

Jaroslav Harezlak

List of Publications by Year in descending order

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Version: 2024-02-01

140
papers

5,907
citations

76326

40
h-index

88630

70
g-index

147
all docs

147
docs citations

147
times ranked

7093
citing authors

#	ARTICLE	IF	CITATIONS
1	ADHD May Associate With Reduced Tolerance to Acute Subconcussive Head Impacts: A Pilot Case-Control Intervention Study. <i>Journal of Attention Disorders</i> , 2022, 26, 125-139.	2.6	9
2	Association Between Preseason/Regular Season Head Impact Exposure and Concussion Incidence in NCAA Football. <i>Medicine and Science in Sports and Exercise</i> , 2022, Publish Ahead of Print, .	0.4	6
3	Effects of a Gamified, Behavior Change Technique-Based Mobile App on Increasing Physical Activity and Reducing Anxiety in Adults With Autism Spectrum Disorder: Feasibility Randomized Controlled Trial. <i>JMIR Formative Research</i> , 2022, 6, e35701.	1.4	3
4	Effects of White-Matter Tract Length in Sport-Related Concussion: A Tractography Study from the NCAA-DoD CARE Consortium. <i>Journal of Neurotrauma</i> , 2022, 39, 1495-1506.	3.4	2
5	Tau-related white-matter alterations along spatially selective pathways. <i>NeuroImage</i> , 2021, 226, 117560.	4.2	30
6	Prospective study of the association between sport-related concussion and brain morphometry (3T-MRI) in collegiate athletes: study from the NCAA-DoD CARE Consortium. <i>British Journal of Sports Medicine</i> , 2021, 55, 169-174.	6.7	9
7	Adaptive empirical pattern transformation (ADEPT) with application to walking stride segmentation. <i>Biostatistics</i> , 2021, 22, 331-347.	1.5	15
8	Brain responses during delay discounting in youth at high-risk for substance use disorders. <i>NeuroImage: Clinical</i> , 2021, 32, 102772.	2.7	4
9	Connectivity-informed adaptive regularization for generalized outcomes. <i>Canadian Journal of Statistics</i> , 2021, 49, 203-227.	0.9	1
10	Assessment of Blood Biomarker Profile After Acute Concussion During Combative Training Among US Military Cadets. <i>JAMA Network Open</i> , 2021, 4, e2037731.	5.9	25
11	Profiles of Accelerometry-Derived Physical Activity Are Related to Perceived Physical Fatigability in Older Adults. <i>Sensors</i> , 2021, 21, 1718.	3.8	2
12	Opportunities for Prevention of Concussion and Repetitive Head Impact Exposure in College Football Players. <i>JAMA Neurology</i> , 2021, 78, 346.	9.0	28
13	Toward an information theoretical description of communication in brain networks. <i>Network Neuroscience</i> , 2021, 5, 1-20.	2.6	15
14	Monitoring Gait Complexity as an Indicator for Running-Related Injury Risk in Collegiate Cross-Country Runners: A Proof-of-Concept Study. <i>Frontiers in Sports and Active Living</i> , 2021, 3, 630975.	1.8	4
15	Geodesic Distance on Optimally Regularized Functional Connectomes Uncovers Individual Fingerprints. <i>Brain Connectivity</i> , 2021, 11, 333-348.	1.7	15
16	Association of Immunosuppression and Viral Load With Subcortical Brain Volume in an International Sample of People Living With HIV. <i>JAMA Network Open</i> , 2021, 4, e2031190.	5.9	16
17	CARL: a running recognition algorithm for free-living accelerometer data. <i>Physiological Measurement</i> , 2021, 42, 115001.	2.1	6
18	Return to play and risk of repeat concussion in collegiate football players: comparative analysis from the NCAA Concussion Study (1999-2001) and CARE Consortium (2014-2017). <i>British Journal of Sports Medicine</i> , 2020, 54, 102-109.	6.7	73

