Redha Taiar

List of Publications by Year
in descending order

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221 papers	46,918 citations	136950 32 h-index	2684 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. BMJ: British Medical Journal, 2011, 343, d5928-d5928.	2.3	23,287
2	The PRISMA statement for reporting systematic reviews and meta-analyses of studies that evaluate healthcare interventions: explanation and elaboration. BMJ: British Medical Journal, 2009, 339, b2700-b2700.	2.3	13,452
3	Reliability of the PEDro Scale for Rating Quality of Randomized Controlled Trials. Physical Therapy, 2003, 83, 713-721.	2.4	3,431
4	The PEDro scale is a valid measure of the methodological quality of clinical trials: a demographic study. Australian Journal of Physiotherapy, 2009, 55, 129-133.	0.9	1,392
5	The contribution of chronic kidney disease to the global burden of major noncommunicable diseases. Kidney International, 2011, 80, 1258-1270.	5.2	1,105
6	Vibration as an exercise modality: how it may work, and what its potential might be. European Journal of Applied Physiology, 2010, 108, 877-904.	2.5	629
7	Grip Strength: An Indispensable Biomarker For Older Adults . Clinical Interventions in Aging, 2019, Volume 14, 1681-1691.	2.9	407
8	Extending an evidence hierarchy to include topics other than treatment: revising the Australian 'levels of evidence'. BMC Medical Research Methodology, 2009, 9, 34.	3.1	333
9	Levels and Changes of Physical Activity in Adolescents during the COVID-19 Pandemic: Contextualizing Urban vs. Rural Living Environment. Applied Sciences (Switzerland), 2020, 10, 3997.	2.5	123
10	A Comparison of the Physiologic Effects of Acute Whole-Body Vibration Exercise in Young and Older People. Archives of Physical Medicine and Rehabilitation, 2008, 89, 815-821.	0.9	80
11	Effect of whole-body vibration on neuromuscular performance: A literature review. Work, 2018, 59, 571-583.	1.1	75
12	â€œExercise as medicineâ€•in chronic kidney disease. Scandinavian Journal of Medicine and Science in Sports, 2016, 26, 985-988.	2.9	73
13	Neural Decoding of EEG Signals with Machine Learning: A Systematic Review. Brain Sciences, 2021, 11, 1525.	2.3	68
14	A System Dynamics Simulation Applied to Healthcare: A Systematic Review. International Journal of Environmental Research and Public Health, 2020, 17, 5741.	2.6	67
15	Reporting Guidelines for Whole-Body Vibration Studies in Humans, Animals and Cell Cultures: A Consensus Statement from an International Group of Experts. Biology, 2021, 10, 965.	2.8	62
16	RELIABILITY AND VALIDITY OF AN ACCELEROMETRIC SYSTEM FOR ASSESSING VERTICAL JUMPING PERFORMANCE. Biology of Sport, 2014, 31, 55-62.	3.2	60
17	Analysis of the effect of swimmer's head position on swimming performance using computational fluid dynamics. Journal of Biomechanics, 2008, 41, 1350-1358.	2.1	57
18	Efeitos negativos da insuficiÃªncia renal crÃ´nica sobre a funÃ§Ã£o pulmonar e a capacidade funcional. Brazilian Journal of Physical Therapy, 2010, 14, 91-98.	2.5	53

