Adam W Kiefer

List of Publications by Year
in descending order

77 papers	1,823 citations	257429 24 h-index	289230 40 g-index
83 all docs	83 docs citations	83 times ranked	1752 citing authors

#	Article	IF	Citations
1	The relationship between resilience and neurophysiological stress in Special Operations Forces combat service members. European Journal of Neuroscience, 2022, 55, 2804-2812.	2.6	1
2	Cueing Changes in Peak Vertical Ground Reaction Force to Improve Coordination Dynamics in Walking. Journal of Motor Behavior, 2022, 54, 125-134.	0.9	3
3	The Intelligent Phenotypic Plasticity Platform (IP3) for Precision Medicine-Based Injury Prevention in Sport. Methods in Molecular Biology, 2022, 2393, 877-903.	0.9	4
4	Abstract P024: Associations Between Carotid-femoral And Estimated Pulse Wave Velocity In Older Adults: The Atherosclerosis Risk In Communities (ARIC) Study. Circulation, 2021, 143, .	1.6	0
5	Postural control development from late childhood through young adulthood. Gait and Posture, 2021, 86, 169-173.	1.4	6
6	Combining Inertial Sensors and Machine Learning to Predict vGRF and Knee Biomechanics during a Double Limb Jump Landing Task. Sensors, 2021, 21, 4383.	3.8	13
7	Multi-Camera Portable Markerless Motion Capture System Accurately Captures Lower Limb Kinematics During Functional Tasks. Medicine and Science in Sports and Exercise, 2021, 53, 176-176.	0.4	0
8	Predicting Posttraumatic Osteoarthritis Related-symptomology Using Serum Biomarkers: A Novel Explainable Machine Learning Modeling Approach. Medicine and Science in Sports and Exercise, 2021, 53, 114-114.	0.4	0
9	The Effect of Navigation Demand on Decision Making in a Dynamic, Sport-Inspired Virtual Environment. Journal of Sport and Exercise Psychology, 2021, 43, 375-386.	1.2	3
10	A SWOT Analysis of Portable and Low-Cost Markerless Motion Capture Systems to Assess Lower-Limb Musculoskeletal Kinematics in Sport. Frontiers in Sports and Active Living, 2021, 3, 809898.	1.8	13
11	High-Risk Lower-Extremity Biomechanics Evaluated in Simulated Soccer-Specific Virtual Environments. Journal of Sport Rehabilitation, 2020, 29, 294-300.	1.0	20
12	Complexity in Science Learning: Measuring the Underlying Dynamics of Persistent Mistakes. Journal of Experimental Education, 2020, 88, 448-469.	2.6	10
13	From the field of play to the laboratory: Recreating the demands of competition with augmented reality simulated sport. Journal of Sports Sciences, 2020, 38, 486-493.	2.0	15
14	Biofeedback augmenting lower limb loading alters the underlying temporal structure of gait following anterior cruciate ligament reconstruction. Human Movement Science, 2020, 73, 102685.	1.4	6
15	Developing a Profile of Procedural Expertise. Simulation in Healthcare, 2020, 15, 251-258.	1.2	1
16	Antifragility in Climbing: Determining Optimal Stress Loads for Athletic Performance Training. Frontiers in Psychology, 2020, 11, 272.	2.1	12
17	Realâ€time biofeedback integrated into neuromuscular training reduces highâ€risk knee biomechanics and increases functional brain connectivity: A preliminary longitudinal investigation. Psychophysiology, 2020, 57, e13545.	2.4	25
18	Electrocortical dynamics differentiate athletes exhibiting lowâ€and highâ€ACL injury risk biomechanics. Psychophysiology, 2020, 57, e13530.	2.4	15

