

# Adam W Kiefer

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9198557/publications.pdf>

Version: 2024-02-01

77  
papers

1,823  
citations

293460

24  
h-index

325983

40  
g-index

83  
all docs

83  
docs citations

83  
times ranked

1900  
citing authors

#	ARTICLE	IF	CITATIONS
1	The relationship between resilience and neurophysiological stress in Special Operations Forces combat service members. <i>European Journal of Neuroscience</i> , 2022, 55, 2804-2812.	1.2	1
2	Cueing Changes in Peak Vertical Ground Reaction Force to Improve Coordination Dynamics in Walking. <i>Journal of Motor Behavior</i> , 2022, 54, 125-134.	0.5	3
3	The Intelligent Phenotypic Plasticity Platform (IP3) for Precision Medicine-Based Injury Prevention in Sport. <i>Methods in Molecular Biology</i> , 2022, 2393, 877-903.	0.4	4
4	Abstract P024: Associations Between Carotid-femoral And Estimated Pulse Wave Velocity In Older Adults: The Atherosclerosis Risk In Communities (ARIC) Study. <i>Circulation</i> , 2021, 143, .	1.6	0
5	Postural control development from late childhood through young adulthood. <i>Gait and Posture</i> , 2021, 86, 169-173.	0.6	6
6	Combining Inertial Sensors and Machine Learning to Predict vGRF and Knee Biomechanics during a Double Limb Jump Landing Task. <i>Sensors</i> , 2021, 21, 4383.	2.1	13
7	Multi-Camera Portable Markerless Motion Capture System Accurately Captures Lower Limb Kinematics During Functional Tasks. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 176-176.	0.2	0
8	Predicting Posttraumatic Osteoarthritis Related-symptomology Using Serum Biomarkers: A Novel Explainable Machine Learning Modeling Approach. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 114-114.	0.2	0
9	The Effect of Navigation Demand on Decision Making in a Dynamic, Sport-Inspired Virtual Environment. <i>Journal of Sport and Exercise Psychology</i> , 2021, 43, 375-386.	0.7	3
10	A SWOT Analysis of Portable and Low-Cost Markerless Motion Capture Systems to Assess Lower-Limb Musculoskeletal Kinematics in Sport. <i>Frontiers in Sports and Active Living</i> , 2021, 3, 809898.	0.9	13
11	High-Risk Lower-Extremity Biomechanics Evaluated in Simulated Soccer-Specific Virtual Environments. <i>Journal of Sport Rehabilitation</i> , 2020, 29, 294-300.	0.4	20
12	Complexity in Science Learning: Measuring the Underlying Dynamics of Persistent Mistakes. <i>Journal of Experimental Education</i> , 2020, 88, 448-469.	1.6	10
13	From the field of play to the laboratory: Recreating the demands of competition with augmented reality simulated sport. <i>Journal of Sports Sciences</i> , 2020, 38, 486-493.	1.0	15
14	Biofeedback augmenting lower limb loading alters the underlying temporal structure of gait following anterior cruciate ligament reconstruction. <i>Human Movement Science</i> , 2020, 73, 102685.	0.6	6
15	Developing a Profile of Procedural Expertise. <i>Simulation in Healthcare</i> , 2020, 15, 251-258.	0.7	1
16	Antifragility in Climbing: Determining Optimal Stress Loads for Athletic Performance Training. <i>Frontiers in Psychology</i> , 2020, 11, 272.	1.1	12
17	Real-time biofeedback integrated into neuromuscular training reduces high-risk knee biomechanics and increases functional brain connectivity: A preliminary longitudinal investigation. <i>Psychophysiology</i> , 2020, 57, e13545.	1.2	25
18	Electrocortical dynamics differentiate athletes exhibiting low- and high-ACL injury risk biomechanics. <i>Psychophysiology</i> , 2020, 57, e13530.	1.2	15

#	ARTICLE	IF	CITATIONS
19	Differentiating Successful and Unsuccessful Single-Leg Drop Landing Performance Using Uncontrolled Manifold Analysis. <i>Motor Control</i> , 2020, 24, 75-90.	0.3	5
20	Decreased Loading During Gait Alters Intralimb Coordination In Anterior Cruciate Ligament Reconstructed Individuals. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 246-246.	0.2	1
21	Predicting Protracted Concussion Recovery To Inform Proactive Care: A Genetic Fuzzy Machine Learning Approach. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 785-785.	0.2	1
22	A Technical Report on the Development of a Real-Time Visual Biofeedback System to Optimize Motor Learning and Movement Deficit Correction. <i>Journal of Sports Science and Medicine</i> , 2020, 19, 84-94.	0.7	15
23	Injury Risk Factors Integrated Into Self-Guided Real-Time Biofeedback Improves High-Risk Biomechanics. <i>Journal of Sport Rehabilitation</i> , 2019, 28, 831-839.	0.4	16
24	Joint Angle Variation in Intentional Sit-to-Stand Transitions. <i>IFAC-PapersOnLine</i> , 2019, 51, 214-219.	0.5	0
25	Evaluating Patient Reported Outcomes in a Pediatric Sports Medicine Practice: A Look at the FAAM. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 590-590.	0.2	0
26	The Effect of School Socioeconomic Status and Sport on Adolescent Athletes' Baseline Concussion Assessment. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 412-413.	0.2	0
27	"What's my risk of sustaining an ACL injury while playing football (soccer)?" A systematic review with meta-analysis. <i>British Journal of Sports Medicine</i> , 2019, 53, 1333-1340.	3.1	50
28	The Performance of Adolescent Athletes on Baseline Concussion Assessments. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 741-741.	0.2	0
29	Brain-Behavior Mechanisms for the Transfer of Neuromuscular Training Adaptions to Simulated Sport: Initial Findings From the Train the Brain Project. <i>Journal of Sport Rehabilitation</i> , 2018, 27, 1-5.	0.4	36
30	Less efficient oculomotor performance is associated with increased incidence of head impacts in high school ice hockey. <i>Journal of Science and Medicine in Sport</i> , 2018, 21, 4-9.	0.6	12
31	Nonlinear Dynamical Systems and Humanistic Psychology. <i>Journal of Humanistic Psychology</i> , 2018, 58, 343-366.	1.4	16
32	A jugular vein compression collar prevents alterations of endogenous electrocortical dynamics following blast exposure during special weapons and tactical (SWAT) breacher training. <i>Experimental Brain Research</i> , 2018, 236, 2691-2701.	0.7	14
33	Longer Fixation Times During Reading Are Correlated With Decreased Connectivity in Cognitive-Control Brain Regions During Rest in Children. <i>Mind, Brain, and Education</i> , 2018, 12, 49-60.	0.9	4
34	Age-Dependent Patellofemoral Pain: Hip and Knee Risk Landing Profiles in Prepubescent and Postpubescent Female Athletes. <i>American Journal of Sports Medicine</i> , 2018, 46, 2761-2771.	1.9	18
35	Antifragility in sport: Leveraging adversity to enhance performance.. <i>Sport, Exercise, and Performance Psychology</i> , 2018, 7, 342-350.	0.6	25
36	Quantification and analysis of saccadic and smooth pursuit eye movements and fixations to detect oculomotor deficits. <i>Behavior Research Methods</i> , 2017, 49, 258-266.	2.3	43