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19	Wearing lead aprons in surgical operating rooms: ergonomic injuries evidenced by infrared thermography. Journal of Surgical Research, 2017, 209, 227-233.	1.6	48
20	Relevance of Whole-Body Vibration Exercises on Muscle Strength/Power and Bone of Elderly Individuals. Dose-Response, 2018, 16, 155932581881306.	1.6	48
21	Analysis of swimmersâ€™ velocity during the underwater gliding motion following grab start. Journal of Biomechanics, 2009, 42, 1367-1370.	2.1	46
22	Turbulence model choice for the calculation of drag forces when using the CFD method. Journal of Biomechanics, 2010, 43, 405-411.	2.1	44
23	Self-Management Interventions in Stages 1 to 4 Chronic Kidney Disease. Western Journal of Nursing Research, 2015, 37, 652-678.	1.4	44
24	Inspiratory muscle training improves respiratory muscle strength, functional capacity and quality of life in patients with chronic kidney disease: a systematic review. Journal of Physiotherapy, 2017, 63, 76-83.	1.7	44
25	Towards reporting guidelines of research using whole-body vibration as training or treatment regimen in human subjectsâ€”A Delphi consensus study. PLoS ONE, 2020, 15, e0235905.	2.5	43
26	Log Transform Based Optimal Image Enhancement Using Firefly Algorithm for Autonomous Mini Unmanned Aerial Vehicle: An Application of Aerial Photography. International Journal of Image and Graphics, 2018, 18, 1850019.	1.5	42
27	Reported quality of life in countries with cases of COVID19: a systematic review. Expert Review of Respiratory Medicine, 2021, 15, 213-220.	2.5	42
28	High-Intensity Running and Plantar-Flexor Fatigability and Plantar-Pressure Distribution in Adolescent Runners. Journal of Athletic Training, 2015, 50, 117-125.	1.8	40
29	A Disaster Management Specific Mobility Model for Flying Ad-hoc Network. International Journal of Rough Sets and Data Analysis, 2016, 3, 72-103.	1.0	40
30	Bone-to-Brain: A Round Trip in the Adaptation to Mechanical Stimuli. Frontiers in Physiology, 2021, 12, 623893.	2.8	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. Clinical Biomechanics, 2011, 26, 867-872.	1.2	39
32	Skeletal muscle fibrosis is associated with decreased muscle inflammation and weakness in patients with chronic kidney disease. American Journal of Physiology - Renal Physiology, 2018, 315, F1658-F1669.	2.7	38
33	Numerical investigation of the early flight phase in ski-jumping. Journal of Biomechanics, 2017, 59, 29-34.	2.1	35
34	Aerodynamic study of time-trial helmets in cycling racing using CFD analysis. Journal of Biomechanics, 2018, 67, 1-8.	2.1	35
35	Oscillatory whole-body vibration improves exercise capacity and physical performance in pulmonary arterial hypertension: a randomised clinical study. Heart, 2017, 103, 592-598.	2.9	34
36	Acute Effects of Whole-Body Vibration on the Pain Level, Flexibility, and Cardiovascular Responses in Individuals With Metabolic Syndrome. Dose-Response, 2018, 16, 155932581880213.	1.6	34

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37	Whole-body vibration improves the functional parameters of individuals with metabolic syndrome: an exploratory study. BMC Endocrine Disorders, 2019, 19, 6.	2.2	34
38	Comparison of plantar pressure distribution in adolescent runners at low vs. high running velocity. Gait and Posture, 2012, 35, 685-687.	1.4	33
39	Attitudes to knee osteoarthritis and total knee replacement in Arab women: a qualitative study. BMC Research Notes, 2013, 6, 406.	1.4	33
40	When should we change our clinical practice based on the results of a clinical study? Searching for evidence: PICOS and PubMed. Internal and Emergency Medicine, 2015, 10, 525-527.	2.0	33
41	COVID-19 Lockdown and the Behavior Change on Physical Exercise, Pain and Psychological Well-Being: An International Multicentric Study. International Journal of Environmental Research and Public Health, 2021, 18, 3810.	2.6	33
42	Whole-body vibration improves functional capacity and quality of life in patients with severe chronic obstructive pulmonary disease (COPD): a pilot study. International Journal of COPD, 2015, 10, 125.	2.3	31
43	Effect of whole body cryotherapy interventions on health-related quality of life in fibromyalgia patients: A randomized controlled trial. Complementary Therapies in Medicine, 2018, 36, 6-8.	2.7	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. International Journal of Environmental Research and Public Health, 2020, 17, 3650.	2.6	30
45	Medical Infrared Thermography assistance in the surgical treatment of axillary Hidradenitis Suppurativa: A case report. International Journal of Surgery Case Reports, 2017, 34, 56-59.	0.6	28
46	Vestibular rehabilitation therapy. Neurophysiologie Clinique, 2008, 38, 479-487.	2.2	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). International Journal of Industrial Ergonomics, 2020, 76, 102925.	2.6	27
48	The early radiological follow-up of a medial rotational design of total knee arthroplasty. Knee, 2008, 15, 222-226.	1.6	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. PLoS ONE, 2016, 11, e0153470.	2.5	24
50	The effects of whole body vibration exercise intervention on electroencephalogram activation and cognitive function in women with senile dementia. Journal of Exercise Rehabilitation, 2018, 14, 586-591.	1.0	24
51	Skin-friction drag analysis from the forced convection modeling in simplified underwater swimming. Journal of Biomechanics, 2006, 39, 2535-2541.	2.1	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. PLoS ONE, 2019, 14, e0212512.	2.5	20
53	A Proposal of Physical Performance Tests Adapted as Home Workout Options during the COVID-19 Pandemic. Applied Sciences (Switzerland), 2020, 10, 4755.	2.5	20
54	Predicting the Dynamics of the COVID-19 Pandemic in the United States Using Graph Theory-Based Neural Networks. International Journal of Environmental Research and Public Health, 2021, 18, 3834.	2.6	20

