

Redha Taiar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2503521/publications.pdf>

Version: 2024-02-01

221
papers

46,918
citations

136740

32
h-index

2675

193
g-index

275
all docs

275
docs citations

275
times ranked

60391
citing authors

#	ARTICLE	IF	CITATIONS
1	The Cochrane Collaboration's tool for assessing risk of bias in randomised trials. <i>BMJ: British Medical Journal</i> , 2011, 343, d5928-d5928.	2.4	23,287
2	The PRISMA statement for reporting systematic reviews and meta-analyses of studies that evaluate healthcare interventions: explanation and elaboration. <i>BMJ: British Medical Journal</i> , 2009, 339, b2700-b2700.	2.4	13,452
3	Reliability of the PEDro Scale for Rating Quality of Randomized Controlled Trials. <i>Physical Therapy</i> , 2003, 83, 713-721.	1.1	3,431
4	The PEDro scale is a valid measure of the methodological quality of clinical trials: a demographic study. <i>Australian Journal of Physiotherapy</i> , 2009, 55, 129-133.	0.9	1,392
5	The contribution of chronic kidney disease to the global burden of major noncommunicable diseases. <i>Kidney International</i> , 2011, 80, 1258-1270.	2.6	1,105
6	Vibration as an exercise modality: how it may work, and what its potential might be. <i>European Journal of Applied Physiology</i> , 2010, 108, 877-904.	1.2	629
7	<p>Grip Strength: An Indispensable Biomarker For Older Adults</p>. <i>Clinical Interventions in Aging</i> , 2019, Volume 14, 1681-1691.	1.3	407
8	Extending an evidence hierarchy to include topics other than treatment: revising the Australian 'levels of evidence'. <i>BMC Medical Research Methodology</i> , 2009, 9, 34.	1.4	333
9	Levels and Changes of Physical Activity in Adolescents during the COVID-19 Pandemic: Contextualizing Urban vs. Rural Living Environment. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3997.	1.3	123
10	A Comparison of the Physiologic Effects of Acute Whole-Body Vibration Exercise in Young and Older People. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008, 89, 815-821.	0.5	80
11	Effect of whole-body vibration on neuromuscular performance: A literature review. <i>Work</i> , 2018, 59, 571-583.	0.6	75
12	â€œExercise as medicineâ€•in chronic kidney disease. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2016, 26, 985-988.	1.3	73
13	Neural Decoding of EEG Signals with Machine Learning: A Systematic Review. <i>Brain Sciences</i> , 2021, 11, 1525.	1.1	68
14	A System Dynamics Simulation Applied to Healthcare: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5741.	1.2	67
15	Reporting Guidelines for Whole-Body Vibration Studies in Humans, Animals and Cell Cultures: A Consensus Statement from an International Group of Experts. <i>Biology</i> , 2021, 10, 965.	1.3	62
16	RELIABILITY AND VALIDITY OF AN ACCELEROMETRIC SYSTEM FOR ASSESSING VERTICAL JUMPING PERFORMANCE. <i>Biology of Sport</i> , 2014, 31, 55-62.	1.7	60
17	Analysis of the effect of swimmer's head position on swimming performance using computational fluid dynamics. <i>Journal of Biomechanics</i> , 2008, 41, 1350-1358.	0.9	57
18	Efeitos negativos da insuficiÃªncia renal crÃ¢nica sobre a funÃ§Ã£o pulmonar e a capacidade funcional. <i>Brazilian Journal of Physical Therapy</i> , 2010, 14, 91-98.	1.1	53

