James P Dickey

List of Publications by Year
in descending order

92 papers	1,783 citations	304602 22 h-index	315616 38 g-index
92 all docs	92 docs citations	92 times ranked	1624 citing authors

#	Article	IF	Citations
1	Dry needle stimulation of myofascial trigger points evokes segmental anti-nociceptive effects. Journal of Rehabilitation Medicine, 2010, 42, 463-468.	0.8	125
2	Biomechanical Role of Lumbar Spine Ligaments in Flexion and Extension: Determination Using a Parallel Linkage Robot and a Porcine Model. Spine, 2004, 29, 1208-1216.	1.0	102
3	Stimulation of myofascial trigger points with ultrasound induces segmental antinociceptive effects: A randomized controlled study. Pain, 2008, 139, 260-266.	2.0	96
4	Repeated spinal flexion modulates the flexionâ€“relaxation phenomenon. Clinical Biomechanics, 2003, 18, 783-789.	0.5	78
5	Randomized controlled study of the antinociceptive effect of ultrasound on trigger point sensitivity: novel applications in myofascial therapy?. Clinical Rehabilitation, 2007, 21, 411-417.	1.0	73
6	Relationship between pain and vertebral motion in chronic low-back pain subjects. Clinical Biomechanics, 2002, 17, 345-352.	0.5	69
7	BMPâ€7 protects against progression of cartilage degeneration after impact injury. Journal of Orthopaedic Research, 2009, 27, 602-611.	1.2	69
8	Capsaicin-Induced Central Sensitization Evokes Segmental Increases in Trigger Point Sensitivity in Humans. Journal of Pain, 2010, 11, 636-643.	0.7	68
9	Internet-based survey of the nature and perceived causes of injury to dogs participating in agility training and competition events. Journal of the American Veterinary Medical Association, 2013, 243, 1010-1018.	0.2	59
10	Laboratory Evaluation of the gForce Trackerâ„¢, a Head Impact Kinematic Measuring Device for Use in Football Helmets. Annals of Biomedical Engineering, 2016, 44, 1246-1256.	1.3	57
11	Survey-based analysis of risk factors for injury among dogs participating in agility training and competition events. Journal of the American Veterinary Medical Association, 2013, 243, 1019-1024.	0.2	56
12	A continuous pure moment loading apparatus for biomechanical testing of multi-segment spine specimens. Journal of Biomechanics, 2000, 33, 765-770.	0.9	54
13	Is there a relationship between whiplash-associated disorders and concussion in hockey? A preliminary study. Brain Injury, 2006, 20, 179-188.	0.6	45
14	Six degree of freedom whole-body vibration during forestry skidder operations. International Journal of Industrial Ergonomics, 2008, 38, 739-757.	1.5	42
15	Effect of specimen length: are the mechanics of individual motion segments comparable in functional spinal units and multisegment specimens?. Medical Engineering and Physics, 2003, 25, 221-227.	0.8	40
16	Determination of the effectiveness of materials in attenuating high frequency shock during gait using filterbank analysis. Clinical Biomechanics, 2003, 18, 50-59.	0.5	40
17	Importance of sagittal kick symmetry for underwater dolphin kick performance. Human Movement Science, 2014, 33, 298-311.	0.6	38
18	Head impact magnitudes that occur from purposeful soccer heading depend on the game scenario and head impact location. Musculoskeletal Science and Practice, 2019, 40, 53-57.	0.6	35

