

# Noor Azuan Abu Osman

## List of Publications by Year in descending order

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Version: 2024-02-01

257  
papers

6,597  
citations

61984

43  
h-index

88630

70  
g-index

274  
all docs

274  
docs citations

274  
times ranked

8388  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on powder-based additive manufacturing for tissue engineering: selective laser sintering and inkjet 3D printing. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 033502.	6.1	502
2	Effects of surface coating on reducing friction and wear of orthopaedic implants. <i>Science and Technology of Advanced Materials</i> , 2014, 15, 014402.	6.1	211
3	Effect of Layer Thickness and Printing Orientation on Mechanical Properties and Dimensional Accuracy of 3D Printed Porous Samples for Bone Tissue Engineering. <i>PLoS ONE</i> , 2014, 9, e108252.	2.5	208
4	Magnesium incorporated hydroxyapatite: Synthesis and structural properties characterization. <i>Ceramics International</i> , 2014, 40, 6021-6029.	4.8	194
5	The Use of Fiber Bragg Grating Sensors in Biomechanics and Rehabilitation Applications: The State-of-the-Art and Ongoing Research Topics. <i>Sensors</i> , 2012, 12, 12890-12926.	3.8	178
6	Synthesis, Mechanical Properties, and in Vitro Biocompatibility with Osteoblasts of Calcium Silicate-Reduced Graphene Oxide Composites. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 3947-3962.	8.0	153
7	Cross-sectional area measurements for tendon specimens: A comparison of several methods. <i>Journal of Biomechanics</i> , 1969, 2, 175-186.	2.1	126
8	Effect of technical parameters on porous structure and strength of 3D printed calcium sulfate prototypes. <i>Robotics and Computer-Integrated Manufacturing</i> , 2016, 37, 57-67.	9.9	119
9	Wear Debris Characterization and Corresponding Biological Response: Artificial Hip and Knee Joints. <i>Materials</i> , 2014, 7, 980-1016.	2.9	117
10	Balance control in lower extremity amputees during quiet standing: A systematic review. <i>Gait and Posture</i> , 2014, 39, 672-682.	1.4	113
11	Dental implants from functionally graded materials. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101, 3046-3057.	4.0	105
12	Design and Development for Capacitive Humidity Sensor Applications of Lead-Free Ca,Mg,Fe,Ti-Oxides-Based Electro-Ceramics with Improved Sensing Properties via Physisorption. <i>Sensors</i> , 2016, 16, 1135.	3.8	101
13	Adsorption of Dyes Using Poly(vinyl alcohol) (PVA) and PVA-Based Polymer Composite Adsorbents: A Review. <i>Journal of Polymers and the Environment</i> , 2020, 28, 775-793.	5.0	101
14	Effect of layer printing delay on mechanical properties and dimensional accuracy of 3D printed porous prototypes in bone tissue engineering. <i>Ceramics International</i> , 2015, 41, 8320-8330.	4.8	100
15	Role of Morphological Structure, Doping, and Coating of Different Materials in the Sensing Characteristics of Humidity Sensors. <i>Sensors</i> , 2014, 14, 16343-16422.	3.8	97
16	Evaluation of new suspension system for limb prosthetics. <i>BioMedical Engineering OnLine</i> , 2014, 13, 1.	2.7	96
17	Polycaprolactone/starch composite: Fabrication, structure, properties, and applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 2482-2498.	4.0	94
18	Biomechanical evaluation of the relationship between postural control and body mass index. <i>Journal of Biomechanics</i> , 2012, 45, 1638-1642.	2.1	91