#	ARTICLE	IF	CITATIONS
19	Wearing lead aprons in surgical operating rooms: ergonomic injuries evidenced by infrared thermography. <i>Journal of Surgical Research</i> , 2017, 209, 227-233.	0.8	48
20	Relevance of Whole-Body Vibration Exercises on Muscle Strength/Power and Bone of Elderly Individuals. <i>Dose-Response</i> , 2018, 16, 155932581881306.	0.7	48
21	Analysis of swimmers's velocity during the underwater gliding motion following grab start. <i>Journal of Biomechanics</i> , 2009, 42, 1367-1370.	0.9	46
22	Turbulence model choice for the calculation of drag forces when using the CFD method. <i>Journal of Biomechanics</i> , 2010, 43, 405-411.	0.9	44
23	Self-Management Interventions in Stages 1 to 4 Chronic Kidney Disease. <i>Western Journal of Nursing Research</i> , 2015, 37, 652-678.	0.6	44
24	Inspiratory muscle training improves respiratory muscle strength, functional capacity and quality of life in patients with chronic kidney disease: a systematic review. <i>Journal of Physiotherapy</i> , 2017, 63, 76-83.	0.7	44
25	Towards reporting guidelines of research using whole-body vibration as training or treatment regimen in human subjects—a Delphi consensus study. <i>PLoS ONE</i> , 2020, 15, e0235905.	1.1	43
26	Log Transform Based Optimal Image Enhancement Using Firefly Algorithm for Autonomous Mini Unmanned Aerial Vehicle: An Application of Aerial Photography. <i>International Journal of Image and Graphics</i> , 2018, 18, 1850019.	1.2	42
27	Reported quality of life in countries with cases of COVID19: a systematic review. <i>Expert Review of Respiratory Medicine</i> , 2021, 15, 213-220.	1.0	42
28	High-Intensity Running and Plantar-Flexor Fatigability and Plantar-Pressure Distribution in Adolescent Runners. <i>Journal of Athletic Training</i> , 2015, 50, 117-125.	0.9	40
29	A Disaster Management Specific Mobility Model for Flying Ad-hoc Network. <i>International Journal of Rough Sets and Data Analysis</i> , 2016, 3, 72-103.	1.0	40
30	Bone-to-Brain: A Round Trip in the Adaptation to Mechanical Stimuli. <i>Frontiers in Physiology</i> , 2021, 12, 623893.	1.3	40
31	A pilot study to investigate the combined use of Botulinum toxin type-a and ankle foot orthosis for the treatment of spastic foot in chronic hemiplegic patients. <i>Clinical Biomechanics</i> , 2011, 26, 867-872.	0.5	39
32	Skeletal muscle fibrosis is associated with decreased muscle inflammation and weakness in patients with chronic kidney disease. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F1658-F1669.	1.3	38
33	Numerical investigation of the early flight phase in ski-jumping. <i>Journal of Biomechanics</i> , 2017, 59, 29-34.	0.9	35
34	Aerodynamic study of time-trial helmets in cycling racing using CFD analysis. <i>Journal of Biomechanics</i> , 2018, 67, 1-8.	0.9	35
35	Oscillatory whole-body vibration improves exercise capacity and physical performance in pulmonary arterial hypertension: a randomised clinical study. <i>Heart</i> , 2017, 103, 592-598.	1.2	34
36	Acute Effects of Whole-Body Vibration on the Pain Level, Flexibility, and Cardiovascular Responses in Individuals With Metabolic Syndrome. <i>Dose-Response</i> , 2018, 16, 155932581880213.	0.7	34

#	ARTICLE	IF	CITATIONS
37	Whole-body vibration improves the functional parameters of individuals with metabolic syndrome: an exploratory study. <i>BMC Endocrine Disorders</i> , 2019, 19, 6.	0.9	34
38	Comparison of plantar pressure distribution in adolescent runners at low vs. high running velocity. <i>Gait and Posture</i> , 2012, 35, 685-687.	0.6	33
39	Attitudes to knee osteoarthritis and total knee replacement in Arab women: a qualitative study. <i>BMC Research Notes</i> , 2013, 6, 406.	0.6	33
40	When should we change our clinical practice based on the results of a clinical study? Searching for evidence: PICOS and PubMed. <i>Internal and Emergency Medicine</i> , 2015, 10, 525-527.	1.0	33
41	COVID-19 Lockdown and the Behavior Change on Physical Exercise, Pain and Psychological Well-Being: An International Multicentric Study. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3810.	1.2	33
42	Whole-body vibration improves functional capacity and quality of life in patients with severe chronic obstructive pulmonary disease (COPD): a pilot study. <i>International Journal of COPD</i> , 2015, 10, 125.	0.9	31
43	Effect of whole body cryotherapy interventions on health-related quality of life in fibromyalgia patients: A randomized controlled trial. <i>Complementary Therapies in Medicine</i> , 2018, 36, 6-8.	1.3	31
44	Potential Application of Whole Body Vibration Exercise for Improving the Clinical Conditions of COVID-19 Infected Individuals: A Narrative Review from the World Association of Vibration Exercise Experts (WAVex) Panel. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3650.	1.2	30
45	Medical Infrared Thermography assistance in the surgical treatment of axillary Hidradenitis Suppurativa: A case report. <i>International Journal of Surgery Case Reports</i> , 2017, 34, 56-59.	0.2	28
46	Vestibular rehabilitation therapy. <i>Neurophysiologie Clinique</i> , 2008, 38, 479-487.	1.0	27
47	Assessing safety at work using an adaptive neuro-fuzzy inference system (ANFIS) approach aided by partial least squares structural equation modeling (PLS-SEM). <i>International Journal of Industrial Ergonomics</i> , 2020, 76, 102925.	1.5	27
48	The early radiological follow-up of a medial rotational design of total knee arthroplasty. <i>Knee</i> , 2008, 15, 222-226.	0.8	25
49	In Patients with Established RA, Positive Effects of a Randomised Three Month WBV Therapy Intervention on Functional Ability, Bone Mineral Density and Fatigue Are Sustained for up to Six Months. <i>PLoS ONE</i> , 2016, 11, e0153470.	1.1	24
50	The effects of whole body vibration exercise intervention on electroencephalogram activation and cognitive function in women with senile dementia. <i>Journal of Exercise Rehabilitation</i> , 2018, 14, 586-591.	0.4	24
51	Skin-friction drag analysis from the forced convection modeling in simplified underwater swimming. <i>Journal of Biomechanics</i> , 2006, 39, 2535-2541.	0.9	22
52	Evaluation of the temperature of posterior lower limbs skin during the whole body vibration measured by infrared thermography: Cross-sectional study analysis using linear mixed effect model. <i>PLoS ONE</i> , 2019, 14, e0212512.	1.1	20
53	A Proposal of Physical Performance Tests Adapted as Home Workout Options during the COVID-19 Pandemic. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4755.	1.3	20
54	Predicting the Dynamics of the COVID-19 Pandemic in the United States Using Graph Theory-Based Neural Networks. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3834.	1.2	20