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19	Mapping of donor and recipient site properties for osteochondral graft reconstruction of subchondral cystic lesions in the equine stifle joint. Equine Veterinary Journal, 2010, 38, 330-336.	0.9	29
20	Multi-Axis Sinusoidal Whole-Body Vibrations: Part I â€" How Long Should the Vibration and Rest Exposures Be for Reliable Discomfort Measures?. Journal of Low Frequency Noise Vibration and Active Control, 2006, 25, 175-184.	1.3	26
21	Direct player observation is needed to accurately quantify heading frequency in youth soccer. Research in Sports Medicine, 2018, 26, 191-198.	0.7	26
22	Influence of Driving Speed, Terrain, Seat Performance and Ride Control on Predicted Health Risk Based on ISO 263I-I and EU Directive 2002/44/EC. Journal of Low Frequency Noise Vibration and Active Control, 2011, 30, 291-312.	1.3	25
23	Representation of passive spinal element contributions to in vitro flexionâ€"extension using a polynomial model: illustration using the porcine lumbar spine. Journal of Biomechanics, 2003, 36, 883-888.	0.9	22
24	Multi-Axis Sinusoidal Whole-Body Vibrations: Part II â€" Relationship between Vibration Total Value and Discomfort Varies between Vibration Axes. Journal of Low Frequency Noise Vibration and Active Control, 2007, 26, 195-204.	1.3	21
25	New methodology for multi-dimensional spinal joint testing with a parallel robot. Medical and Biological Engineering and Computing, 2007, 45, 297-304.	1.6	20
26	Longitudinal changes of brain microstructure and function in nonconcussed female rugby players. Neurology, 2020, 95, e402-e412.	1.5	20
27	New Insight Into the Mechanics of the Lumbar Interspinous Ligament. Spine, 1996, 21, 2720-2727.	1.0	19
28	Six-degree-of-freedom whole-body vibration exposure levels during routine skidder operations. Ergonomics, 2010, 53, 696-715.	1.1	19
29	The magnitude of muscular activation of four canine forelimb muscles in dogs performing two agility-specific tasks. BMC Veterinary Research, 2016, 13, 68.	0.7	19
30	The number of purposeful headers female youth soccer players experience during games depends on player age but not player position. Science and Medicine in Football, 2019, 3, 109-114.	1.0	18
31	Adaptations in gait resulting from unilateral ischaemic block of the leg. Clinical Biomechanics, 1992, 7, 215-225.	0.5	17
32	Predicting discomfort scores reported by LHD operators using whole-body vibration exposure values and musculoskeletal pain scores. Work, 2010, 35, 49-62.	0.6	17
33	The rate of change of acceleration: Implications to head kinematics during rear-end impacts. Accident Analysis and Prevention, 2008, 40, 1063-1068.	3.0	16
34	Wrist rotations about one or two axes affect maximum wrist strength. Applied Ergonomics, 2016, 53, 152-160.	1.7	16
35	Cervical Spine Rotation and Range of Motion: Pilot Measurements During Driving. Traffic Injury Prevention, 2011, 12, 82-87.	0.6	14
36	What Is Injury in Ice Hockey: An Integrative Literature Review on Injury Rates, Injury Definition, and Athlete Exposure in Menâ€™s Elite Ice Hockey. Sports, 2019, 7, 227.	0.7	14

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37	Examination of Vibration Characteristics, and Reported Musculoskeletal Discomfort for Workers Exposed to Vibration via the Feet. Journal of Low Frequency Noise Vibration and Active Control, 2011, 30, 197-206.	1.3	13
38	Variability of the impact transient during repeated barefoot walking trials. Journal of Biomechanics, 2008, 41, 926-930.	0.9	12
39	Comparing Health Risks to Load-Haul-Dump Vehicle Operators Exposed to Whole-Body Vibration Using EU Directive 2002/44EC, ISO 2631-1 and ISO 2631-5. Minerals (Basel, Switzerland), 2013, 3, 16-35.	0.8	12
40	Quantifying the precision and accuracy of the MicroScribe G2X three-dimensional digitizer. Digital Applications in Archaeology and Cultural Heritage, 2015, 2, 28-33.	0.9	12
41	Evaluation of the vibration attenuation properties of an air-inflated cushion with two different heavy machinery seats in multi-axis vibration environments including jolts. Applied Ergonomics, 2017, 59, 293-301.	1.7	12
42	Transmission of Acceleration From a Synchronous Vibration Exercise Platform to the Head During Dynamic Squats. Dose-Response, 2019, 17, 155932581982746.	0.7	12
43	Research Using Virtual Reality: Mobile Machinery Safety in the 21st Century. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.8	11
44	Quantification of 6-Degree-of-Freedom Chassis Whole-Body Vibration in Mobile Heavy Vehicles Used in the Steel Making Industry. Journal of Low Frequency Noise Vibration and Active Control, 2012, 31, 85-104.	1.3	10
45	The Effect of Drag Suit Training on 50-m Freestyle Performance. Journal of Strength and Conditioning Research, 2012, 26, 989-994.	1.0	10
46	Comparison between ISO 2631â€“1 Comfort Prediction Equations and Self-Reported Comfort Values during Occupational Exposure to Whole-Body Vehicular Vibration. Journal of Low Frequency Noise Vibration and Active Control, 2012, 31, 43-53.	1.3	10
47	Biomechanical research on bowed string musicians: a scoping study. Medical Problems of Performing Artists, 2013, 28, 212-8.	0.2	10
48	A systematic approach to simulating field-based occupational whole-body vibration exposure in the lab using a 6df robot. Work, 2010, 35, 15-26.	0.6	9
49	Trunk muscle contributions of to L4â€“5 joint rotational stiffness following sudden trunk lateral bend perturbations. Journal of Electromyography and Kinesiology, 2013, 23, 1334-1342.	0.7	9
50	Evaluating the Effects of a Novel Neuromuscular Neck Training Device on Multiplanar Static and Dynamic Neck Strength: A Pilot Study. Journal of Strength and Conditioning Research, 2020, 34, 708-716.	1.0	9
51	Development and Verification of a Protocol to Quantify Hip Joint Kinematics. American Journal of Sports Medicine, 2015, 43, 2157-2163.	1.9	8
52	Development of the circumduction metric for identification of cervical motion impairment. Journal of Rehabilitation and Assistive Technologies Engineering, 2018, 5, 205566831877798.	0.6	8
53	Quantitative morphology of the human and porcine mid-lumbar interspinous ligament. Veterinary and Comparative Orthopaedics and Traumatology, 2002, 15, 150-157.	0.2	6
54	Validation of HOBO Pendant Â® data loggers for automated step detection in two age classes of male turkeys: growers and finishers. Applied Animal Behaviour Science, 2016, 176, 63-69.	0.8	6