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19	Balance and Risk of Fall in Individuals with Bilateral Mild and Moderate Knee Osteoarthritis. PLoS ONE, 2014, 9, e92270.	2.5	82
20	Improved bio-physical performance of hydroxyapatite coatings obtained by electrophoretic deposition at dynamic voltage. Ceramics International, 2014, 40, 12681-12691.	4.8	81
21	3D-printed biphasic calcium phosphate scaffolds coated with an oxygen generating system for enhancing engineered tissue survival. Materials Science and Engineering C, 2018, 84, 236-242.	7.3	77
22	Pistoning assessment in lower limb prosthetic sockets. Prosthetics and Orthotics International, 2012, 36, 15-24.	1.0	64
23	Techniques for Interface Stress Measurements within Prosthetic Sockets of Transtibial Amputees: A Review of the Past 50 Years of Research. Sensors, 2016, 16, 1119.	3.8	64
24	Mechanical and physical properties of calcium silicate/alumina composite for biomedical engineering applications. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 30, 168-175.	3.1	63
25	Acute Effect of Static and Dynamic Stretching on Hip Dynamic Range of Motion During Instep Kicking in Professional Soccer Players. Journal of Strength and Conditioning Research, 2011, 25, 1647-1652.	2.1	62
26	Intrarater Test-Retest Reliability of Static and Dynamic Stability Indexes Measurement Using the Biodex Stability System During Unilateral Stance. Journal of Applied Biomechanics, 2014, 30, 300-304.	0.8	62
27	Facile synthesis of calcium silicate hydrate using sodium dodecyl sulfate as a surfactant assisted by ultrasonic irradiation. Ultrasonics Sonochemistry, 2014, 21, 735-742.	8.2	60
28	Endothelial cell responses in terms of adhesion, proliferation, and morphology to stiffness of polydimethylsiloxane elastomer substrates. Journal of Biomedical Materials Research - Part A, 2015, 103, 2203-2213.	4.0	58
29	Structure, Properties, and In Vitro Behavior of Heat-Treated Calcium Sulfate Scaffolds Fabricated by 3D Printing. PLoS ONE, 2016, 11, e0151216.	2.5	57
30	Transtibial prosthesis suspension systems: Systematic review of literature. Clinical Biomechanics, 2014, 29, 87-97.	1.2	55
31	Development process of new bumper beam for passenger car: A review. Materials & Design, 2012, 40, 304-313.	5.1	54
32	Optimal design of a 3D-printed scaffold using intelligent evolutionary algorithms. Applied Soft Computing Journal, 2016, 39, 36-47.	7.2	54
33	Mechanical and In Vitro Biological Performance of Graphene Nanoplatelets Reinforced Calcium Silicate Composite. PLoS ONE, 2014, 9, e106802.	2.5	53
34	Mechanical and physical behavior of newly developed functionally graded materials and composites of stainless steel 316L with calcium silicate and hydroxyapatite. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 49, 321-331.	3.1	53
35	Qualitative Study of Prosthetic Suspension Systems on Transtibial Amputees' Satisfaction and Perceived Problems With Their Prosthetic Devices. Archives of Physical Medicine and Rehabilitation, 2012, 93, 1919-1923.	0.9	50
36	Progress of key strategies in development of electrospun scaffolds: bone tissue. Science and Technology of Advanced Materials, 2012, 13, 043002.	6.1	50