#	ARTICLE	IF	CITATIONS
55	Construction of a Quality of Life Questionnaire for slowly progressive neuromuscular disease. <i>Quality of Life Research</i> , 2015, 24, 2615-2623.	1.5	19
56	Should whole body cryotherapy sessions be differentiated between women and men? A preliminary study on the role of the body thermal resistance. <i>Medical Hypotheses</i> , 2018, 120, 60-64.	0.8	19
57	Hydrodynamics optimization in butterfly swimming: position, drag coefficient and performance. <i>Journal of Biomechanics</i> , 1999, 32, 803-810.	0.9	18
58	Infrared Thermography in Sports Activity. , 0, , .		17
59	Theoretical modeling of time-dependent skin temperature and heat losses during whole-body cryotherapy: A pilot study. <i>Medical Hypotheses</i> , 2016, 96, 11-15.	0.8	17
60	Physiological demands and nutritional considerations for Olympic-style competitive rock climbing. <i>Cogent Medicine</i> , 2019, 6, 1667199.	0.7	17
61	The Chaotic Behavior of the Spread of Infection During the COVID-19 Pandemic in the United States and Globally. <i>IEEE Access</i> , 2021, 9, 80692-80702.	2.6	17
62	A Disaster Management Specific Mobility Model for Flying Ad-Hoc Network. , 2019, , 279-311.		17
63	Foot, Ankle, and Lower Leg Injuries in Young Male Track and Field Athletes. <i>International Journal of Athletic Therapy and Training</i> , 2011, 16, 19-23.	0.1	16
64	Influence of a postural change of the swimmer's head in hydrodynamic performances using 3D CFD. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2014, 17, 344-351.	0.9	16
65	The Efficacy of Low-intensity Vibration to Improve Bone Health in Patients with End-stage Renal Disease Is Highly Dependent on Compliance and Muscle Response. <i>Academic Radiology</i> , 2017, 24, 1332-1342.	1.3	16
66	Feasibility and tolerability of whole-body, low-intensity vibration and its effects on muscle function and bone in patients with dystrophinopathies: a pilot study. <i>Muscle and Nerve</i> , 2017, 55, 875-883.	1.0	16
67	Acute Effects of Whole-Body Vibration Training on Endothelial Function and Cardiovascular Response in Elderly Patients with Cardiovascular Disease. <i>International Heart Journal</i> , 2019, 60, 854-861.	0.5	16
68	Whole body vibration improves maximum voluntary isometric contraction of knee extensors in patients with chronic kidney disease: A randomized controlled trial. <i>Physiotherapy Theory and Practice</i> , 2019, 35, 409-418.	0.6	16
69	Brain Network Oscillations During Gait in Parkinson's Disease. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 568703.	1.0	16
70	Do whole body vibration exercises affect lower limbs neuromuscular activity in populations with a medical condition? A systematic review. <i>Restorative Neurology and Neuroscience</i> , 2017, 35, 667-681.	0.4	15
71	A Study of the Effects of the COVID-19 Pandemic on the Experience of Back Pain Reported on Twitter® in the United States: A Natural Language Processing Approach. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4543.	1.2	15
72	Differences between sprint tests under laboratory and actual cycling conditions. <i>Journal of Sports Medicine and Physical Fitness</i> , 2005, 45, 277-83.	0.4	15