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19	Resting-State fMRI Metrics in Acute Sport-Related Concussion and Their Association with Clinical Recovery: A Study from the NCAA-DoD CARE Consortium. <i>Journal of Neurotrauma</i> , 2020, 37, 152-162.	3.4	40
20	The disengaging brain: Dynamic transitions from cognitive engagement and alcoholism risk. <i>NeuroImage</i> , 2020, 209, 116515.	4.2	16
21	Bundle analytics, a computational framework for investigating the shapes and profiles of brain pathways across populations. <i>Scientific Reports</i> , 2020, 10, 17149.	3.3	57
22	Longitudinal white-matter abnormalities in sports-related concussion. <i>Neurology</i> , 2020, 95, e781-e792.	1.1	47
23	Use of Functional Linear Models to Detect Associations between Characteristics of Walking and Continuous Responses Using Accelerometry Data. <i>Sensors</i> , 2020, 20, 6394.	3.8	1
24	Do Head Injury Biomechanics Predict Concussion Clinical Recovery in College American Football Players?. <i>Annals of Biomedical Engineering</i> , 2020, 48, 2555-2565.	2.5	18
25	Cumulative Effects of Prior Concussion and Primary Sport Participation on Brain Morphometry in Collegiate Athletes: A Study From the NCAA-DoD CARE Consortium. <i>Frontiers in Neurology</i> , 2020, 11, 673.	2.4	16
26	GEFF: Graph embedding for functional fingerprinting. <i>NeuroImage</i> , 2020, 221, 117181.	4.2	28
27	Head Impact Exposure in College Football after a Reduction in Preseason Practices. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 1629-1638.	0.4	25
28	Concussion Risk Between Individual Football Players: Survival Analysis of Recurrent Events and Non-events. <i>Annals of Biomedical Engineering</i> , 2020, 48, 2626-2638.	2.5	9
29	Plasma Biomarker Concentrations Associated With Return to Sport Following Sport-Related Concussion in Collegiate Athletes—A Concussion Assessment, Research, and Education (CARE) Consortium Study. <i>JAMA Network Open</i> , 2020, 3, e2013191.	5.9	32
30	PS-SiZer map to investigate significant features of body-weight profile changes in HIV infected patients in the leDEA Collaboration. <i>PLoS ONE</i> , 2020, 15, e0220165.	2.5	0
31	Classification of human physical activity based on raw accelerometry data via spherical coordinate transformation. <i>Statistics in Medicine</i> , 2020, 39, 2901-2920.	1.6	0
32	Association of Blood Biomarkers With Acute Sport-Related Concussion in Collegiate Athletes. <i>JAMA Network Open</i> , 2020, 3, e1919771.	5.9	116
33	Brain Perfusion Mediates the Relationship Between miRNA Levels and Postural Control. <i>Cerebral Cortex Communications</i> , 2020, 1, tgaa078.	1.6	5
34	Repetitive Head Impact Exposure in College Football Following an NCAA Rule Change to Eliminate Two-A-Day Preseason Practices: A Study from the NCAA-DoD CARE Consortium. <i>Annals of Biomedical Engineering</i> , 2019, 47, 2073-2085.	2.5	54
35	Editorial for the Special Issue "Medical Device Data: Challenges, Statistical Methods and Applications". <i>Statistics in Biosciences</i> , 2019, 11, 207-209.	1.2	0
36	The association between sleep duration and lipid profiles: the NHANES 2013-2014. <i>Journal of Diabetes and Metabolic Disorders</i> , 2019, 18, 315-322.	1.9	28