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37	Development of a Micro-Gripper Using Piezoelectric Bimorphs. <i>Sensors</i> , 2013, 13, 5826-5840.	3.8	50
38	Review of the Socket Design and Interface Pressure Measurement for Transtibial Prosthesis. <i>Scientific World Journal, The</i> , 2014, 2014, 1-9.	2.1	50
39	Transtibial prosthetic socket pistoning: Static evaluation of Seal-In® X5 and Dermo® Liner using motion analysis system. <i>Clinical Biomechanics</i> , 2012, 27, 34-39.	1.2	47
40	In Vitro Study of Surface Modified Poly(ethylene glycol)-Impregnated Sintered Bovine Bone Scaffolds on Human Fibroblast Cells. <i>Scientific Reports</i> , 2015, 5, 9806.	3.3	47
41	Development and Validation of Fiber Bragg Grating Sensing Pad for Interface Pressure Measurements Within Prosthetic Sockets. <i>IEEE Sensors Journal</i> , 2016, 16, 965-974.	4.7	46
42	Title is missing!. <i>Journal of Medical and Biological Engineering</i> , 2013, 33, 207.	1.8	46
43	Three-dimensional finite element analyses of functionally graded femoral prostheses with different geometrical configurations. <i>Materials &amp; Design</i> , 2014, 56, 998-1008.	5.1	45
44	Interface pressure in transtibial socket during ascent and descent on stairs and its effect on patient satisfaction. <i>Clinical Biomechanics</i> , 2013, 28, 994-999.	1.2	44
45	Design of new generation femoral prostheses using functionally graded materials: A finite element analysis. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2013, 227, 3-17.	1.8	44
46	Morphological Change of Heat Treated Bovine Bone: A Comparative Study. <i>Materials</i> , 2013, 6, 65-75.	2.9	44
47	Transfemoral Prosthesis Suspension Systems. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2014, 93, 809-823.	1.4	42
48	Clinical investigation of the interface pressure in the trans-tibial socket with Dermo and Seal-In X5 liner during walking and their effect on patient satisfaction. <i>Clinical Biomechanics</i> , 2012, 27, 943-948.	1.2	41
49	100 top-cited scientific papers in limb prosthetics. <i>BioMedical Engineering OnLine</i> , 2013, 12, 119.	2.7	41
50	Intelligent Screening Systems for Cervical Cancer. <i>Scientific World Journal, The</i> , 2014, 2014, 1-15.	2.1	41
51	Oxygen-Releasing Scaffolds for Accelerated Bone Regeneration. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 2985-2994.	5.2	38
52	Optimisation and biological activities of bioceramic robocast scaffolds provided with an oxygen-releasing coating for bone tissue engineering applications. <i>Ceramics International</i> , 2019, 45, 805-816.	4.8	37
53	Transtibial prosthetic suspension: Less pistoning versus easy donning and doffing. <i>Journal of Rehabilitation Research and Development</i> , 2012, 49, 1321.	1.6	36
54	Numerical investigation of the effect of cannula placement on thrombosis. <i>Theoretical Biology and Medical Modelling</i> , 2013, 10, 35.	2.1	36

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55	Mechanical behaviour of in-situ chondrocytes subjected to different loading rates: a finite element study. <i>Biomechanics and Modeling in Mechanobiology</i> , 2012, 11, 983-993.	2.8	34
56	The Capability of Fiber Bragg Grating Sensors to Measure Amputeesâ€™ Trans-Tibial Stump/Socket Interface Pressures. <i>Sensors</i> , 2013, 13, 10348-10357.	3.8	33
57	Effect of starch content on the biodegradation of polycaprolactone/starch composite for fabricating in situ pore-forming scaffolds. <i>Polymer Testing</i> , 2015, 43, 94-102.	4.8	33
58	Design and Development of Potential Tissue Engineering Scaffolds from Structurally Different Longitudinal Parts of a Bovine-Femur. <i>Scientific Reports</i> , 2014, 4, 5843.	3.3	33
59	Satisfaction and Problems Experienced With Transfemoral Suspension Systems: A Comparison Between Common Suction Socket and Seal-In Liner. <i>Archives of Physical Medicine and Rehabilitation</i> , 2013, 94, 1584-1589.	0.9	32
60	Enhanced Performance With Elastic Resistance During the Eccentric Phase of a Countermovement Jump. <i>International Journal of Sports Physiology and Performance</i> , 2013, 8, 181-187.	2.3	32
61	Gait Biomechanics of Individuals with Transtibial Amputation: Effect of Suspension System. <i>PLoS ONE</i> , 2014, 9, e96988.	2.5	31
62	Extracellular matrix integrity affects the mechanical behaviour of in-situ chondrocytes under compression. <i>Journal of Biomechanics</i> , 2014, 47, 1004-1013.	2.1	31
63	Is metal nanofluid reliable as heat carrier?. <i>Journal of Hazardous Materials</i> , 2014, 273, 183-191.	12.4	31
64	Epigallocatechin Gallate/Layered Double Hydroxide Nanohybrids: Preparation, Characterization, and In Vitro Anti-Tumor Study. <i>PLoS ONE</i> , 2015, 10, e0136530.	2.5	31
65	Development of an Air Pneumatic Suspension System for Transtibial Prostheses. <i>Sensors</i> , 2014, 14, 16754-16765.	3.8	30
66	The Effect on Human Balance of Standing with Toe-Extension. <i>PLoS ONE</i> , 2012, 7, e41539.	2.5	29
67	Modified mathematical model for gas phase olefin polymerization in fluidized-bed catalytic reactor. <i>Chemical Engineering Journal</i> , 2009, 149, 353-362.	12.7	28
68	An experimental study of the interface pressure profile during level walking of a new suspension system for lower limb amputees. <i>Clinical Biomechanics</i> , 2013, 28, 55-60.	1.2	28
69	A new approach for the pistoning measurement in transtibial prosthesis. <i>Prosthetics and Orthotics International</i> , 2011, 35, 360-364.	1.0	27
70	Quantitative analysis of human ankle characteristics at different gait phases and speeds for utilizing in ankle-foot prosthetic design. <i>BioMedical Engineering OnLine</i> , 2014, 13, 19.	2.7	27
71	Fabrication and characterization of DLC coated microdimples on hip prosthesis heads. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2015, 103, 1002-1012.	3.4	26
72	Review on CFD simulation in heart with dilated cardiomyopathy and myocardial infarction. <i>Computers in Biology and Medicine</i> , 2013, 43, 377-385.	7.0	25