#	ARTICLE	IF	CITATIONS
73	Combining Magnetic Resonance Imaging (MRI) and Medical Infrared Thermography (MIT) in the pre- and peri-operating management of severe Hidradenitis Suppurativa (HS). Photodiagnosis and Photodynamic Therapy, 2018, 23, 9-11.	1.3	14
74	Infrared thermography for assessing skin temperature differences between Partial Body Cryotherapy and Whole Body Cryotherapy devices at $\sim 140^{\circ}\text{C}$. Infrared Physics and Technology, 2018, 93, 158-161.	1.3	14
75	Upper-limb motion and drop jump: effect of expertise. Journal of Sports Medicine and Physical Fitness, 2006, 46, 238-47.	0.4	14
76	Acute effects of whole body vibration on heart rate variability in elderly people. Journal of Bodywork and Movement Therapies, 2018, 22, 618-621.	0.5	13
77	Integrative Neuromuscular Training in Young Athletes, Injury Prevention, and Performance Optimization: A Systematic Review. Applied Sciences (Switzerland), 2019, 9, 3839.	1.3	13
78	The influence of swimming type on the skin-temperature maps of a competitive swimmer from infrared thermography. Acta of Bioengineering and Biomechanics, 2007, 9, 47-51.	0.2	13
79	Application of Infrared Thermography as a Diagnostic Tool of Knee Osteoarthritis. Journal of Thermal Science and Technology, 2012, 7, 227-235.	0.6	12
80	The utility of whole body vibration exercise in haemodialysis patients: a pilot study. CKJ: Clinical Kidney Journal, 2017, 10, 822-829.	1.4	12
81	Functional tests associated with sarcopenia in moderate chronic obstructive pulmonary disease. Expert Review of Respiratory Medicine, 2021, 15, 569-576.	1.0	12
82	Aerodynamic investigation of the inrun position in Ski jumping. Sports Biomechanics, 2021, , 1-15.	0.8	12
83	Effect of whole-body vibration exercise in the pelvic floor muscles of healthy and unhealthy individuals: a narrative review. Translational Andrology and Urology, 2019, 8, 395-404.	0.6	11
84	Whole body vibration showed beneficial effect on pain, balance measures and quality of life in painful diabetic peripheral neuropathy: a randomized controlled trial. Journal of Diabetes and Metabolic Disorders, 2020, 19, 61-69.	0.8	11
85	Whole-Body Vibration for Individuals with Reconstructed Anterior Cruciate Ligament: A Systematic Review. BioMed Research International, 2020, 2020, 1-14.	0.9	11
86	Long jump training emphasizing plyometric exercises is more effective than traditional long jump training: A randomized controlled trial. Journal of Human Sport and Exercise, 2019, 14, .	0.2	11
87	Impact of resistance training on the 6-minute walk test in individuals with chronic obstructive pulmonary disease: A systematic review and meta-analysis. Annals of Physical and Rehabilitation Medicine, 2022, 65, 101582.	1.1	10
88	Multi-thread video watermarking: A biomedical application. , 2014, , .		9
89	Vibrating Platform Training Improves Respiratory Muscle Strength, Quality of Life, and Inspiratory Capacity in the Elderly Adults: A Randomized Controlled Trial. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 72, glw123.	1.7	9
90	Effects of hypnosis during pregnancy: A psychophysiological study on maternal stress. Medical Hypotheses, 2017, 102, 123-127.	0.8	9

#	ARTICLE	IF	CITATIONS
91	Clinical Approaches of Whole-Body Vibration Exercises in Individuals with Stroke: A Narrative Revision. <i>Rehabilitation Research and Practice</i> , 2018, 2018, 1-8.	0.5	9
92	Acute and Cumulative Effects With Whole-Body Vibration Exercises Using 2 Biomechanical Conditions on the Flexibility and Rating of Perceived Exertion in Individuals With Metabolic Syndrome: A Randomized Clinical Trial Pilot Study. <i>Dose-Response</i> , 2019, 17, 155932581988649.	0.7	9
93	Parameter-Dependency of Low-Intensity Vibration for Wound Healing in Diabetic Mice. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 654920.	2.0	9
94	Are oxidative stress biomarkers and respiratory muscles strength associated with COPD-related sarcopenia in older adults?. <i>Experimental Gerontology</i> , 2022, 157, 111630.	1.2	9
95	Preliminary numerical investigation in open currents-water swimming: Pressure field in the swimmer wake. <i>Applied Mathematics and Computation</i> , 2017, 302, 48-57.	1.4	8
96	Identification and Prediction of Human Behavior through Mining of Unstructured Textual Data. <i>Symmetry</i> , 2020, 12, 1902.	1.1	8
97	Can a Single Trial of a Thoracolumbar Myofascial Release Technique Reduce Pain and Disability in Chronic Low Back Pain? A Randomized Balanced Crossover Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 2006.	1.0	8
98	Whole body vibration to attenuate reduction of explosive force in chronic kidney disease patients: a randomized controlled trial. <i>Journal of Exercise Rehabilitation</i> , 2018, 14, 883-890.	0.4	8
99	Neural Correlates of Knee Extension and Flexion Force Control: A Kinetically-Instrumented Neuroimaging Study. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 622637.	1.0	7
100	Whole Body Vibrations. , 0, , .		7
101	How does aerodynamics influence physiological responses in middle-distance running drafting?. <i>Mathematical Modelling of Engineering Problems</i> , 2019, 6, 129-135.	0.3	7
102	Evaluation of the Relationships between Simple Anthropometric Measures and Bioelectrical Impedance Assessment Variables with Multivariate Linear Regression Models to Estimate Body Composition and Fat Distribution in Adults: Preliminary Results. <i>Biology</i> , 2021, 10, 1209.	1.3	7
103	Biological Consequences of Exposure to Mechanical Vibration. <i>Dose-Response</i> , 2018, 16, 155932581879961.	0.7	6
104	Female nurses: Professional identity in question how female nurses perceive their professional identity through their relationships with physicians? <i>Cogent Medicine</i> , 2019, 6, 1666626.	0.7	6
105	Effects of Whole-Body Vibration Exercises on Parameters Related to the Sleep Quality in Metabolic Syndrome Individuals: A Clinical Trial Study. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 5183.	1.3	6
106	Enabling collaboration and building trust among health science students attending an interprofessional educational project. <i>Cogent Medicine</i> , 2019, 6, 1669401.	0.7	6
107	Acute Effects of Whole-Body Vibration Alone or in Combination With Maximal Voluntary Contractions on Cardiorespiratory, Musculoskeletal, and Neuromotor Fitness in Obese Male Adolescents. <i>Dose-Response</i> , 2019, 17, 155932581989049.	0.7	6
108	Does whole body vibration training improve heart rate variability in kidney transplants patients? A randomized clinical trial. <i>Journal of Bodywork and Movement Therapies</i> , 2020, 24, 50-56.	0.5	6

