semi-automatic method for liver segmentation based on level-set methods using multiple seed points. Computer Methods and Programs in Biomedicine, 2014, 113, 69-79.	4.7	59
67	Age and Gender Differences in Force Control Capabilities by Force Control Phase. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 190-194.	0.3	1
68	Ergonomic Design and Evaluation of a Pilot Oxygen Mask. Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 1673-1677.	0.3	11
69	Development of a textile sensibility evaluation system. Fibers and Polymers, 2013, 14, 1400-1406.	2.1	4
70	Analysis of the facial measurements of Korean Air Force pilots for oxygen mask design. Ergonomics, 2013, 56, 1451-1464.	2.1	40
71	Sitting Strategy Analysis based on Driving Postures and Seating Pressure Distributions. Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 1983-1986.	0.3	3
72	An anthropometric analysis of Korean male helicopter pilots for helicopter cockpit design. Ergonomics, 2013, 56, 879-887.	2.1	21

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73	Development of Statistical Geometric Models for a Driver's Hip and Eye Locations. Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 1978-1982.	0.3	1
74	Development of a Distributed Representative Human Model Generation and Analysis System for Multiple-Size Product Design. Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 2022-2026.	0.3	2
75	Analysis of the Facial Anthropometric Data of Korean Pilots for Oxygen Mask Design. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 1927-1931.	0.3	7
76	Ergonomic Design of a Main Control Room of Radioactive Waste Facility Using Digital Human Simulation. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 1912-1916.	0.3	1
77	Evaluation of the Force Sensitive Application hand force measurement system. Human Factors and Ergonomics in Manufacturing, 2010, 20, 226-232.	2.7	3
78	Evaluation of the multivariate accommodation performance of the grid method. Applied Ergonomics, 2010, 42, 156-161.	3.1	25
79	Development of a 3D Semi-Automatic Measurement Protocol for Hand Anthropometric Measurement. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 1780-1784.	0.3	3
80	An Analysis of Natural Motion for Product Design: Refrigerator Half-Guard Installation Part Design. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 1812-1816.	0.3	3
81	Development of a Quantitative and Comprehensive Usability Evaluation System Based on User Needs. Proceedings of the Human Factors and Ergonomics Society, 2009, 53, 1512-1516.	0.3	1
82	Development of the Boundary Zone Method for Generation of Representative Human Models. Proceedings of the Human Factors and Ergonomics Society, 2009, 53, 1472-1476.	0.3	4
83	Identification of the maximum acceptable frequencies of upper-extremity motions in the sagittal plane. Human Factors and Ergonomics in Manufacturing, 2009, 19, 212-222.	2.7	8
84	Application of the real fabric frictional speeds to the fabric sound analysis using water repellent fabrics. Fibers and Polymers, 2009, 10, 557-561.	2.1	7
85	Determination of key dimensions for a glove sizing system by analyzing the relationships between hand dimensions. Applied Ergonomics, 2009, 40, 762-766.	3.1	46
86	Development of a digital human model generation method for ergonomic design in virtual environment. International Journal of Industrial Ergonomics, 2009, 39, 744-748.	2.6	54
87	Motor-intentional Disorders in Right Hemisphere Stroke. Cognitive and Behavioral Neurology, 2009, 22, 242-248.	0.9	13
88	Development and usability testing of an operating manual for a hair-braiding machine. Human Factors and Ergonomics in Manufacturing, 2008, 18, 1-13.	2.7	3
89	A Multivariate Evaluation Method for Representative Human Model Generation Methods: Application to Grid Method. Proceedings of the Human Factors and Ergonomics Society, 2008, 52, 1665-1669.	0.3	4
90	Development of customer satisfaction models for automotive interior materials. International Journal of Industrial Ergonomics, 2006, 36, 323-330.	2.6	78

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91	An ergonomic evaluation of manual Cleco plier designs: Effects of rubber grip, spring recoil, and worksurface angle. Applied Ergonomics, 2005, 36, 575-583.	3.1	17
92	A survey of repetitiveness assessment methodologies for hand-intensive tasks. International Journal of Industrial Ergonomics, 2005, 35, 353-360.	2.6	8
93	Development of a hierarchical estimation method for anthropometric variables. International Journal of Industrial Ergonomics, 2005, 35, 331-343.	2.6	22
94	Affective Evaluation of Vehicle Interior Craftsmanship: Systematic Checklists for Touch/Feel Quality of Surface-Covering Material. Proceedings of the Human Factors and Ergonomics Society, 2004, 48, 971-975.	0.3	10
95	Estimation of standard liver volume for liver transplantation in the Korean population. Liver Transplantation, 2004, 10, 779-783.	2.4	84
96	The development of risk assessment models for carpal tunnel syndrome: a case-referent study. Ergonomics, 2004, 47, 688-709.	2.1	9
97	Development of Satisfaction Models for Passenger Car Interior Materials considering Statistical and Engineering Aspects of Design Variables. Proceedings of the Human Factors and Ergonomics Society, 2003, 47, 821-825.	0.3	1
98	Relationships between clinical symptom severity scales and nerve conduction measures in carpal tunnel syndrome. , 1999, 22, 497-501.		120
99	Relationships between clinical symptom severity scales and nerve conduction measures in carpal tunnel syndrome. Muscle and Nerve, 1999, 22, 497-501.	2.2	4