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73	Quantitative and Qualitative Comparison of a New Prosthetic Suspension System with Two Existing Suspension Systems for Lower Limb Amputees. American Journal of Physical Medicine and Rehabilitation, 2012, 91, 1028-1038.	1.4	24
74	In vivo and in vitro outcomes of alumina, zirconia and their composited ceramic-on-ceramic hip joints. Journal of the Ceramic Society of Japan, 2013, 121, 382-387.	1.1	24
75	Technology Efficacy in Active Prosthetic Knees for Transfemoral Amputees: A Quantitative Evaluation. Scientific World Journal, The, 2014, 2014, 1-17.	2.1	24
76	The Validity and Reliability of Motion Analysis in Patellar Tendon Reflex Assessment. PLoS ONE, 2013, 8, e55702.	2.5	24
77	Finite element analysis of circumferential crack behavior in cementâ€“femoral prosthesis interface. Materials & Design, 2013, 49, 96-102.	5.1	23
78	Ion size, loading, and charge determine the mechanical properties, surface apatite, and cell growth of silver and tantalum doped calcium silicate. RSC Advances, 2016, 6, 190-200.	3.6	23
79	The Effects of a Prophylactic Knee Brace and Two Neoprene Knee Sleeves on the Performance of Healthy Athletes: A Crossover Randomized Controlled Trial. PLoS ONE, 2012, 7, e50110.	2.5	23
80	The patellar tendon bar! Is it a necessary feature?. Medical Engineering and Physics, 2010, 32, 760-765.	1.7	22
81	Transducers for the determination of the pressure and shear stress distribution at the stumpâ€“socket interface of trans-tibial amputees. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2010, 224, 1239-1250.	2.4	21
82	Design and validation of a bi-axial loading bioreactor for mechanical stimulation of engineered cartilage. Medical Engineering and Physics, 2011, 33, 782-788.	1.7	21
83	Clinical Evaluation of Two Prosthetic Suspension Systems in a Bilateral Transtibial Amputee. American Journal of Physical Medicine and Rehabilitation, 2012, 91, 894-898.	1.4	21
84	Finite element analysis on longitudinal and radial functionally graded femoral prosthesis. International Journal for Numerical Methods in Biomedical Engineering, 2013, 29, 1412-1427.	2.1	21
85	Evaluation of <i>Trigonella foenum-graecum</i> extract in combination with swimming exercise compared to glibenclamide consumption on type 2 Diabetic rodents. Food and Nutrition Research, 2015, 59, 29717.	2.6	21
86	Polyurethane/58S bioglass nanofibers: synthesis, characterization, and in vitro evaluation. RSC Advances, 2016, 6, 35815-35824.	3.6	21
87	Influence of Age on Patellar Tendon Reflex Response. PLoS ONE, 2013, 8, e80799.	2.5	20
88	The effects of prosthetic foot type and visual alteration on postural steadiness in below-knee amputees. BioMedical Engineering OnLine, 2014, 13, 23.	2.7	20
89	The limits of stability and muscle activity in middle-aged adults during static and dynamic stance. Journal of Biomechanics, 2016, 49, 3943-3948.	2.1	20
90	Adsorbents for removal of cationic dye: nanocellulose reinforced biopolymer composites. Journal of Polymer Research, 2020, 27, 1.	2.4	20