#	ARTICLE	IF	CITATIONS
109	Aerobic Exercise with Superimposed Virtual Reality Improves Cognitive Flexibility and Selective Attention in Young Males. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8029.	1.3	6
110	Can whole body vibration exercises promote improvement on quality of life and on chronic pain level of metabolic syndrome patients? A pseudorandomized crossover study. <i>Journal of Applied Physiology</i> , 2020, 128, 934-940.	1.2	6
111	Whole-Body Vibration Exercise in Different Postures on Handgrip Strength in Healthy Women: A Cross-Over Study. <i>Frontiers in Physiology</i> , 2020, 11, 469499.	1.3	6
112	Biomechanics of Trail Running Performance: Quantification of Spatio-Temporal Parameters by Using Low Cost Sensors in Ecological Conditions. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2093.	1.3	6
113	Electroencephalography as a Biomarker for Functional Recovery in Spinal Cord Injury Patients. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 548558.	1.0	6
114	Whole-Body Vibration Exercise: A Possible Intervention in the Management of Post COVID-19 Complications?. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5733.	1.3	6
115	Efficacy of Whole-Body Vibration Training on Brain-Derived Neurotrophic Factor, Clinical and Functional Outcomes, and Quality of Life in Women with Fibromyalgia Syndrome: A Randomized Controlled Trial. <i>Journal of Healthcare Engineering</i> , 2021, 2021, 1-9.	1.1	6
116	The COVID-19 Infection Diffusion in the US and Japan: A Graph-Theoretical Approach. <i>Biology</i> , 2022, 11, 125.	1.3	6
117	Oxidative Stress Biomarkers and Quality of Life Are Contributing Factors of Muscle Pain and Lean Body Mass in Patients with Fibromyalgia. <i>Biology</i> , 2022, 11, 935.	1.3	6
118	Characteristics of COVID-19 Inpatients in Rehabilitation Units during the First Pandemic Wave: A Cohort Study from a Large Hospital in Champagne Region. <i>Biology</i> , 2022, 11, 937.	1.3	6
119	Motion vector estimation using parallel processing. , 2014, , .		5
120	Infrared thermography applied to the study of the thermal behavior of wheelchair cushion. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2017, 20, 151-152.	0.9	5
121	Analysis of the relationship between patientsâ€™ fear of falling and prescriber acceptance of community pharmacistsâ€™ recommendations. <i>Cogent Medicine</i> , 2019, 6, 1615719.	0.7	5
122	Ankle Push-Off Based Mathematical Model for Freezing of Gait in Parkinson's Disease. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 552635.	2.0	5
123	Aquatic Training after Joint Immobilization in Rats Promotes Adaptations in Myotendinous Junctions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6983.	1.8	5
124	The Consequences of Mechanical Vibration Exposure on the Lower Back of Bus Drivers: A Systematic Review. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9986.	1.3	5
125	The Impact of Resistance Training on Gene Expression of IGF1 and Athletesâ€™ Physiological Parameters. <i>Open Access Macedonian Journal of Medical Sciences</i> , 2021, 9, 934-940.	0.1	5
126	Surface flow visualization around competitive swimmers by Tufts Method. <i>Journal of Visualization</i> , 2008, 11, 187-188.	1.1	4