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55	Construction of a Quality of Life Questionnaire for slowly progressive neuromuscular disease. Quality of Life Research, 2015, 24, 2615-2623.	3.1	19
56	Should whole body cryotherapy sessions be differentiated between women and men? A preliminary study on the role of the body thermal resistance. Medical Hypotheses, 2018, 120, 60-64.	1.5	19
57	Hydrodynamics optimization in butterfly swimming: position, drag coefficient and performance. Journal of Biomechanics, 1999, 32, 803-810.	2.1	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. Medical Hypotheses, 2016, 96, 11-15.	1.5	17
60	Physiological demands and nutritional considerations for Olympic-style competitive rock climbing. Cogent Medicine, 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. IEEE Access, 2021, 9, 80692-80702.	4.2	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. International Journal of Athletic Therapy and Training, 2011, 16, 19-23.	0.2	16
64	Influence of a postural change of the swimmer's head in hydrodynamic performances using 3D CFD. Computer Methods in Biomechanics and Biomedical Engineering, 2014, 17, 344-351.	1.6	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. Academic Radiology, 2017, 24, 1332-1342.	2.5	16
66	Feasibility and tolerability of wholeâ€body, lowâ€intensity vibration and its effects on muscle function and bone in patients with dystrophinopathies: a pilot study. Muscle and Nerve, 2017, 55, 875-883.	2.2	16
67	Acute Effects of Whole-Body Vibration Training on Endothelial Function and Cardiovascular Response in Elderly Patients with Cardiovascular Disease. International Heart Journal, 2019, 60, 854-861.	1.0	16
68	Whole body vibration improves maximum voluntary isometric contraction of knee extensors in patients with chronic kidney disease: A randomized controlled trial. Physiotherapy Theory and Practice, 2019, 35, 409-418.	1.3	16
69	Brain Network Oscillations During Gait in Parkinsonâ€™s Disease. Frontiers in Human Neuroscience, 2020, 14, 568703.	2.0	16
70	Do whole body vibration exercises affect lower limbs neuromuscular activity in populations with a medical condition? A systematic review. Restorative Neurology and Neuroscience, 2017, 35, 667-681.	0.7	15
71	A Study of the Effects of the COVID-19 Pandemic on the Experience of Back Pain Reported on TwitterÂ® in the United States: A Natural Language Processing Approach. International Journal of Environmental Research and Public Health, 2021, 18, 4543.	2.6	15
72	Differences between sprint tests under laboratory and actual cycling conditions. Journal of Sports Medicine and Physical Fitness, 2005, 45, 277-83.	0.7	15