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37	Semiparametric Estimation of Task-Based Dynamic Functional Connectivity on the Population Level. <i>Frontiers in Neuroscience</i> , 2019, 13, 583.	2.8	2
38	Accounting for Variance in Concussion Tolerance Between Individuals: Comparing Head Accelerations Between Concussed and Physically Matched Control Subjects. <i>Annals of Biomedical Engineering</i> , 2019, 47, 2048-2056.	2.5	30
39	Acute Sport Concussion Assessment Optimization: A Prospective Assessment from the CARE Consortium. <i>Sports Medicine</i> , 2019, 49, 1977-1987.	6.5	51
40	Prevalence of Potentially Clinically Significant Magnetic Resonance Imaging Findings in Athletes with and without Sport-Related Concussion. <i>Journal of Neurotrauma</i> , 2019, 36, 1776-1785.	3.4	37
41	Factors Affecting Head Impact Exposure in College Football Practices: A Multi-Institutional Study. <i>Annals of Biomedical Engineering</i> , 2019, 47, 2086-2093.	2.5	37
42	White matter alterations in early-stage Alzheimer's disease: A tract-specific study. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 576-587.	2.4	50
43	Trends in binge drinking and alcohol abstinence among adolescents in the US, 2002-2016. <i>Drug and Alcohol Dependence</i> , 2019, 200, 115-123.	3.2	39
44	Differentiating Between Walking and Stair Climbing Using Raw Accelerometry Data. <i>Statistics in Biosciences</i> , 2019, 11, 334-354.	1.2	4
45	On Placement, Location and Orientation of Wrist-Worn Tri-Axial Accelerometers during Free-Living Measurements. <i>Sensors</i> , 2019, 19, 2095.	3.8	23
46	Progressive brain atrophy in chronically infected and treated HIV+ individuals. <i>Journal of NeuroVirology</i> , 2019, 25, 342-353.	2.1	26
47	Accelerometry Data in Health Research: Challenges and Opportunities. <i>Statistics in Biosciences</i> , 2019, 11, 210-237.	1.2	69
48	Comparison of Head Impact Exposure Between Concussed Football Athletes and Matched Controls: Evidence for a Possible Second Mechanism of Sport-Related Concussion. <i>Annals of Biomedical Engineering</i> , 2019, 47, 2057-2072.	2.5	65
49	Brain Connectivity-Informed Regularization Methods for Regression. <i>Statistics in Biosciences</i> , 2019, 11, 47-90.	1.2	7
50	Regression trees for longitudinal data with baseline covariates. <i>Biostatistics and Epidemiology</i> , 2019, 3, 1-22.	0.4	9
51	Detecting white matter alterations in multiple sclerosis using advanced diffusion magnetic resonance imaging. <i>Neural Regeneration Research</i> , 2019, 14, 114.	3.0	25
52	Baseline Performance of NCAA Athletes on a Concussion Assessment Battery: A Report from the CARE Consortium. <i>Sports Medicine</i> , 2018, 48, 1971-1985.	6.5	64
53	Prediction of sustained harmonic walking in the free-living environment using raw accelerometry data. <i>Physiological Measurement</i> , 2018, 39, 02NT02.	2.1	23
54	Validation of Gait Characteristics Extracted From Raw Accelerometry During Walking Against Measures of Physical Function, Mobility, Fatigability, and Fitness. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 676-681.	3.6	35