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91	Postural Stability Characteristics of Transtibial Amputees Wearing Different Prosthetic Foot Types When Standing on Various Support Surfaces. <i>Scientific World Journal, The</i> , 2014, 2014, 1-6.	2.1	19
92	Effect of exercise and gait retraining on knee adduction moment in people with knee osteoarthritis. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2014, 228, 190-199.	1.8	19
93	Synthesis and Characterizations of Novel Ca-Mg-Ti-Fe-Oxides Based Ceramic Nanocrystals and Flexible Film of Polydimethylsiloxane Composite with Improved Mechanical and Dielectric Properties for Sensors. <i>Sensors</i> , 2016, 16, 292.	3.8	19
94	Moisture sensitive inimitable Armalcolite/PDMS flexible sensor: A new entry. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 211-220.	7.8	19
95	The Properties of Chondrocyte Membrane Reservoirs and Their Role in Impact-Induced Cell Death. <i>Biophysical Journal</i> , 2013, 105, 1590-1600.	0.5	18
96	Dual photon excitation microscopy and image threshold segmentation in live cell imaging during compression testing. <i>Journal of Biomechanics</i> , 2013, 46, 2024-2031.	2.1	18
97	Interface Stress in Socket/Residual Limb with Transtibial Prosthetic Suspension Systems During Locomotion on Slopes and Stairs. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2015, 94, 1-10.	1.4	18
98	Electromyographic Activity of the Lower Limb Muscles during &lt;i>Salat&/i> and Specific Exercises. <i>Journal of Physical Therapy Science</i> , 2012, 24, 549-552.	0.6	17
99	Effect of Geometrical Parameters on the Performance of Longitudinal Functionally Graded Femoral Prostheses. <i>Artificial Organs</i> , 2015, 39, 156-164.	1.9	17
100	Biomechanical Responses of Thigh and Lower Leg During 10 Consecutive Soccer Instep Kicks. <i>Journal of Strength and Conditioning Research</i> , 2011, 25, 1177-1181.	2.1	16
101	Investigation of CPD and HMDS Sample Preparation Techniques for Cervical Cells in Developing Computer-Aided Screening System Based on FE-SEM/EDX. <i>Scientific World Journal, The</i> , 2014, 2014, 1-11.	2.1	16
102	Artificial neural network approach to estimate the composition of chemically synthesized biphasic calcium phosphate powders. <i>Ceramics International</i> , 2014, 40, 12439-12448.	4.8	16
103	Uniformly Porous Nanocrystalline CaMgFe <sub>1.33</sub> Ti <sub>3</sub> O <sub>12</sub> Ceramic Derived Electro-Ceramic Nanocomposite for Impedance Type Humidity Sensor. <i>Sensors</i> , 2016, 16, 2029.	3.8	16
104	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
105	The sequential mediation model of students' willingness to continue online learning during the COVID-19 pandemic. <i>Research and Practice in Technology Enhanced Learning</i> , 2022, 17, 13.	3.2	16
106	The metabolic dynamics of cartilage explants over a long-term culture period. <i>Clinics</i> , 2011, 66, 1431-1436.	1.5	15
107	Preliminary analysis of knee stress in Full Extension Landing. <i>Clinics</i> , 2013, 68, 1180-1188.	1.5	15
108	Poly(vinyl alcohol)-chitin composites reinforced by oil palm empty fruit bunch fiber-derived nanocellulose. <i>International Journal of Polymer Analysis and Characterization</i> , 2017, 22, 294-304.	1.9	15

