

Sougata Karmakar

List of Publications by Year in descending order

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53
papers

328
citations

933447

10
h-index

996975

15
g-index

62
all docs

62
docs citations

62
times ranked

187
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring the association of riders's physical attributes with comfortable riding posture and optimal riding position. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2022, 236, 185-207.	1.9	2
2	Socio-Demography, Working Conditions, and Musculoskeletal Ailments among Pineapple Farmers in Northeast India. Journal of Agromedicine, 2022, 27, 245-257.	1.5	1
3	The Possibility of Sustainable Development of Sualkuchi (The Biggest Silk Village of Assam) Handloom Sector Through Promotion of Rural Tourism. Design Science and Innovation, 2022, , 213-221.	0.3	1
4	OSH Risk Perception of Safety Managers and Scope for Ergonomics Design Interventions in Floating Solar Photovoltaic Projects. Lecture Notes in Networks and Systems, 2022, , 871-880.	0.7	2
5	Traditional Cultivation Practices of Water Chestnut in Northeast India (Assam): A Field Survey. Lecture Notes in Networks and Systems, 2022, , 369-381.	0.7	1
6	Urge for Human-Centered Design Intervention for Harvesting Aquatic Food Crops. Smart Innovation, Systems and Technologies, 2021, , 59-69.	0.6	0
7	Visual Features of Ethnic Handloom Products for Retention of the Unique Traditional Signatures Along with Detection of Authenticity. Smart Innovation, Systems and Technologies, 2021, , 531-542.	0.6	0
8	Research Design for Simplifying Anthropometric Data Collection Process Using PCA. Smart Innovation, Systems and Technologies, 2021, , 71-82.	0.6	0
9	Exploring the OSH Scenario in Floating Solar PV Projects in India and Opportunities for Ergonomics Design Interventions. Smart Innovation, Systems and Technologies, 2021, , 245-255.	0.6	3
10	Implementation of Kansei Engineering to Develop a Framework to Retain Ethnicity of Indian Handloom Products. Design Science and Innovation, 2021, , 799-805.	0.3	0
11	Understanding the synthesis of anthropometric diversity and workspace dimensions in ergonomic design of light armored vehicle. Human Factors and Ergonomics in Manufacturing, 2021, 31, 447-468.	2.7	1
12	Perceived comfortable posture and optimum riding position of Indian male motorcyclists for short-duration riding of standard motorcycles. International Journal of Industrial Ergonomics, 2021, 83, 103135.	2.6	8
13	Emerging OSH Issues in Installation and Maintenance of Floating Solar Photovoltaic Projects and Their Link with Sustainable Development Goals. Risk Management and Healthcare Policy, 2021, Volume 14, 1939-1957.	2.5	7
14	Effect of Hull Obliquity on Crew Protection, Mass and Space Occupancy of Light Armoured Vehicle. Defence Science Journal, 2021, 71, 619-629.	0.8	0
15	Scope of Improvement in Assembly-line of FMCG Industries through Ergonomic Design. Smart Innovation, Systems and Technologies, 2021, , 201-214.	0.6	6
16	Classification of Motorcycles and Prediction of Indian Motorcyclist's Posture at the Conceptual Design Stage. Lecture Notes in Mechanical Engineering, 2021, , 141-153.	0.4	2
17	Mounting a smartphone on a steering-wheel to facilitate ease of visibility of the navigation screen: A systematic product design approach. Work, 2021, 70, 1-12.	1.1	1
18	A scoping review on role of communication media for effective OSH awareness and training. International Journal of Reliability and Safety, 2021, 15, 1.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Positioning of the Mobile Phone to Minimize Driver's Biomechanical Effort During Navigation: DHM-Based Approach. <i>Journal of the Institution of Engineers (India): Series C</i> , 2020, 101, 867-880.	1.2	3
20	A Comprehensive Review of Work-Related Musculoskeletal Disorders in the Mining Sector and Scope for Ergonomics Design Interventions. <i>IISE Transactions on Occupational Ergonomics and Human Factors</i> , 2020, 8, 113-131.	0.8	6
21	Assessment of transmissibility of hand-arm vibration, noise exposure, and shift in hearing threshold among handicraft operatives: a cross-sectional study. <i>Journal of Industrial and Production Engineering</i> , 2020, 37, 134-147.	3.1	4
22	Determination of the key anthropometric and range of motion measurements for the ergonomic design of motorcycle. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 159, 107751.	5.0	10
23	Anthropometric Measurement and Comparative Analysis of Ethiopian Army Personnel Across Age, Ethnicity, and Nationality. <i>Defence Science Journal</i> , 2020, 70, 383-396.	0.8	9
24	Eye Tracking Based Objective Evaluation of Visual Aesthetics: A Review. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 370-381.	0.6	6
25	Digital human modeling (DHM) for improving work environment for specially-abled and elderly. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	16
26	Occupational ergonomics research and applied contextual design implementation for an industrial shop-floor workstation. <i>International Journal of Industrial Ergonomics</i> , 2019, 72, 188-198.	2.6	17
27	A Review of Eye Tracking Studies Related to Visual Aesthetic Experience: A Bottom-Up Approach. <i>Smart Innovation, Systems and Technologies</i> , 2019, , 391-403.	0.6	8
28	Association Between Adopted Posture and Perceived Vibrational Discomfort Among Stone Polishing Workers. <i>Smart Innovation, Systems and Technologies</i> , 2019, , 549-561.	0.6	0
29	Motorcycle riding posture: A review. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 134, 390-399.	5.0	16
30	Ergonomic Design and Evaluation of Innovative MainStand of Motorcycle. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 1099-1111.	0.6	0
31	A Study Exploring the Facets of Visual Elements in Ethnic Products: Case Study of Sarees from West Bengal. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 821-831.	0.6	4
32	Ergonomic Evaluations and Design Interventions for Shop-Floors Dealing with Chemical Conversion Coatings: Case Study from India. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 857-868.	0.6	7
33	Framework of a KE Application Software Development for Emotive Design: A Computational Cognitive Science Perspective. <i>Smart Innovation, Systems and Technologies</i> , 2017, , 469-478.	0.6	0
34	Virtual Ergonomics Evaluation of a Design Concept of Manual Powered Portable Paddy Thresher Suitable for Hilly Region Agriculture. <i>Smart Innovation, Systems and Technologies</i> , 2017, , 503-512.	0.6	3
35	Driver Distraction: Methodological Review. <i>Smart Innovation, Systems and Technologies</i> , 2017, , 849-859.	0.6	1
36	Exploring the Purchase Experience of Assam Silk as a Memento Among the Tourists to Strengthen the Bond Between Visitors and Native People. <i>Smart Innovation, Systems and Technologies</i> , 2017, , 679-689.	0.6	1