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55	Family history of alcoholism and the human brain response to oral sucrose. <i>NeuroImage: Clinical</i> , 2018, 17, 1036-1046.	2.7	18
56	Stability of MRI metrics in the advanced research core of the NCAA-DoD concussion assessment, research and education (CARE) consortium. <i>Brain Imaging and Behavior</i> , 2018, 12, 1121-1140.	2.1	22
57	Acute White-Matter Abnormalities in Sports-Related Concussion: A Diffusion Tensor Imaging Study from the NCAA-DoD CARE Consortium. <i>Journal of Neurotrauma</i> , 2018, 35, 2653-2664.	3.4	61
58	Correlation of Concussion Symptom Profile with Head Impact Biomechanics: A Case for Individual-Specific Injury Tolerance. <i>Journal of Neurotrauma</i> , 2018, 35, 681-690.	3.4	61
59	P3â€³96: WHITEâ€³MATTER MICROSTRUCTURE IN EARLY STAGE ALZHEIMER'S DISEASE. <i>Alzheimer's and Dementia</i> , 2018, 14, P1250.	0.8	0
60	ICâ€³Pâ€³172: WHITEâ€³MATTER MICROSTRUCTURE IN EARLY STAGE ALZHEIMER'S DISEASE. <i>Alzheimer's and Dementia</i> , 2018, 14, P144.	0.8	0
61	ICâ€³Pâ€³157: ALTERATIONS IN WHITEâ€³MATTER DIFFUSION METRICS IN PRECLINICAL ALZHEIMER'S DISEASE: A SUBJECTâ€³SPECIFIC ANALYSIS. <i>Alzheimer's and Dementia</i> , 2018, 14, P132.	0.8	0
62	P3â€³371: ALTERATIONS IN WHITEâ€³MATTER DIFFUSION METRICS IN PRECLINICAL ALZHEIMER'S DISEASE: A SUBJECTâ€³SPECIFIC ANALYSIS. <i>Alzheimer's and Dementia</i> , 2018, 14, P1232.	0.8	0
63	Semiparametric Regression with R. <i>Use R!</i> , 2018, , .	0.2	34
64	Hybrid Diffusion Imaging in Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2018, 35, 2377-2390.	3.4	41
65	Analysis of factors affecting the variability of a quantitative suspension bead array assay measuring IgG to multiple Plasmodium antigens. <i>PLoS ONE</i> , 2018, 13, e0199278.	2.5	16
66	RADVis: A Software Tool for the Visual Investigation of Raw Accelerometry Data. <i>Journal for the Measurement of Physical Behaviour</i> , 2018, 1, 191-196.	0.8	0
67	Stride variability measures derived from wrist- and hip-worn accelerometers. <i>Gait and Posture</i> , 2017, 52, 217-223.	1.4	19
68	Assessing uncertainty in dynamic functional connectivity. <i>NeuroImage</i> , 2017, 149, 165-177.	4.2	45
69	Distinct Helper T Cell Type 1 and 2 Responses Associated With Malaria Protection and Risk in RTS,S/AS01E Vaccinees. <i>Clinical Infectious Diseases</i> , 2017, 65, 746-755.	5.8	25
70	Autoregressive and crossâ€³lagged model for bivariate nonâ€³commensurate outcomes. <i>Statistics in Medicine</i> , 2017, 36, 3110-3120.	1.6	2
71	A National Study on the Effects of Concussion in Collegiate Athletes and US Military Service Academy Members: The NCAAâ€³DoD Concussion Assessment, Research and Education (CARE) Consortium Structure and Methods. <i>Sports Medicine</i> , 2017, 47, 1437-1451.	6.5	252
72	Adaptive penalties for generalized Tikhonov regularization in statistical regression models with application to spectroscopy data. <i>Journal of Chemometrics</i> , 2017, 31, e2850.	1.3	0

