

# Na Abd Razak

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

282  
citations

1163117

8  
h-index

996975

15  
g-index

32  
all docs

32  
docs citations

32  
times ranked

216  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in bioactive glass-containing injectable hydrogel biomaterials for tissue regeneration. <i>Acta Biomaterialia</i> , 2021, 136, 1-36.	8.3	61
2	Recycling of polyethylene terephthalate wastes: A review of technologies, routes, and applications. <i>Polymer Engineering and Science</i> , 2022, 62, 2355-2375.	3.1	38
3	Video Game-Based Rehabilitation Approach for Individuals Who Have Undergone Upper Limb Amputation: Case-Control Study. <i>JMIR Serious Games</i> , 2021, 9, e17017.	3.1	16
4	Hydrothermal synthesis of carbon microspheres from sucrose with citric acid as a catalyst: physicochemical and structural properties. <i>Journal of Taibah University for Science</i> , 2020, 14, 1042-1050.	2.5	13
5	Prosthetics socket that incorporates an air splint system focusing on dynamic interface pressure. <i>BioMedical Engineering OnLine</i> , 2014, 13, 108.	2.7	12
6	Improvement on upper limb body-powered prostheses (1921-2016): A systematic review. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2018, 232, 3-11.	1.8	10
7	Comparative study of the circumferential and volumetric analysis between conventional casting and three-dimensional scanning methods for transtibial socket: A preliminary study. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2019, 233, 181-192.	1.8	10
8	Physiological Responses of Exergaming Boxing in Adults: A Systematic Review and Meta-Analysis. <i>Games for Health Journal</i> , 2021, 10, 73-82.	2.0	9
9	Comparison of Conventional and Virtual Reality Box and Blocks Tests in Upper Limb Amputees: A Case-Control Study. <i>IEEE Access</i> , 2021, 9, 76983-76990.	4.2	9
10	Validation of a roughness parameters for defining surface roughness of prosthetic polyethylene Pe-Lite liner. <i>Scientific Reports</i> , 2022, 12, 2636.	3.3	9
11	Development and performance of a new prosthesis system using ultrasonic sensor for wrist movements: a preliminary study. <i>BioMedical Engineering OnLine</i> , 2014, 13, 49.	2.7	8
12	Comparison study of the prosthetics interface pressure profile of air splint socket and ICRC polypropylene socket for upper limb prosthetics. <i>Biocybernetics and Biomedical Engineering</i> , 2015, 35, 100-105.	5.9	8
13	Contributions of the Cybathlon championship to the literature on functional electrical stimulation cycling among individuals with spinal cord injury: A bibliometric review. <i>Journal of Sport and Health Science</i> , 2022, 11, 671-680.	6.5	8
14	A review of history of CAD/CAM system application in the production of transtibial prosthetic socket in developing countries (from 1980 to 2019). <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2021, 235, 1359-1374.	1.8	8
15	Classification and Comparison of Mechanical Design of Powered Ankle-Foot Prostheses for Transtibial Amputees Developed in the 21st Century: A Systematic Review. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2021, 15, .	0.7	8
16	Biomechanics principle of elbow joint for transhumeral prostheses: comparison of normal hand, body-powered, myoelectric & air splint prostheses. <i>BioMedical Engineering OnLine</i> , 2014, 13, 134.	2.7	6
17	Satisfaction and Problems Experienced with Wrist Movements. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2014, 93, 437-444.	1.4	6
18	Clinical implication of interface pressure for a new prosthetic suspension system. <i>BioMedical Engineering OnLine</i> , 2014, 13, 89.	2.7	6

#	ARTICLE	IF	CITATIONS
19	Investigation of EMG parameter for transtibial prosthetic user with flexion and extension of the knee and normal walking gait: A preliminary study. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2021, 235, 419-427.	1.8	6
20	Optimization and Comparison of Typical Elastic Actuators in Powered Ankle-foot Prosthesis. International Journal of Control, Automation and Systems, 2022, 20, 232-242.	2.7	6
21	Awareness, potential factors, and post-amputation care of stump flexion contractures among transtibial amputees. Turkish Journal of Physical Medicine and Rehabilitation, 2018, 64, 268-276.	1.1	5
22	Engineering stiffness in highly porous biomimetic gelatin/tertiary bioactive glass hybrid scaffolds using graphene nanosheets. Reactive and Functional Polymers, 2020, 154, 104668.	4.1	4
23	Compression and tension behavior of the prosthetic foam materials polyurethane, EVA, Peliteâ,,ç and a combination of polyurethane and EVA: a preliminary study. Biomedizinische Technik, 2021, 66, 317-322.	0.8	4
24	Machine Learning Application of Transcranial Motor-Evoked Potential to Predict Positive Functional Outcomes of Patients. Computational Intelligence and Neuroscience, 2022, 2022, 1-13.	1.7	4
25	Analysis of voluntary opening Ottobock Hook and Hosmer Hook for upper limb prosthetics: a preliminary study. Biomedizinische Technik, 2017, 62, 447-454.	0.8	2
26	Correlating Psychophysiological Responses of Exergaming Boxing for Predictive Heart Rate Regression Models in Young Adults. IEEE Transactions on Games, 2020, 12, 398-405.	1.4	2
27	Design and development of automated dispensing machine as medical device-based application: A review. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 10033-10050.	2.1	2
28	An anthropomorphic transhumeral prosthesis socket developed based on an oscillometric pump and controlled by force-sensitive resistor pressure signals. Biomedizinische Technik, 2017, 62, 49-55.	0.8	1
29	Development and Performance Evaluation of Automated Methadone Dispenser for Drug Addiction Therapy. Journal of Testing and Evaluation, 2022, 50, 1299-1312.	0.7	0
30	Exergaming Training Experience for Children: A Systematic Review of Qualitative Assessments With Meta-Synthesis. IEEE Transactions on Games, 2022, , 1-14.	1.4	0