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109	Piezoelectric Bimorphs™ Characteristics as In-Socket Sensors for Transfemoral Amputees. <i>Sensors</i> , 2014, 14, 23724-23741.	3.8	14
110	The Effects of Suction and Pin/Lock Suspension Systems on Transtibial Amputees™ Gait Performance. <i>PLoS ONE</i> , 2014, 9, e94520.	2.5	14
111	Design and biomechanical performance analysis of a user-friendly orthotic device. <i>Materials &amp; Design</i> , 2015, 65, 716-725.	5.1	14
112	Synthesis and characterization of $\beta$ -TCP/CNT nanocomposite: Morphology, microstructure and in vitro bioactivity. <i>Ceramics International</i> , 2017, 43, 7573-7580.	4.8	14
113	Combined effects of knee brace, laterally wedged insoles, and toe-out gait on knee adduction moment and fall risk in moderate medial knee osteoarthritis patients. <i>Prosthetics and Orthotics International</i> , 2019, 43, 148-157.	1.0	14
114	Kinematics Analysis: Number of Trials Necessary to Achieve Performance Stability during Soccer Instep Kicking. <i>Journal of Human Kinetics</i> , 2010, 23, 15-19.	1.5	13
115	Investigation to predict patellar tendon reflex using motion analysis technique. <i>Medical Engineering and Physics</i> , 2011, 33, 407-410.	1.7	13
116	Effect of Intra-Articular Hyaluronic Injection on Postural Stability and Risk of Fall in Patients with Bilateral Knee Osteoarthritis. <i>Scientific World Journal</i> , The, 2014, 2014, 1-6.	2.1	13
117	A system for detection of cervical precancerous in field emission scanning electron microscope images using texture features. <i>Journal of Innovative Optical Health Sciences</i> , 2017, 10, 1650045.	1.0	13
118	Armalcolite Nanocomposite: A New Paradigm for Flexible Capacitive Humidity Sensor. <i>IEEE Sensors Journal</i> , 2021, 21, 14685-14692.	4.7	13
119	A Robotic Model of Transfemoral Amputee Locomotion for Design Optimization of Knee Controllers. <i>International Journal of Advanced Robotic Systems</i> , 2013, 10, 161.	2.1	12
120	Prosthetics socket that incorporates an air splint system focusing on dynamic interface pressure. <i>BioMedical Engineering OnLine</i> , 2014, 13, 108.	2.7	12
121	Effect of Tricalcium Magnesium Silicate Coating on the Electrochemical and Biological Behavior of Ti-6Al-4V Alloys. <i>PLoS ONE</i> , 2015, 10, e0138454.	2.5	12
122	Cerebellum-inspired neural network solution of the inverse kinematics problem. <i>Biological Cybernetics</i> , 2015, 109, 561-574.	1.3	12
123	Characterization and Mechanical Properties of Calcium Silicate/Citric Acid-Based Polymer Composite Materials. <i>International Journal of Applied Ceramic Technology</i> , 2015, 12, 371-376.	2.1	12
124	Design and development of an in situ synthesized layered double hydroxide structure of Fe-induced hydroxyapatite for drug carriers. <i>RSC Advances</i> , 2016, 6, 25549-25561.	3.6	12
125	Development of biocompatible hydroxyapatite-poly(ethylene glycol) core-shell nanoparticles as an improved drug carrier: structural and electrical characterizations. <i>RSC Advances</i> , 2016, 6, 102853-102868.	3.6	12
126	A comparison of pressure distributions between two types of sockets in a bulbous stump. <i>Prosthetics and Orthotics International</i> , 2016, 40, 509-516.	1.0	12