#	ARTICLE	IF	CITATIONS
127	Diurnal changes in postural control in normal children: Computerized static and dynamic assessments. Burns and Trauma, 2014, 2, 130.	0.7	4
128	Muscle activity in throwing with the dominant and non-dominant arm. Cogent Medicine, 2019, 6, 1678221.	0.7	4
129	Evaluation of Whole-Body Vibration Exercise on Neuromuscular Activation Through Electromyographic Pattern of Vastus Lateralis Muscle and on Range of Motion of Knees in Metabolic Syndrome: A Quasi-Randomized Cross-Over Controlled Trial. Applied Sciences (Switzerland), 2019, 9, 4997.	1.3	4
130	Modelling the apparent mass of the standing human body under whole-body vibration training conditions. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2020, 234, 697-710.	1.0	4
131	Effect of the Combined Intervention with Passive Whole-Body Vibration and Auriculotherapy on the Quality of Life of Individuals with Knee Osteoarthritis Assessed by the WHOQOL-Bref: A Multi-Arm Clinical Trial. Applied Sciences (Switzerland), 2020, 10, 1956.	1.3	4
132	Biological Effects of Paullinia cupana (Guarana) in Combination with Whole-Body Vibration Exercise in Wistar Rats. Applied Sciences (Switzerland), 2020, 10, 1104.	1.3	4
133	Acute Whole-Body Vibration Exercise Promotes Favorable Handgrip Neuromuscular Modifications in Rheumatoid Arthritis: A Cross-Over Randomized Clinical. BioMed Research International, 2021, 2021, 1-10.	0.9	4
134	Numerical Streamline Patterns at Swimmer's Surface Using RANS Equations. Journal of Applied Biomechanics, 2012, 28, 279-283.	0.3	3
135	Validity of an accelerometric system for measuring force-time-based data during jumping tasks. Computer Methods in Biomechanics and Biomedical Engineering, 2013, 16, 84-85.	0.9	3
136	Comparison of FAP scores with the use of safety footwear and regular walking shoes. Theoretical Issues in Ergonomics Science, 2017, 18, 631-642.	1.0	3
137	A numerical model of the tension band wiring technique for olecranon fracture reduction. Applied Mathematics and Computation, 2017, 297, 31-38.	1.4	3
138	Influence of Different Types of Wheelchair Cushions for Pressure Ulcers in View of the Experimental Approach. , 2017, , .		3
139	The Prevention of Pressure Ulcers: Biomechanical Modelization and Simulation of Human Seat Cushion Contributions. Lecture Notes in Mechanical Engineering, 2018, , 1157-1170.	0.3	3
140	Effects of the Whole-Body Vibration and Auriculotherapy on the Functionality of Knee Osteoarthritis Individuals. Applied Sciences (Switzerland), 2019, 9, 5194.	1.3	3
141	Is whole body vibration an alternative physical training method for renal transplant recipients?. Physiotherapy Research International, 2020, 25, e1838.	0.7	3
142	Patient-specific simulation of a gallbladder refilling based on MRI and ultrasound in vivo measurements. AIP Conference Proceedings, 2020, , .	0.3	3
143	Immediate Effect of Whole-Body Vibration on Skin Temperature and Lower-Limb Blood Flow in Older Adults with Type 2 Diabetes: Pilot Study. Applied Sciences (Switzerland), 2020, 10, 690.	1.3	3
144	Effects of whole-body vibration on muscle strength, quadriceps muscle thickness and functional capacity in kidney transplant recipients: A randomized controlled trial. Journal of Bodywork and Movement Therapies, 2021, 26, 101-107.	0.5	3

#	ARTICLE	IF	CITATIONS
145	Whole-Body Vibration Approaches in Neurological Disorders. , 0, , .		3
146	Connectomics of Bone to Brain—Probing Physical Renderings of Cellular Experience. <i>Frontiers in Physiology</i> , 2021, 12, 647603.	1.3	3
147	Preliminary Results on the Assessment of Temperature Distribution on Hands After Typing on Ergonomic and Non-ergonomic Postures. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 586-591.	0.5	3
148	Towards an AI-Based Tailored Training Planning for Road Cyclists: A Case Study. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 313.	1.3	3
149	Acute Neuromuscular Responses to Whole-Body Vibration of Systemic Lupus Erythematosus Individuals: A Randomized Pilot Study. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 138.	1.3	3
150	Effect of Customized Insoles on Gait in Post-Stroke Hemiparetic Individuals: A Randomized Controlled Trial. <i>Biology</i> , 2021, 10, 1187.	1.3	3
151	Immediate Effects of Whole-Body Vibration Associated with Squatting Exercises on Hemodynamic Parameters in Sarcopenic Older People: A Randomized Controlled Trial. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 11852.	1.2	3
152	The effects of whole-body vibration on cognition: a systematic review. <i>Journal of Human Growth and Development</i> , 2022, 32, 108-119.	0.2	3
153	Editorial: Post-Exercise Hypotension: Clinical Applications and Potential Mechanisms. <i>Frontiers in Physiology</i> , 2022, 13, 899497.	1.3	3
154	Vibration Therapy for Health Promotion. , 0, , .		3
155	Influence of load on the arrangement of hydroxyapatite crystallites at the interface with implants in different animals. <i>Journal of Neutron Research</i> , 2007, 15, 243-248.	0.4	2
156	Visualizations of the flow around a swimmer in turbulent regime. <i>Journal of Visualization</i> , 2011, 14, 3-4.	1.1	2
157	Modélisation par éléments finis du comportement du disque articulaire de l'ATM. <i>International Orthodontics</i> , 2012, 10, 66-84.	0.6	2
158	Modélisation mathématique de la réponse thermique cutanée en cryothérapie corps entier (CCE): une étude pilote. <i>Kinesithérapie</i> , 2017, 17, 11-17.	0.0	2
159	Clinical Approaches of Whole Body Vibration Exercises. <i>Rehabilitation Research and Practice</i> , 2018, 2018, 1-2.	0.5	2
160	Can a new ergonomical ankle-foot orthosis (AFO) device improve patients' daily life? A preliminary study. <i>Theoretical Issues in Ergonomics Science</i> , 2019, 20, 763-772.	1.0	2
161	Editorial: Interventional Strategies for Enhancing Quality of Life and Health Span in Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 253.	1.7	2
162	Whole-Body Vibration as Antihypertensive Non-Pharmacological Treatment in Hypertensive Individuals with Knee Osteoarthritis: Randomized Cross-Over Trial. <i>Sustainability</i> , 2020, 12, 8944.	1.6	2