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73	Methylphenidate and Memory and Attention Adaptation Training for Persistent Cognitive Symptoms after Traumatic Brain Injury: A Randomized, Placebo-Controlled Trial. <i>Neuropsychopharmacology</i> , 2017, 42, 1766-1775.	5.4	43
74	[P4â€“224]: AXONAL DENSITY IS ASSOCIATED WITH SUBJECTIVE COGNITIVE DECLINE (SCD) IN OLDER ADULTS ASSESSED USING THE COGNITIVE CHANGE INDEX. <i>Alzheimer's and Dementia</i> , 2017, 13, P1355.	0.8	0
75	[ICâ€“02â€“04]: AXONAL DENSITY IS ASSOCIATED WITH SUBJECTIVE COGNITIVE DECLINE (SCD) IN OLDER ADULTS ASSESSED USING THE COGNITIVE CHANGE INDEX. <i>Alzheimer's and Dementia</i> , 2017, 13, P6.	0.8	0
76	RTS,S/AS01E Malaria Vaccine Induces Memory and Polyfunctional T Cell Responses in a Pediatric African Phase III Trial. <i>Frontiers in Immunology</i> , 2017, 8, 1008.	4.8	34
77	drLumi: An open-source package to manage data, calibrate, and conduct quality control of multiplex bead-based immunoassays data analysis. <i>PLoS ONE</i> , 2017, 12, e0187901.	2.5	25
78	Condom Use as a Function of Number of Coital Events in New Relationships. <i>Sexually Transmitted Diseases</i> , 2016, 43, 67-70.	1.7	15
79	Longitudinal functional models with structured penalties. <i>Statistical Modelling</i> , 2016, 16, 114-139.	1.1	9
80	Corticostriatal and Dopaminergic Response to Beer Flavor with Both fMRI and [¹¹ C]raclopride Positron Emission Tomography. <i>Alcoholism: Clinical and Experimental Research</i> , 2016, 40, 1865-1873.	2.4	25
81	Automatic car driving detection using raw accelerometry data. <i>Physiological Measurement</i> , 2016, 37, 1757-1769.	2.1	18
82	Daily physical activity patterns from hip- and wrist-worn accelerometers. <i>Physiological Measurement</i> , 2016, 37, 1852-1861.	2.1	36
83	Age effects and sex differences in human brain white matter of young to middle-aged adults: A DTI, NODDI, and q-space study. <i>NeuroImage</i> , 2016, 128, 180-192.	4.2	154
84	Responses to Bacteria, Virus, and Malaria Distinguish the Etiology of Pediatric Clinical Pneumonia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 448-459.	5.6	42
85	Plasma and Cerebrospinal Fluid Biomarkers Predict Cerebral Injury in HIV-Infected Individuals on Stable Combination Antiretroviral Therapy. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2015, 69, 29-35.	2.1	55
86	The apÃ©ritif effect: Alcohol's effects on the brain's response to food aromas in women. <i>Obesity</i> , 2015, 23, 1386-1393.	3.0	12
87	Identification of seizure onset zone and preictal state based on characteristics of high frequency oscillations. <i>Clinical Neurophysiology</i> , 2015, 126, 1505-1513.	1.5	79
88	Vulnerability of welders to manganese exposure â€“ A neuroimaging study. <i>NeuroToxicology</i> , 2014, 45, 285-292.	3.0	85
89	Ictal propagation of high frequency activity is recapitulated in interictal recordings: Effective connectivity of epileptogenic networks recorded with intracranial EEG. <i>NeuroImage</i> , 2014, 101, 96-113.	4.2	66
90	Predictors of CNS injury as measured by proton magnetic resonance spectroscopy in the setting of chronic HIV infection and CART. <i>Journal of NeuroVirology</i> , 2014, 20, 294-303.	2.1	36

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91	Progressive cerebral injury in the setting of chronic HIV infection and antiretroviral therapy. Journal of NeuroVirology, 2013, 19, 209-218.	2.1	71
92	Patterns of white matter injury in HIV infection after partial immune reconstitution: a DTI tract-based spatial statistics study. Journal of NeuroVirology, 2013, 19, 10-23.	2.1	79
93	Family history of alcoholism interacts with alcohol to affect brain regions involved in behavioral inhibition. Psychopharmacology, 2013, 228, 335-345.	3.1	39
94	Neurochemical abnormalities in unmedicated bipolar depression and mania: A 2D 1H MRS investigation. Psychiatry Research - Neuroimaging, 2013, 213, 235-241.	1.8	66
95	Disrupted cerebral metabolite levels and lower nadir CD4+ counts are linked to brain volume deficits in 210 HIV-infected patients on stable treatment. NeuroImage: Clinical, 2013, 3, 132-142.	2.7	57
96	Insurance Status of Urban Detained Adolescents. Journal of Correctional Health Care, 2012, 18, 274-284.	0.5	4
97	Timing of Incident STI Relative to Sex Partner Change in Young Women. Sexually Transmitted Diseases, 2012, 39, 747-749.	1.7	1
98	Structured penalties for functional linear models—partially empirical eigenvectors for regression. Electronic Journal of Statistics, 2012, 6, 323-353.	0.7	24
99	The Consequences of Juvenile Detention Reform for Mental Health and Sexually Transmitted Infection Screening Among Detained Youth. Journal of Adolescent Health, 2012, 50, 365-370.	2.5	4
100	The feasibility of cell phone based electronic diaries for STI/HIV research. BMC Medical Research Methodology, 2012, 12, 75.	3.1	46
101	<i>In Vivo</i> Measurement of Brain GABA Concentrations by Magnetic Resonance Spectroscopy in Smelters Occupationally Exposed to Manganese. Environmental Health Perspectives, 2011, 119, 219-224.	6.0	130
102	Mental Health Screening and STI Among Detained Youth. Journal of Community Health, 2011, 36, 300-306.	3.8	11
103	Regional areas and widths of the midsagittal corpus callosum among HIV-infected patients on stable antiretroviral therapies. Journal of NeuroVirology, 2011, 17, 368-379.	2.1	40
104	Persistence of HIV-associated cognitive impairment, inflammation, and neuronal injury in era of highly active antiretroviral treatment. Aids, 2011, 25, 625-633.	2.2	300
105	Structured Penalties for Generalized Functional Linear Models (GFLM). Contributions To Statistics, 2011, , 161-167.	0.2	1
106	Effects of nadir CD4 count and duration of human immunodeficiency virus infection on brain volumes in the highly active antiretroviral therapy era. Journal of NeuroVirology, 2010, 16, 25-32.	2.1	179
107	Cerebral metabolite abnormalities in human immunodeficiency virus are associated with cortical and subcortical volumes. Journal of NeuroVirology, 2010, 16, 435-444.	2.1	65
108	Velocities of bone mineral accrual in black and white American children. Journal of Bone and Mineral Research, 2010, 25, 1527-1535.	2.8	13