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127	The classification of skateboarding tricks <i>via</i> transfer learning pipelines. PeerJ Computer Science, 2021, 7, e680.	4.5	12
128	Rapid prototyping models for dysplastic hip surgeries in Malaysia. European Journal of Orthopaedic Surgery and Traumatology, 2012, 22, 41-46.	1.4	11
129	Influence of Functional Knee Bracing on the Isokinetic and Functional Tests of Anterior Cruciate Ligament Deficient Patients. PLoS ONE, 2013, 8, e64308.	2.5	11
130	Nature and Pattern of Cricket Injuries: The Asian Cricket Council Under-19, Elite Cup, 2013. PLoS ONE, 2014, 9, e100028.	2.5	11
131	New method for the isolation of endothelial cells from large vessels. Cytotherapy, 2014, 16, 1145-1152.	0.7	11
132	Analysis of Jumping-Landing Manoeuvres after Different Speed Performances in Soccer Players. PLoS ONE, 2015, 10, e0143323.	2.5	11
133	Automated cervical precancerous cells screening system based on Fourier transform infrared spectroscopy features. Journal of Biomedical Optics, 2016, 21, 075005.	2.6	11
134	Optical fiber Bragg grating-instrumented silicone liner for interface pressure measurement within prosthetic sockets of lower-limb amputees. Journal of Biomedical Optics, 2017, 22, 1.	2.6	11
135	BIOMECHANICAL EVALUATION ON GAIT PATTERN OF PREGNANT SUBJECTS. Journal of Mechanics in Medicine and Biology, 2002, 02, 99-116.	0.7	10
136	Biomechanical Responds of Instep Kick between Different Positions in Professional Soccer Players. Journal of Human Kinetics, 2009, 22, 21-27.	1.5	10
137	Electromyography Assessments of the Vastus Medialis Muscle during Soccer Instep Kicking between Dynamic and Static Stretching. Journal of Human Kinetics, 2010, 24, 35-42.	1.5	10
138	Development and Evaluation of New Coupling System for Lower Limb Prostheses with Acoustic Alarm System. Scientific Reports, 2013, 3, 2270.	3.3	10
139	Combined effects of knee brace, laterally wedged insoles and toe-in gait on knee adduction moment and balance in moderate medial knee osteoarthritis patients. Gait and Posture, 2018, 61, 243-249.	1.4	10
140	Improvement on upper limb body-powered prostheses (1921â€“2016): A systematic review. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2018, 232, 3-11.	1.8	10
141	Comparative study of the circumferential and volumetric analysis between conventional casting and three-dimensional scanning methods for transtibial socket: A preliminary study. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2019, 233, 181-192.	1.8	10
142	Gait Classification Using Mahalanobisâ€™Taguchi System for Health Monitoring Systems Following Anterior Cruciate Ligament Reconstruction. Applied Sciences (Switzerland), 2019, 9, 3306.	2.5	10
143	Kinematic comparison of the wrist movements that are possible with a biomechatronics wrist prosthesis and a body-powered prosthesis: a preliminary study. Disability and Rehabilitation: Assistive Technology, 2013, 8, 255-260.	2.2	9
144	Evaluation of Copper Concentration in Subclinical Cases of White Muscle Disease and Its Relationship with Cardiac Troponin I. PLoS ONE, 2013, 8, e56163.	2.5	9

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145	Mechanical behavior of calcium sulfate scaffold prototypes built by solid free-form fabrication. Rapid Prototyping Journal, 2018, 24, 1392-1400.	3.2	9
146	Comparison of Conventional and Virtual Reality Box and Blocks Tests in Upper Limb Amputees: A Case-Control Study. IEEE Access, 2021, 9, 76983-76990.	4.2	9
147	Mechanochemical Synthesis and Characterization of Silver (Ag<sup>+</sup>) and Tantalum (Ta<sup>5+</sup>)<sup>-</sup> Doped Calcium Silicate Nanopowders. Science of Advanced Materials, 2015, 7, 2664-2671.	0.7	9
148	ANTHROPOMETRIC AND STRENGTH CHARACTERISTICS OF TENPIN BOWLERS WITH DIFFERENT PLAYING ABILITIES. Biology of Sport, 2012, 29, 33-38.	3.2	9
149	Comparative Study between Dermo, Pelite, and Seal-In X5 Liners: Effect on Patient's Satisfaction and Perceived Problems. Scientific World Journal, The, 2014, 2014, 1-8.	2.1	8
150	Development and performance of a new prosthesis system using ultrasonic sensor for wrist movements: a preliminary study. BioMedical Engineering OnLine, 2014, 13, 49.	2.7	8
151	Parametric study of radial functionally graded femoral prostheses with different geometries. Meccanica, 2015, 50, 1657-1678.	2.0	8
152	Comparison study of the prosthetics interface pressure profile of air splint socket and ICRC polypropylene socket for upper limb prosthetics. Biocybernetics and Biomedical Engineering, 2015, 35, 100-105.	5.9	8
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154	Classification and Comparison of Mechanical Design of Powered Ankle-Foot Prostheses for Transtibial Amputees Developed in the 21st Century: A Systematic Review. Journal of Medical Devices, Transactions of the ASME, 2021, 15, .	0.7	8
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