#	ARTICLE	IF	CITATIONS
37	Neck Collar with Mild Jugular Vein Compression Ameliorates Brain Activation Changes during a Working Memory Task after a Season of High School Football. <i>Journal of Neurotrauma</i> , 2017, 34, 2432-2444.	1.7	20
38	Modifying Anterior Cruciate Ligament Injury Risk Factors in Female Athletes Through Real-Time Biofeedback. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 308.	0.2	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. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 1035-1036.	0.2	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. <i>Frontiers in Psychology</i> , 2017, 8, 718.	1.1	14
43	Quantifying and Modeling Coordination and Coherence in Pedestrian Groups. <i>Frontiers in Psychology</i> , 2017, 8, 949.	1.1	5
44	Virtual Reality As a Training Tool to Treat Physical Inactivity in Children. <i>Frontiers in Public Health</i> , 2017, 5, 349.	1.3	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. <i>Frontiers in Neurology</i> , 2016, 7, 74.	1.1	58
46	Integrative Neuromuscular Training and Injury Prevention in Youth Athletes. Part I. Strength and Conditioning <i>Journal</i> , 2016, 38, 36-48.	0.7	34
47	Accumulated G-Forces Sustained During Hockey Correlate With Changes In Brain Network Activation Score. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 653.	0.2	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. <i>British Journal of Sports Medicine</i> , 2016, 50, 1276-1285.	3.1	68
49	Resistance Training for Pediatric Female Dancers. <i>Journal of Dance Medicine and Science</i> , 2016, 20, 64-71.	0.2	12
50	Sports Specialization, Part II. <i>Sports Health</i> , 2016, 8, 65-73.	1.3	178
51	Accumulated G-Forces Sustained During Hockey Correlate With Changes In Brain Network Activation Score. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 629.	0.2	0
52	Reliability of 3-Dimensional Measures of Single-Leg Drop Landing Across 3 Institutions: Implications for Multicenter Research for Secondary ACL-Injury Prevention. <i>Journal of Sport Rehabilitation</i> , 2015, 24, 198-209.	0.4	28
53	A Preliminary Analysis Of Functional Reaction Time Assessment To Identify The Antifragile Athlete. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 664.	0.2	0
54	Postconcussion Postural Sway Variability Changes in Youth. <i>Pediatric Physical Therapy</i> , 2015, 27, 316-327.	0.3	41

#	ARTICLE	IF	CITATIONS
55	Training the Developing Brain Part II. Current Sports Medicine Reports, 2015, 14, 235-243.	0.5	24
56	Longitudinal Increases in Knee Abduction Moments in Females during Adolescent Growth. Medicine and Science in Sports and Exercise, 2015, 47, 2579-2585.	0.2	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.	1.1	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.	0.8	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.	0.8	40
60	Interpretation of postural control may change due to data processing techniques. Gait and Posture, 2015, 41, 731-735.	0.6	54
61	Prospectively identified deficits in sagittal plane hip-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.	0.5	54
62	Sport Specialization, Part I. Sports Health, 2015, 7, 437-442.	1.3	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.	1.1	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.	0.8	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.	1.7	40
68	Entrainment to a real time fractal visual stimulus modulates fractal gait dynamics. Human Movement Science, 2014, 36, 20-34.	0.6	59
69	Development of coordination in time estimation.. Developmental Psychology, 2014, 50, 393-401.	1.2	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.	0.6	28
72	Lower-limb Proprioceptive Awareness in Professional Ballet Dancers. Journal of Dance Medicine and Science, 2013, 17, 126-132.	0.2	31

#	ARTICLE	IF	CITATIONS
73	Training the Developing Brain, Part I. Current Sports Medicine Reports, 2013, 12, 304-310.	0.5	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.	0.7	18
76	Multi-segmental postural coordination in professional ballet dancers. Gait and Posture, 2011, 34, 76-80.	0.6	49
77	Walking changes the dynamics of cognitive estimates of time intervals.. Journal of Experimental Psychology: Human Perception and Performance, 2009, 35, 1532-1541.	0.7	34