#	ARTICLE	IF	CITATIONS
163	Editorial "Biomechanical Spectrum of Human Sport Performance" Applied Sciences (Switzerland), 2020, 10, 1898.	1.3	2
164	Introductory Chapter: Neurological Disorders - Therapy Approaches. , 0, , .		2
165	Contribution of Bamboo for Vibratory Comfort in Biomechanics of Cycling. The Open Mechanical Engineering Journal, 2017, 11, 44-54.	0.3	2
166	Effects of Unstable Footwear on Stance Pattern. Journal of Biosciences and Medicines, 2014, 02, 20-24.	0.1	2
167	Editorial: The Relationship Between Neural Circuitry and Biomechanical Action. Frontiers in Human Neuroscience, 2022, 16, 838028.	1.0	2
168	Effectiveness of Whole-Body Vibration Combined with Multicomponent Training on the Risk of Falls and Quality of Life in Elderly Women with Osteoporosis: Study Protocol for a Randomized Controlled Clinical Trial. Biology, 2022, 11, 266.	1.3	2
169	Impact of multi-task on symptomatic patient affected by chronic vestibular disorders. Acta of Bioengineering and Biomechanics, 2016, 18, 123-129.	0.2	2
170	Determining factors of functioning in hemodialysis patients using the international classification of functioning, disability and health. BMC Nephrology, 2022, 23, 119.	0.8	2
171	Face Masks Use to Avoid Airborne Contamination during COVID-19 Pandemic and Related Conditions: A Systematic Review. Iranian Journal of Public Health, 0, , .	0.3	2
172	A Tactical Aircraft Landing Aid. IEEE Transactions on Aerospace and Electronic Systems, 1966, AES-2, 679-684.	2.6	1
173	Correspondence. Journal of Biomechanics, 2000, 33, 507-508.	0.9	1
174	Finite element modeling of TMJ joint disc behavior. International Orthodontics, 2012, 10, 66-84.	0.6	1
175	Influence of fatigue on running biomechanics in adolescent athletes. Annals of Physical and Rehabilitation Medicine, 2013, 56, e212.	1.1	1
176	Infrared thermograms: Orthopedic diagnostics support. Annals of Physical and Rehabilitation Medicine, 2013, 56, e285.	1.1	1
177	A Comparative Study on Organizational Stress in South Asian Cultures. Procedia Manufacturing, 2015, 3, 3963-3970.	1.9	1
178	Analysis of the effect of helmet shape and head position on performance during time-trial cycling. Computer Methods in Biomechanics and Biomedical Engineering, 2017, 20, S11-S12.	0.9	1
179	Effects of Coriandrum sativum L. in Association with Physical Exercise in Alloxan-Induced Type 1 Diabetes Mellitus in Rats. Applied Sciences (Switzerland), 2019, 9, 5409.	1.3	1
180	The Evaluation of the Interaction Between Human Buttocks Thighs and Wheelchair Seat Cushion to Prevent Pressure Ulcers Using Finite Element Analysis. Advances in Intelligent Systems and Computing, 2019, , 904-910.	0.5	1

#	ARTICLE	IF	CITATIONS
181	Acute Effects of Whole-Body Vibration Exercise on Pain Level, Functionality, and Rating of Exertion of Elderly Obese Knee Osteoarthritis Individuals: A Randomized Study. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5870.	1.3	1
182	Effect of Whole-Body Vibration on the Functional Responses of the Patients with Knee Osteoarthritis by the Electromyographic Profile of the Vastus Lateralis Muscles during the Five-Repetition Chair Stand Test: A Randomized Crossover Trial. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4302.	1.3	1
183	A efetividade dos direitos humanos e a cláusula da reserva do possível. <i>Revista Da Faculdade De Direito Universidade De São Paulo</i> , 2009, 104, 287.	0.0	1
184	Impact of Advance Fabrics on Human Biomechanics: Example of Anti-fatigue Mats. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 301-313.	0.5	1
185	Numerical Evaluation of Sport Mouthguard Application. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 581-585.	0.5	1
186	Whole-Body Vibration Exercise in Cancer. , 2020, , 381-396.		1
187	The Physics of Vibration. , 2020, , 3-21.		1
188	Mobility and quality of life among adults with 5q-spinal muscular atrophy: the influence of individual history. <i>Annals of Physical and Rehabilitation Medicine</i> , 2022, 65, 101552.	1.1	1
189	Effects of whole-body vibration exercise in patients with chronic kidney disease: a systematic review. <i>Disability and Rehabilitation</i> , 2023, 45, 415-424.	0.9	1
190	Do two whole-body vibration amplitudes improve postural balance, gait speed, muscle strength, and functional mobility in sedentary older women? A crossover randomized controlled trial. <i>Journal of Bodywork and Movement Therapies</i> , 2022, , .	0.5	1
191	Efficacy of Acupuncture on Quality of Life, Functional Performance, Dyspnea, and Pulmonary Function in Patients with Chronic Obstructive Pulmonary Disease: Protocol for a Randomized Clinical Trial. <i>Journal of Clinical Medicine</i> , 2022, 11, 3048.	1.0	1
192	MODEL OF THE KNEE FOR UNDERSTANDING THE SQUAT MOVEMENT BIOMECHANICS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006, 39, 531-535.	0.4	0
193	Surface flow topology from tufts method in competitive swimming. <i>Journal of Biomechanics</i> , 2006, 39, S629.	0.9	0
194	PP-183 Epidemiology of neonatal sepsis in Kuwait. <i>International Journal of Infectious Diseases</i> , 2010, 14, S81.	1.5	0
195	Space-time and kinematic gait analysis in patients in Steinert patients. <i>Annals of Physical and Rehabilitation Medicine</i> , 2013, 56, e202.	1.1	0
196	Reintegration to Normal Living Index in a population of community-dwelling people with slowly muscular diseases. <i>Annals of Physical and Rehabilitation Medicine</i> , 2013, 56, e130-e131.	1.1	0
197	Treatment of the scapulohumeral dislocation due to rotator cuff syndrome; A comparative study between a manual relocating technique and a shoulder rehabilitation device. <i>Annals of Physical and Rehabilitation Medicine</i> , 2013, 56, e184-e185.	1.1	0
198	New simplified 3D device for clinical gait analysis. <i>Annals of Physical and Rehabilitation Medicine</i> , 2013, 56, e161.	1.1	0