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55	Backstroke start performance: the impact of using the Omega OBL2 backstroke ledge. Sports Biomechanics, 2018, 17, 1-13.	0.8	6
56	Tensile Failure of C2 Pedicles and of Subsequent Direct Repair in a Porcine Model. Spine, 2004, 29, E127-E133.	1.0	5
57	Investigating Cervical Muscle Response and Head Kinematics During Right, Left, Frontal and Rear-Seated Perturbations. Traffic Injury Prevention, 2012, 13, 529-536.	0.6	5
58	An Evaluation of Heart Rate Variability in Female Youth Soccer Players Following Soccer Heading: A Pilot Study. Sports, 2019, 7, 229.	0.7	5
59	Reliability of the Single-Leg, Medial Countermovement Jump in Youth Ice Hockey Players. Sports, 2021, 9, 64.	0.7	5
60	The Use of Multiple Resolution Cross-Correlations to Align Simultaneously Collected Whole-Body Vibration Data. Journal of Low Frequency Noise Vibration and Active Control, 2008, 27, 121-133.	1.3	4
61	Application of robotic technology in biomechanics to study joint laxity. Journal of Medical Engineering and Technology, 2010, 34, 399-407.	0.8	4
62	Development of a seat selection algorithm to match industrial seats with specific forestry vibration exposures. International Journal of Forest Engineering, 2015, 26, 48-59.	0.4	4
63	Factor structure, stability, and congruence in the functional movement screen. Measurement in Physical Education and Exercise Science, 2018, 22, 109-115.	1.3	4
64	Development and validation of a high-speed video system for measuring saccadic eye movement. Behavior Research Methods, 2019, 51, 2302-2309.	2.3	4
65	Cumulative soccer heading amplifies the effects of brain activity observed during concurrent moderate exercise and continuous performance task in female youth soccer players. Journal of Concussion, 2020, 4, 205970022091265.	0.2	4
66	Relationships between the Functional Movement Screen Score and Y-Balance Test Reach Distances. International Journal of Human Movement and Sports Sciences, 2017, 5, 51-56.	0.1	4
67	Contact mechanics of the ovine stifle during simulated early stance in gait. An in vitro study using robotics. Veterinary and Comparative Orthopaedics and Traumatology, 2007, 20, 70-2.	0.2	4
68	Head Restraint Backset During Routine Automobile Driving: Drivers Usually Exceed the Recommended Guidelines. Traffic Injury Prevention, 2011, 12, 180-186.	0.6	3
69	Muscle Contributions to L4-5 Joint Rotational Stiffness following Sudden Trunk Flexion and Extension Perturbations. Journal of Medical Engineering, 2013, 2013, 1-10.	1.1	3
70	Selecting seats for steel industry mobile machines based on seat effective amplitude transmissibility and comfort. Work, 2014, 47, 123-136.	0.6	3
71	Different Lower-Limb Setup Positions Do Not Consistently Change Backstroke Start Time to 10 m. Sports, 2020, 8, 43.	0.7	3
72	Health risks associated with whole-body vibration exposure in steel manufacturing vehicle operators. Occupational Ergonomics, 2012, 10, 125-137.	0.3	3