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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.	2.6	14
74	Infrared thermography for assessing skin temperature differences between Partial Body Cryotherapy and Whole Body Cryotherapy devices at â^'140â€Â°C. Infrared Physics and Technology, 2018, 93, 158-161.	2.9	14
75	Upper-limb motion and drop jump: effect of expertise. Journal of Sports Medicine and Physical Fitness, 2006, 46, 238-47.	0.7	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.	1.2	13
77	Integrative Neuromuscular Training in Young Athletes, Injury Prevention, and Performance Optimization: A Systematic Review. Applied Sciences (Switzerland), 2019, 9, 3839.	2.5	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.	0.4	13
79	Application of Infrared Thermography as a Diagnostic Tool of Knee Osteoarthritis. Journal of Thermal Science and Technology, 2012, 7, 227-235.	1.1	12
80	The utility of whole body vibration exercise in haemodialysis patients: a pilot study. CKJ: Clinical Kidney Journal, 2017, 10, 822-829.	2.9	12
81	Functional tests associated with sarcopenia in moderate chronic obstructive pulmonary disease. Expert Review of Respiratory Medicine, 2021, 15, 569-576.	2.5	12
82	Aerodynamic investigation of the inrun position in Ski jumping. Sports Biomechanics, 2021, , 1-15.	1.6	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.	1.4	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.	1.9	11
85	Whole-Body Vibration for Individuals with Reconstructed Anterior Cruciate Ligament: A Systematic Review. BioMed Research International, 2020, 2020, 1-14.	1.9	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, .	0.4	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.	2.3	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.	3.6	9
90	Effects of hypnosis during pregnancy: A psychophysiological study on maternal stress. Medical Hypotheses, 2017, 102, 123-127.	1.5	9

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91	Clinical Approaches of Whole-Body Vibration Exercises in Individuals with Stroke: A Narrative Revision. Rehabilitation Research and Practice, 2018, 2018, 1-8.	0.6	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. Dose-Response, 2019, 17, 155932581988649.	1.6	9
93	Parameter-Dependency of Low-Intensity Vibration for Wound Healing in Diabetic Mice. Frontiers in Bioengineering and Biotechnology, 2021, 9, 654920.	4.1	9
94	Are oxidative stress biomarkers and respiratory muscles strength associated with COPD-related sarcopenia in older adults?. Experimental Gerontology, 2022, 157, 111630.	2.8	9
95	Preliminary numerical investigation in open currents-water swimming: Pressure field in the swimmer wake. Applied Mathematics and Computation, 2017, 302, 48-57.	2.2	8
96	Identification and Prediction of Human Behavior through Mining of Unstructured Textual Data. Symmetry, 2020, 12, 1902.	2.2	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. Journal of Clinical Medicine, 2021, 10, 2006.	2.4	8
98	Whole body vibration to attenuate reduction of explosive force in chronic kidney disease patients: a randomized controlled trial. Journal of Exercise Rehabilitation, 2018, 14, 883-890.	1.0	8
99	Neural Correlates of Knee Extension and Flexion Force Control: A Kinetically-Instrumented Neuroimaging Study. Frontiers in Human Neuroscience, 2020, 14, 622637.	2.0	7
100	Whole Body Vibrations. , 0, , .		7
101	How does aerodynamics influence physiological responses in middle-distance running drafting?. Mathematical Modelling of Engineering Problems, 2019, 6, 129-135.	0.5	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. Biology, 2021, 10, 1209.	2.8	7
103	Biological Consequences of Exposure to Mechanical Vibration. Dose-Response, 2018, 16, 155932581879961.	1.6	6
104	â€œFemale nurses: Professional identity in question how female nurses perceive their professional identity through their relationships with physiciansâ€• Cogent Medicine, 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. Applied Sciences (Switzerland), 2019, 9, 5183.	2.5	6
106	Enabling collaboration and building trust among health science students attending an interprofessional educational project. Cogent Medicine, 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. Dose-Response, 2019, 17, 155932581989049.	1.6	6
108	Does whole body vibration training improve heart rate variability in kidney transplants patients? A randomized clinical trial. Journal of Bodywork and Movement Therapies, 2020, 24, 50-56.	1.2	6