#	ARTICLE	IF	CITATIONS
199	Biomechanics of the immediate impact of wearing a rigid thoracolumbar corset on gait kinematics and spatiotemporal parameters. MATEC Web of Conferences, 2018, 145, 04007.	0.1	0
200	Biomechanics of Motion and Behaviour of Trans-Tibial Amputee During Gait. Advances in Intelligent Systems and Computing, 2019, , 377-384.	0.5	0
201	Smart Textiles and Their Role in Monitoring the Body's Fitness and Medical Conditions. Advances in Intelligent Systems and Computing, 2019, , 484-490.	0.5	0
202	Aerodynamic investigation of the thermo-dependent flow structure in the wake of a cyclist. Journal of Biomechanics, 2019, 82, 387-391.	0.9	0
203	Whole-Body Vibration Exercises Associated with Pressure Threshold Device for Inspiratory Muscular Training. Advances in Intelligent Systems and Computing, 2020, , 638-643.	0.5	0
204	Acute Responses of the Passive Whole-Body Vibration on Clinical Parameters of the COPD Individuals: Preliminary Outcomes. Advances in Intelligent Systems and Computing, 2020, , 644-649.	0.5	0
205	Integrated Role of Nonpharmacological Interventions for Rehabilitation of Individuals with Musculoskeletal Disorders. BioMed Research International, 2020, 2020, 1-2.	0.9	0
206	Effect of a wellness room with a physiotherapist in an intimate fashion company on ergonomics: stress level, quality of life and musculoskeletal symptoms. Theoretical Issues in Ergonomics Science, 2021, 22, 125-138.	1.0	0
207	Users' Perspectives on Haptic Technology Use in Hand Rehabilitation. , 2021, , .		0
208	Therapy Approaches in Neurological Disorders. , 2021, , .		0
209	The Biomechanics and Ergonomics of the Impact of Anti-fatigue Mats on Decreasing Whole Body Vibration. Advances in Intelligent Systems and Computing, 2018, , 60-66.	0.5	0
210	The Musculoskeletal Contribution in Wheelchair Propulsion Systems: Numerical Analysis. Advances in Intelligent Systems and Computing, 2019, , 251-260.	0.5	0
211	EMG Comparison of Sport Manual Wheelchair Propelled by Lever Drive and Push Rims and Possible Consequences for Rehabilitation: A Case Study. Advances in Intelligent Systems and Computing, 2019, , 915-920.	0.5	0
212	Ergonomic Analysis of Community Health Agents During Homecare Visits. Advances in Intelligent Systems and Computing, 2020, , 538-542.	0.5	0
213	Short-Term Effect of Whole-Body Vibration in Static Posture: A Randomized Controlled Trial. Advances in Intelligent Systems and Computing, 2020, , 632-637.	0.5	0
214	Effects of Whole-Body Vibration Exercises on the Body Fat Distribution of the Metabolic Syndrome Individuals: Preliminary Outcomes. Advances in Intelligent Systems and Computing, 2020, , 658-664.	0.5	0
215	Body chain. , 2020, , .		0
216	Forced Swim Alters the Radiolabeling of Blood Constituents from Wistar Rats. Applied Sciences (Switzerland), 2020, 10, 1116.	1.3	0

#	ARTICLE	IF	CITATIONS
217	Whole-Body Vibration Exercise as an Intervention to Improve Musculoskeletal Performance. , 0, , .		0
218	Introductory Chapter: Biomechanics, Concepts and Knowledge. , 0, , .		0
219	Strategies to facilitate access to physical activity on a basic health unit: A participatory design. European Journal of Public Health, 2020, 30, .	0.1	0
220	Shock Response Spectrum Analysis of Fatigued Runners. Sensors, 2022, 22, 2350.	2.1	0
221	Whole-Body Vibration Associated with Strength Training on the Lower-Limb Blood Flow and Mobility in Older Adults with Type 2 Diabetes: A Study Protocol for a Randomized Controlled Trial. Diagnostics, 2022, 12, 1550.	1.3	0