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73	Career Head Impact Exposure Profile of Canadian University Football Players. Journal of Applied Biomechanics, 2022, 38, 47-57.	0.3	3
74	A Mastication Mechanism Designed for Testing Temporomandibular Joint Implants. Applied Bionics and Biomechanics, 2012, 9, 241-247.	0.5	2
75	Research Priorities in the Field of Posttraumatic Pain and Disability: Results of a Transdisciplinary Consensus-Generating Workshop. Pain Research and Management, 2016, 2016, 1-8.	0.7	2
76	Quantifying ice hockey goaltender leg pad kinematics and the effect that different leg pad styles have on performance. Sports Engineering, 2017, 20, 267-274.	0.5	2
77	The Hammer and the Nail: Biomechanics of Striking and Struck Canadian University Football Players. Annals of Biomedical Engineering, 2021, 49, 2875-2885.	1.3	2
78	Exploring the effect of capsaicin-induced central sensitization on the upper limb nociceptive withdrawal reflex threshold. Experimental Brain Research, 2021, 239, 3405-3415.	0.7	2
79	Biofeedback as an intervention for persistent post-concussive symptoms: A randomized feasibility trial. Journal of Concussion, 2021, 5, 205970022110464.	0.2	2
80	Completing an interdisciplinary outpatient intervention improves patient rehabilitation goals following a mild traumatic brain injury. Physiotherapy Theory and Practice, 2022, , 1-7.	0.6	2
81	A validated approach for collecting fine-wire electromyographic recordings in four canine shoulder muscles during highly dynamic tasks. Comparative Exercise Physiology, 2015, 11, 65-74.	0.3	1
82	Reducing whole-body vibration through field vibration tested heavy equipment seat retrofitting. Occupational Ergonomics, 2016, 13, 15-22.	0.3	1
83	Investigating the grip forces exerted by individuals with and without hand arthritis while swinging a golf club with the use of a new wearable sensor technology. Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology, 2020, 234, 205-216.	0.4	1
84	Performing more than 20 purposeful gameplay headers in a soccer season may alter autonomic function in female youth soccer players. Research in Sports Medicine, 2021, 29, 440-448.	0.7	1
85	Normative Reference of the Single Leg, Medial Countermovement Jump in Adolescent Youth Ice Hockey Players. Sports, 2021, 9, 105.	0.7	1
86	Purposeful Heading Performed by Female Youth Soccer Players Leads to Strain Development in Deep Brain Structures. Neurotrauma Reports, 2021, 2, 354-362.	0.5	1
87	The Effects of Plyometric Warm-up on Lower Limb Muscle Activity and Time to 10m in the Backstroke Swimming Start. International Journal of Human Movement and Sports Sciences, 2018, 6, 55-62.	0.1	1
88	The Gluteus Medius Activation in Female Indoor Track Runners is Asymmetrical and May be Related to Injury Risk. Diabetes Research (Fairfax, Va), 2015, 1, 27-34.	0.1	1
89	Exercise Acutely Improves Dynamic Balance in Individuals with Unilateral Knee Osteoarthritis. International Journal of Human Movement and Sports Sciences, 2019, 7, 5-11.	0.1	1
90	Stimulation of myofascial trigger points causes systematic physiological effects. Journal of the Canadian Chiropractic Association, 2005, 49, 75.	0.2	1

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91	Whole-Body Vibration Sensor Calibration Using a Six-Degree of Freedom Robot. Advances in Acoustics and Vibration, 2011, 2011, 1-7.	0.5	0
92	Validity and reliability of the Balance Tracking System during feet together stance: Letter to the Editor â€“ Center of pressure excursion (path length) and mean velocity should show identical trends. Measurement: Journal of the International Measurement Confederation, 2021, 168, 108149.	2.5	0