

# Abid Ali Khan

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

381  
citations

1040056

9  
h-index

888059

17  
g-index

67  
all docs

67  
docs citations

67  
times ranked

306  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of whole-body vibration on neuromuscular performance: A literature review. <i>Work</i> , 2018, 59, 571-583.	1.1	75
2	Selection of Features and Classifiers for EMG-EEG-Based Upper Limb Assistive Devices—A Review. <i>IEEE Reviews in Biomedical Engineering</i> , 2020, 13, 248-260.	18.0	38
3	Effects of combined wrist deviation and forearm rotation on discomfort score. <i>Ergonomics</i> , 2009, 52, 345-361.	2.1	32
4	Effects of shoulder rotation combined with elbow flexion on discomfort and EMG activity of ECRB muscle. <i>International Journal of Industrial Ergonomics</i> , 2014, 44, 882-891.	2.6	22
5	Effects of combined wrist flexion/extension and forearm rotation and two levels of relative force on discomfort. <i>Ergonomics</i> , 2009, 52, 1265-1275.	2.1	20
6	Effect on discomfort of frequency of wrist exertions combined with wrist articulations and forearm rotation. <i>International Journal of Industrial Ergonomics</i> , 2010, 40, 492-503.	2.6	17
7	Effect of coating over the handle of a drill machine on vibration transmissibility. <i>Applied Ergonomics</i> , 2014, 45, 239-246.	3.1	15
8	Ergonomics investigation for orientation of the handles of wood routers. <i>International Journal of Occupational Safety and Ergonomics</i> , 2018, 24, 592-604.	1.9	11
9	Lower limb rehabilitation robotics: The current understanding and technology. <i>Work</i> , 2021, 69, 775-793.	1.1	11
10	Pattern recognition of EMG signals for low level grip force classification. <i>Biomedical Physics and Engineering Express</i> , 2021, 7, 065012.	1.2	11
11	Effects of vibration therapy on neuromuscular efficiency & features of the EMG signal based on endurance test. <i>Journal of Bodywork and Movement Therapies</i> , 2020, 24, 325-335.	1.2	10
12	Design of a workstation and its evaluation under the influence of noise and illumination for an assembly task. <i>Work</i> , 2011, 39, 3-14.	1.1	8
13	Effect of Elbow Flexion, Forearm Rotation and Upper Arm Abduction on MVC Grip and Grip Endurance Time. <i>International Journal of Occupational Safety and Ergonomics</i> , 2012, 18, 487-498.	1.9	8
14	Effect of shoulder rotation, upper arm rotation and elbow flexion in a repetitive gripping task. <i>Work</i> , 2012, 43, 263-278.	1.1	8
15	Role of 1.5 mm microplates in treatment of symphyseal fracture of mandible: A stress analysis based comparative study. <i>Journal of Oral Biology and Craniofacial Research</i> , 2017, 7, 119-122.	1.9	8
16	Lower limb rehabilitation using multimodal measurement of sit-to-stand and stand-to-sit task. <i>Disability and Rehabilitation: Assistive Technology</i> , 2019, 16, 1-8.	2.2	7
17	Ergonomic design and evaluation of pliers. <i>Work</i> , 2010, 37, 135-143.	1.1	5
18	Effects of position of the handles and feed force on discomfort score and grip strength during hand drilling. <i>International Journal of Human Factors and Ergonomics</i> , 2012, 1, 148.	0.3	5

#	ARTICLE	IF	CITATIONS
19	Enhancing classification accuracy of wrist movement by denoising sEMG signals. , 2013, 2013, 5762-4.		5
20	ANN based classification of sit to stand transfer. Materials Today: Proceedings, 2020, 24, 1029-1034.	1.8	5
21	Design and manufacture of a custom ankleâ€“foot orthoses using traditional manufacturing and fused deposition modeling. Progress in Additive Manufacturing, 2021, 6, 555-570.	4.8	5
22	Effect of grip, stroke rotation and handle size on discomfort for screwing task. International Journal of Human Factors and Ergonomics, 2012, 1, 390.	0.3	4
23	Effects of vibratory massage therapy on grip strength, endurance time and forearm muscle performance. Work, 2021, 68, 619-632.	1.1	4
24	Predictors of Whole-Body Vibration Exposure among Indian Bus and Truck Drivers. Journal of Physics: Conference Series, 2021, 1854, 012033.	0.4	4
25	A comparative study on evaluation of role of 1.5 mm microplates and 2.0 mm standard miniplates in management of mandibular fractures using bite force as indicator of recommendation. National Journal of Maxillofacial Surgery, 2016, 7, 39.	0.5	4
26	Optimization of the levels of grip force, stroke rotation, frequency and grip span for a torqueing task. International Journal of Occupational Safety and Ergonomics, 2015, 21, 94-104.	1.9	3
27	The effect of grip force, stroke rotation and frequency on discomfort for a torqueing tasks. Work, 2016, 53, 691-708.	1.1	3
28	sEMG signal enhancement using cubical denoising for wrist movement classification. , 2017, , .		3
29	Knee torque estimation in sit to stand transfer. Journal of Physics: Conference Series, 2019, 1240, 012153.	0.4	3
30	Onset difference between vastus lateralis and knee extension during sit to stand task. AIP Conference Proceedings, 2019, , .	0.4	3
31	A Preliminary Study on ReliefF based Feature Ranking for Classification of Myoelectric Signals. , 2021, , .		3
32	EMG based classification for pick and place task. Biomedical Physics and Engineering Express, 2021, 7, 035021.	1.2	3
33	EFFECTS OF WHOLE-BODY VIBRATION ON MUSCLE STRENGTH, BALANCE AND FUNCTIONAL MOBILITY IN PATIENTS WITH MULTIPLE SCLEROSIS: A SYSTEMATIC REVIEW AND META-ANALYSIS. Journal of Musculoskeletal Research, 2020, 23, 2050019.	0.2	3
34	Effect of illumination, noise and text/background colour on spontaneous eye blink rate. Theoretical Issues in Ergonomics Science, 2011, 12, 514-532.	1.8	2
35	Prediction of Ride Comfort of Two-Wheeler Riders Exposed to Whole-Body Vibration. Lecture Notes in Mechanical Engineering, 2019, , 563-571.	0.4	2
36	Effect of noise, heat stress and exposure duration on operators in a die casting operation. Occupational Ergonomics, 2008, 7, 233-245.	0.3	2