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109	Aerobic Exercise with Superimposed Virtual Reality Improves Cognitive Flexibility and Selective Attention in Young Males. Applied Sciences (Switzerland), 2020, 10, 8029.	2.5	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. Journal of Applied Physiology, 2020, 128, 934-940.	2.5	6
111	Whole-Body Vibration Exercise in Different Postures on Handgrip Strength in Healthy Women: A Cross-Over Study. Frontiers in Physiology, 2020, 11, 469499.	2.8	6
112	Biomechanics of Trail Running Performance: Quantification of Spatio-Temporal Parameters by Using Low Cost Sensors in Ecological Conditions. Applied Sciences (Switzerland), 2021, 11, 2093.	2.5	6
113	Electroencephalography as a Biomarker for Functional Recovery in Spinal Cord Injury Patients. Frontiers in Human Neuroscience, 2021, 15, 548558.	2.0	6
114	Whole-Body Vibration Exercise: A Possible Intervention in the Management of Post COVID-19 Complications?. Applied Sciences (Switzerland), 2021, 11, 5733.	2.5	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. Journal of Healthcare Engineering, 2021, 2021, 1-9.	1.9	6
116	The COVID-19 Infection Diffusion in the US and Japan: A Graph-Theoretical Approach. Biology, 2022, 11, 125.	2.8	6
117	Oxidative Stress Biomarkers and Quality of Life Are Contributing Factors of Muscle Pain and Lean Body Mass in Patients with Fibromyalgia. Biology, 2022, 11, 935.	2.8	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. Biology, 2022, 11, 937.	2.8	6
119	Motion vector estimation using parallel processing. , 2014, , .		5
120	Infrared thermography applied to the study of the thermal behavior of wheelchair cushion. Computer Methods in Biomechanics and Biomedical Engineering, 2017, 20, 151-152.	1.6	5
121	Analysis of the relationship between patientsâ€™ fear of falling and prescriber acceptance of community pharmacistsâ€™ recommendations. Cogent Medicine, 2019, 6, 1615719.	0.7	5
122	Ankle Push-Off Based Mathematical Model for Freezing of Gait in Parkinson's Disease. Frontiers in Bioengineering and Biotechnology, 2020, 8, 552635.	4.1	5
123	Aquatic Training after Joint Immobilization in Rats Promotes Adaptations in Myotendinous Junctions. International Journal of Molecular Sciences, 2021, 22, 6983.	4.1	5
124	The Consequences of Mechanical Vibration Exposure on the Lower Back of Bus Drivers: A Systematic Review. Applied Sciences (Switzerland), 2021, 11, 9986.	2.5	5
125	The Impact of Resistance Training on Gene Expression of IGF1 and Athletesâ€™ Physiological Parameters. Open Access Macedonian Journal of Medical Sciences, 2021, 9, 934-940.	0.2	5
126	Surface flow visualization around competitive swimmers by Tufts Method. Journal of Visualization, 2008, 11, 187-188.	1.8	4

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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.	2.5	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.	1.8	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.	2.5	4
132	Biological Effects of Paullinia cupana (Guarana) in Combination with Whole-Body Vibration Exercise in Wistar Rats. Applied Sciences (Switzerland), 2020, 10, 1104.	2.5	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.	1.9	4
134	Numerical Streamline Patterns at Swimmerâ€™s Surface Using RANS Equations. Journal of Applied Biomechanics, 2012, 28, 279-283.	0.8	3
135	Validity of an accelerometric system for measuring forceâ€“time-based data during jumping tasks. Computer Methods in Biomechanics and Biomedical Engineering, 2013, 16, 84-85.	1.6	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.	1.8	3
137	A numerical model of the tension band wiring technique for olecranon fracture reduction. Applied Mathematics and Computation, 2017, 297, 31-38.	2.2	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.	0.4	3
140	Effects of the Whole-Body Vibration and Auriculotherapy on the Functionality of Knee Osteoarthritis Individuals. Applied Sciences (Switzerland), 2019, 9, 5194.	2.5	3
141	Is whole body vibration an alternative physical training method for renal transplant recipients?. Physiotherapy Research International, 2020, 25, e1838.	1.5	3
142	Patient-specific simulation of a gallbladder refilling based on MRI and ultrasound in vivo measurements. AIP Conference Proceedings, 2020, , .	0.4	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.	2.5	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.	1.2	3