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19	Differentiating Successful and Unsuccessful Single-Leg Drop Landing Performance Using Uncontrolled Manifold Analysis. Motor Control, 2020, 24, 75-90.	0.6	5
20	Decreased Loading During Gait Alters Intralimb Coordination In Anterior Cruciate Ligament Reconstructed Individuals. Medicine and Science in Sports and Exercise, 2020, 52, 246-246.	0.4	1
21	Predicting Protracted Concussion Recovery To Inform Proactive Care: A Genetic Fuzzy Machine Learning Approach. Medicine and Science in Sports and Exercise, 2020, 52, 785-785.	0.4	1
22	A Technical Report on the Development of a Real-Time Visual Biofeedback System to Optimize Motor Learning and Movement Deficit Correction. Journal of Sports Science and Medicine, 2020, 19, 84-94.	1.6	15
23	Injury Risk Factors Integrated Into Self-Guided Real-Time Biofeedback Improves High-Risk Biomechanics. Journal of Sport Rehabilitation, 2019, 28, 831-839.	1.0	16
24	Joint Angle Variation in Intentional Sit-to-Stand Transitions. IFAC-PapersOnLine, 2019, 51, 214-219.	0.9	0
25	Evaluating Patient Reported Outcomes in a Pediatric Sports Medicine Practice: A Look at the FAAM. Medicine and Science in Sports and Exercise, 2019, 51, 590-590.	0.4	0
26	The Effect of School Socioeconomic Status and Sport on Adolescent Athletesâ€™ Baseline Concussion Assessment. Medicine and Science in Sports and Exercise, 2019, 51, 412-413.	0.4	0
27	â€˜Whatâ€™s my risk of sustaining an ACL injury while playing football (soccer)?â€™ A systematic review with meta-analysis. British Journal of Sports Medicine, 2019, 53, 1333-1340.	6.7	50
28	The Performance of Adolescent Athletes on Baseline Concussion Assessments. Medicine and Science in Sports and Exercise, 2019, 51, 741-741.	0.4	0
29	Brain-Behavior Mechanisms for the Transfer of Neuromuscular Training Adaptions to Simulated Sport: Initial Findings From the Train the Brain Project. Journal of Sport Rehabilitation, 2018, 27, 1-5.	1.0	36
30	Less efficient oculomotor performance is associated with increased incidence of head impacts in high school ice hockey. Journal of Science and Medicine in Sport, 2018, 21, 4-9.	1.3	12
31	Nonlinear Dynamical Systems and Humanistic Psychology. Journal of Humanistic Psychology, 2018, 58, 343-366.	2.1	16
32	A jugular vein compression collar prevents alterations of endogenous electrocortical dynamics following blast exposure during special weapons and tactical (SWAT) breacher training. Experimental Brain Research, 2018, 236, 2691-2701.	1.5	14
33	Longer Fixation Times During Reading Are Correlated With Decreased Connectivity in Cognitiveâ€Control Brain Regions During Rest in Children. Mind, Brain, and Education, 2018, 12, 49-60.	1.9	4
34	Age-Dependent Patellofemoral Pain: Hip and Knee Risk Landing Profiles in Prepubescent and Postpubescent Female Athletes. American Journal of Sports Medicine, 2018, 46, 2761-2771.	4.2	18
35	Antifragility in sport: Leveraging adversity to enhance performance.. Sport, Exercise, and Performance Psychology, 2018, 7, 342-350.	0.8	25
36	Quantification and analysis of saccadic and smooth pursuit eye movements and fixations to detect oculomotor deficits. Behavior Research Methods, 2017, 49, 258-266.	4.0	43

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37	Neck Collar with Mild Jugular Vein Compression Ameliorates Brain Activation Changes during a Working Memory Task after a Season of High School Football. Journal of Neurotrauma, 2017, 34, 2432-2444.	3.4	20
38	Modifying Anterior Cruciate Ligament Injury Risk Factors in Female Athletes Through Real-Time Biofeedback. Medicine and Science in Sports and Exercise, 2017, 49, 308.	0.4	0
39	Control Strategy for an Assistive Exoskeleton for Sit-to-Stand Transition. , 2017, , .		1
40	Sensorimotor Cortex Neuroplasticity Following Neuromuscular Training Augmented With Real Time Biofeedback. Medicine and Science in Sports and Exercise, 2017, 49, 1035-1036.	0.4	0
41	Sport-specific virtual reality to identify profiles of anterior cruciate ligament injury risk during unanticipated cutting. , 2017, , .		5
42	The Stance Leads the Dance: The Emergence of Role in a Joint Supra-Postural Task. Frontiers in Psychology, 2017, 8, 718.	2.1	14
43	Quantifying and Modeling Coordination and Coherence in Pedestrian Groups. Frontiers in Psychology, 2017, 8, 949.	2.1	5
44	Virtual Reality As a Training Tool to Treat Physical Inactivity in Children. Frontiers in Public Health, 2017, 5, 349.	2.7	6
45	The Effects of External Jugular Compression Applied during Head Impact Exposure on Longitudinal Changes in Brain Neuroanatomical and Neurophysiological Biomarkers: A Preliminary Investigation. Frontiers in Neurology, 2016, 7, 74.	2.4	58
46	Integrative Neuromuscular Training and Injury Prevention in Youth Athletes. Part I. Strength and Conditioning Journal, 2016, 38, 36-48.	1.4	34
47	Accumulated G-Forces Sustained During Hockey Correlate With Changes In Brain Network Activation Score. Medicine and Science in Sports and Exercise, 2016, 48, 653.	0.4	0
48	Analysis of head impact exposure and brain microstructure response in a season-long application of a jugular vein compression collar: a prospective, neuroimaging investigation in American football. British Journal of Sports Medicine, 2016, 50, 1276-1285.	6.7	68
49	Resistance Training for Pediatric Female Dancers. Journal of Dance Medicine and Science, 2016, 20, 64-71.	0.7	12
50	Sports Specialization, Part II. Sports Health, 2016, 8, 65-73.	2.7	178
51	Accumulated G-Forces Sustained During Hockey Correlate With Changes In Brain Network Activation Score. Medicine and Science in Sports and Exercise, 2016, 48, 629.	0.4	0
52	Reliability of 3-Dimensional Measures of Single-Leg Drop Landing Across 3 Institutions: Implications for Multicenter Research for Secondary ACL-Injury Prevention. Journal of Sport Rehabilitation, 2015, 24, 198-209.	1.0	28
53	A Preliminary Analysis Of Functional Reaction Time Assessment To Identify The Antifragile Athlete. Medicine and Science in Sports and Exercise, 2015, 47, 664.	0.4	0
54	Postconcussion Postural Sway Variability Changes in Youth. Pediatric Physical Therapy, 2015, 27, 316-327.	0.6	41