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37	Relation of work stressors and work-related MSDs among Indian heavy vehicle drivers. Indian Journal of Occupational and Environmental Medicine, 2021, 25, 198.	0.2	2
38	A Neural Network Classification of sEMG Signals for Estimation of Force While Gripping. Lecture Notes in Mechanical Engineering, 2019, , 585-593.	0.4	1
39	The combined implementation of Green, Lean and Six Sigma approaches for achieving environmental sustainability – A Review. IOP Conference Series: Materials Science and Engineering, 2022, 1224, 012004.	0.6	1
40	Residual stress investigation in the metallic coating approach of micro-sized particles on the substrate: cold spray additive manufacturing. Advances in Materials and Processing Technologies, 2022, 8, 4642-4658.	1.4	1
41	Effect of Feed Force and Duration on Discomfort Level Using a Hand Drill Machine. Noise and Vibration Worldwide, 2010, 41, 30-37.	1.0	0
42	Bagasse – A Replacement of Glass Wool as an Acoustic Material. , 2018, , 105-109.		0
43	Kinematics of Sit-to-Stand Task for Knee Osteoarthritis Patients. Lecture Notes in Mechanical Engineering, 2019, , 421-428.	0.4	0
44	Physical Effects on an Assembly of Modeled Teeth and Mandible Using Finite Element Analysis. Design Science and Innovation, 2021, , 91-96.	0.3	0
45	Assessment of ergonomic risk factors in occupational motorcycle riding: an experimental investigation. International Journal of Human Factors and Ergonomics, 2021, 1, 1.	0.3	0
46	Correlation Between Anthropometry Dimensions and EMG Features During Endurance Task. Design Science and Innovation, 2021, , 779-785.	0.3	0
47	Effect of Vibration Intervention on Forearm Muscles to Improve Grip Strength: A Systematic Review. Design Science and Innovation, 2021, , 401-408.	0.3	0
48	Correlation Between Anthropometric Measurements and Muscle Performance Based on Endurance Test. Lecture Notes in Mechanical Engineering, 2021, , 287-295.	0.4	0
49	Comparative Study of ANN Algorithms for EMG Signals. Design Science and Innovation, 2021, , 637-643.	0.3	0
50	A Low-Cost Novel Design for Knee Orthosis. Lecture Notes in Mechanical Engineering, 2021, , 67-74.	0.4	0
51	Effect of EMG Denoising on Classification Accuracy of Sit to Stand Phases. Lecture Notes in Mechanical Engineering, 2021, , 869-875.	0.4	0
52	Electromyography-based Fatigue Assessment During Endurance Testing by Different Vibration Training Protocols. Iranian Rehabilitation Journal, 2021, 19, 85-98.	0.3	0
53	Multichannel Feature Extraction for Pattern Recognition of EMG Signals in Time and Frequency Domain. Design Science and Innovation, 2021, , 807-814.	0.3	0
54	Industrial Defects Reduction Using Quality Control Tools. Design Science and Innovation, 2021, , 787-792.	0.3	0

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55	Assessment of ergonomic risk factors in occupational motorcycle riding: an experimental investigation. International Journal of Human Factors and Ergonomics, 2021, 8, 1.	0.3	0
56	Application of Wavelet Denoising for Phasic Classification in Pick and Place Task. Lecture Notes in Mechanical Engineering, 2021, , 609-615.	0.4	0
57	Simulation based discomfort assessment of two-wheeler riders. International Journal of Human Factors Modelling and Simulation, 2018, 6, 314.	0.2	0
58	A Neural Network-Based Classification for Finger Motion While Grasping Different Sized Objects. Lecture Notes in Mechanical Engineering, 2021, , 113-118.	0.4	0
59	Muscular Discomfort in Occupational Motorcycle Riding. Lecture Notes in Mechanical Engineering, 2021, , 53-59.	0.4	0
60	INVESTIGATION OF THE RELATIONSHIP BETWEEN ANTHROPOMETRIC MEASUREMENTS AND FOREARM POSTURES WITH GRIP STRENGTH IN YOUNG ADULTS. Journal of Musculoskeletal Research, 0, , .	0.2	0