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145	Whole-Body Vibration Approaches in Neurological Disorders. , 0, , .		3
146	Connectomics of Bone to Brainâ€"Probing Physical Renderings of Cellular Experience. Frontiers in Physiology, 2021, 12, 647603.	2.8	3
147	Preliminary Results on the Assessment of Temperature Distribution on Hands After Typing on Ergonomic and Non-ergonomic Postures. Advances in Intelligent Systems and Computing, 2020, , 586-591.	0.6	3
148	Towards an AI-Based Tailored Training Planning for Road Cyclists: A Case Study. Applied Sciences (Switzerland), 2021, 11, 313.	2.5	3
149	Acute Neuromuscular Responses to Whole-Body Vibration of Systemic Lupus Erythematosus Individuals: A Randomized Pilot Study. Applied Sciences (Switzerland), 2021, 11, 138.	2.5	3
150	Effect of Customized Insoles on Gait in Post-Stroke Hemiparetic Individuals: A Randomized Controlled Trial. Biology, 2021, 10, 1187.	2.8	3
151	Immediate Effects of Whole-Body Vibration Associated with Squatting Exercises on Hemodynamic Parameters in Sarcopenic Older People: A Randomized Controlled Trial. International Journal of Environmental Research and Public Health, 2021, 18, 11852.	2.6	3
152	The effects of whole-body vibration on cognition: a systematic review. Journal of Human Growth and Development, 2022, 32, 108-119.	0.6	3
153	Editorial: Post-Exercise Hypotension: Clinical Applications and Potential Mechanisms. Frontiers in Physiology, 2022, 13, 899497.	2.8	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. Journal of Neutron Research, 2007, 15, 243-248.	1.1	2
156	Visualizations of the flow around a swimmer in turbulent regime. Journal of Visualization, 2011, 14, 3-4.	1.8	2
157	ModÃ©lisation par Ã©lÃ©ments finis du comportement du disque articulaire de lâ€™ATM. International Orthodontics, 2012, 10, 66-84.	1.9	2
158	ModÃ©lisation mathÃ©matique de la rÃ©ponse thermique cutanÃ©e en cryothÃ©rapie corps entier (CCE)Â: une Ã©tude pilote. Kinesitherapie, 2017, 17, 11-17.	0.1	2
159	Clinical Approaches of Whole Body Vibration Exercises. Rehabilitation Research and Practice, 2018, 2018, 1-2.	0.6	2
160	Can a new ergonomical ankleâ€"foot orthosis (AFO) device improve patientsâ€™ daily life? A preliminary study. Theoretical Issues in Ergonomics Science, 2019, 20, 763-772.	1.8	2
161	Editorial: Interventional Strategies for Enhancing Quality of Life and Health Span in Older Adults. Frontiers in Aging Neuroscience, 2020, 12, 253.	3.4	2
162	Whole-Body Vibration as Antihypertensive Non-Pharmacological Treatment in Hypertensive Individuals with Knee Osteoarthritis: Randomized Cross-Over Trial. Sustainability, 2020, 12, 8944.	3.2	2

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163	Editorial â€œBiomechanical Spectrum of Human Sport Performanceâ€• Applied Sciences (Switzerland), 2020, 10, 1898.	2.5	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.	0.2	2
167	Editorial: The Relationship Between Neural Circuitry and Biomechanical Action. Frontiers in Human Neuroscience, 2022, 16, 838028.	2.0	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.	2.8	2
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