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55	Training the Developing Brain Part II. Current Sports Medicine Reports, 2015, 14, 235-243.	1.2	24
56	Longitudinal Increases in Knee Abduction Moments in Females during Adolescent Growth. Medicine and Science in Sports and Exercise, 2015, 47, 2579-2585.	0.4	75
57	Brain Network Activation as a Novel Biomarker for the Return-to-Play Pathway Following Sport-Related Brain Injury. Frontiers in Neurology, 2015, 6, 243.	2.4	16
58	Reliability of 3-Dimensional Measures of Single-Leg Cross Drop Landing Across 3 Different Institutions. Orthopaedic Journal of Sports Medicine, 2015, 3, 232596711561790.	1.7	9
59	Neuromuscular asymmetries in the lower limbs of elite female youth basketball players and the application of the skillful limb model of comparison. Physical Therapy in Sport, 2015, 16, 317-323.	1.9	40
60	Interpretation of postural control may change due to data processing techniques. Gait and Posture, 2015, 41, 731-735.	1.4	54
61	Prospectively identified deficits in sagittal plane hipâ€"ankle coordination in female athletes who sustain a second anterior cruciate ligament injury after anterior cruciate ligament reconstruction and return to sport. Clinical Biomechanics, 2015, 30, 1094-1101.	1.2	54
62	Sport Specialization, Part I. Sports Health, 2015, 7, 437-442.	2.7	262
63	Training the Antifragile Athlete: A Preliminary Analysis of Neuromuscular Training Effects on Muscle Activation Dynamics. Nonlinear Dynamics, Psychology, and Life Sciences, 2015, 19, 489-510.	0.2	13
64	Fractal Gait Patterns Are Retained after Entrainment to a Fractal Stimulus. PLoS ONE, 2014, 9, e106755.	2.5	35
65	Train the Brain: Novel Electroencephalography Data Indicate Links between Motor Learning and Brain Adaptations. Journal of Novel Physiotherapies, 2014, 04, .	0.1	8
66	A new measure of the CoP trajectory in postural sway: Dynamics of heading change. Medical Engineering and Physics, 2014, 36, 1473-1479.	1.7	36
67	Rates of Concussion Are Lower in National Football League Games Played at Higher Altitudes. Journal of Orthopaedic and Sports Physical Therapy, 2014, 44, 164-172.	3.5	40
68	Entrainment to a real time fractal visual stimulus modulates fractal gait dynamics. Human Movement Science, 2014, 36, 20-34.	1.4	59
69	Development of coordination in time estimation.. Developmental Psychology, 2014, 50, 393-401.	1.6	6
70	Retaining fractal gait patterns learned in virtual environments. , 2013, , .		2
71	Inter-segmental postural coordination measures differentiate athletes with ACL reconstruction from uninjured athletes. Gait and Posture, 2013, 37, 149-153.	1.4	28
72	Lower-limb Proprioceptive Awareness in Professional Ballet Dancers. Journal of Dance Medicine and Science, 2013, 17, 126-132.	0.7	31

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73	Training the Developing Brain, Part I. Current Sports Medicine Reports, 2013, 12, 304-310.	1.2	40
74	VR-Based Assessment and Rehabilitation of Functional Mobility. , 2013, , 333-350.		7
75	The interplay between posture control and memory for spatial locations. Experimental Brain Research, 2012, 217, 43-52.	1.5	18
76	Multi-segmental postural coordination in professional ballet dancers. Gait and Posture, 2011, 34, 76-80.	1.4	49
77	Walking changes the dynamics of cognitive estimates of time intervals.. Journal of Experimental Psychology: Human Perception and Performance, 2009, 35, 1532-1541.	0.9	34