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37	D3-4â€œOccupation imposed postural discomfort among the stone polishing workers from Guwahati, Assam: A systematic ergonomic evaluation. Ningen Kogaku = the Japanese Journal of Ergonomics, 2017, 53, S438-S441.	0.1	0
38	Redesign of Work-Accessories Towards Minimizing Awkward Posture and Reduction of Work Cycle Elements in an Indian Shop-Floor Workstation. Advances in Intelligent Systems and Computing, 2016, , 219-232.	0.6	3
39	Ergonomics Perspective in Agricultural Research: A User-Centred Approach Using CAD and Digital Human Modeling (DHM) Technologies. Journal of the Institution of Engineers (India): Series A, 2016, 97, 333-342.	1.2	7
40	Statistical Interpretation of Collected Anthropometric Data of Agricultural Workers From Northeast India and Comparison With National and International Databases. IIE Transactions on Occupational Ergonomics and Human Factors, 2016, 4, 197-210.	0.4	8
41	Musculoskeletal ailments in Indian injection-molded plastic furniture manufacturing shop-floor: Mediating role of work shift duration. International Journal of Industrial Ergonomics, 2015, 48, 89-98.	2.6	14
42	Towards virtual ergonomics: aviation and aerospace. Aircraft Engineering and Aerospace Technology, 2015, 87, 266-273.	0.8	21
43	Role of Colour and Form in Product Choice and Variation of Preferences Across Product Categories: A Review. Smart Innovation, Systems and Technologies, 2015, , 631-640.	0.6	2
44	Cognitive Theories of Product Emotion and Their Applications in Emotional Product Design. Smart Innovation, Systems and Technologies, 2015, , 329-340.	0.6	9
45	Introduction to Ergonomics. International Journal of Industrial Ergonomics, 2014, 44, 892-893.	2.6	1
46	Usability is more valuable predictor than product personality for product choice in human-product physical interaction. International Journal of Industrial Ergonomics, 2014, 44, 697-705.	2.6	22
47	Product personality rating style for satisfaction of tactile need of online buyers — A human factors issue in the context of e-retailers' web-design. , 2013, , .		5
48	Proactive ergonomics through digital human modeling and simulation for product design innovation: A case study. , 2013, , .		2
49	Application of digital human modeling and simulation for vision analysis of pilots in a jet aircraft: a case study. Work, 2012, 41, 3412-3418.	1.1	34
50	Emotion and interior space design: an ergonomic perspective. Work, 2012, 41, 1072-1078.	1.1	23
51	Nanomaterials in the field of design ergonomics: present status. Ergonomics, 2012, 55, 1453-1462.	2.1	16
52	Association Study between Lead and Zinc Accumulation at Different Physiological Systems of Cattle by Canonical Correlation and Canonical Correspondence Analyses. AIP Conference Proceedings, 2010, , .	0.4	2
53	Applications of DHM in Agricultural Engineering: A Review. Advanced Engineering Forum, 0, 10, 16-21.	0.3	7