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127	ADHD and epilepsy in childhood. <i>Developmental Medicine and Child Neurology</i> , 2003, 45, 50-4.	2.1	87
128	Men Are More Susceptible Than Women to Pustule Formation in the Experimental Model of <i>Haemophilus ducreyi</i> Infection. <i>Sexually Transmitted Diseases</i> , 2002, 29, 114-118.	1.7	24
129	Condom Use as a Function of Time in New and Established Adolescent Sexual Relationships. <i>American Journal of Public Health</i> , 2002, 92, 211-213.	2.7	186
130	Teacher assessment of behaviour in children with new-onset seizures. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2002, 11, 169-175.	2.0	44
131	Recurrent Seizures and Behavior Problems in Children with First Recognized Seizures: A Prospective Study. <i>Epilepsia</i> , 2002, 43, 1564-1573.	5.1	154
132	Comparison of bandwidth selection methods for kernel smoothing of ROC curves. <i>Statistics in Medicine</i> , 2002, 21, 2045-2055.	1.6	44
133	CriSP: A Tool for Bump Hunting. <i>Journal of Computational and Graphical Statistics</i> , 2001, 10, 713-729.	1.7	8
134	A placebo-controlled trial to evaluate immunomodulatory effects of paricalcitol. <i>American Journal of Kidney Diseases</i> , 2001, 38, 792-802.	1.9	45
135	Sexual Behavior Among Adolescent Women at High Risk for Sexually Transmitted Infections. <i>Sexually Transmitted Diseases</i> , 2001, 28, 247-251.	1.7	41
136	Behavior Problems in Children Before First Recognized Seizures. <i>Pediatrics</i> , 2001, 107, 115-122.	2.1	340
137	Analysis 2: Seals, talk to us and we will identify you. <i>Canadian Journal of Statistics</i> , 2000, 28, 189-197.	0.9	0
138	Cumulative Experience with <i>Haemophilus ducreyi</i> 35000 in the Human Model of Experimental Infection. <i>Sexually Transmitted Diseases</i> , 2000, 27, 111-114.	1.7	32
139	Informant Agreement in Behavior Ratings for Children with Epilepsy. <i>Epilepsy and Behavior</i> , 2000, 1, 427-435.	1.7	63
140	Proteomic Profiling of Plasma Biomarkers Associated With Return to Sport Following Concussion: Findings From the NCAA and Department of Defense CARE Consortium. <i>Frontiers in Neurology</i> , 0, 13, .	2.4	1