Ciprian Crainiceanu

List of Publications by Year
in descending order

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55 papers	2,377 citations	201575 27 h-index	223716 46 g-index
56 all docs	56 docs citations	56 times ranked	3510 citing authors

#	Article	IF	Citations
1	Matrix decomposition for modeling lesion development processes in multiple sclerosis. Biostatistics, 2022, 23, 83-100.	0.9	1
2	Modeling continuous glucose monitoring (CGM) data during sleep. Biostatistics, 2022, 23, 223-239.	0.9	8
3	Occupational determinants of physical activity at work: Evidence from wearable accelerometer in 2005â€“2006 NHANES. SSM - Population Health, 2022, 17, 100989.	1.3	8
4	Genomeâ€wide association studies of 27 accelerometryâ€derived physical activity measurements identified novel loci and genetic mechanisms. Genetic Epidemiology, 2022, 46, 122-138.	0.6	7
5	Multi-Site Observational Study to Assess Biomarkers for Susceptibility or Resilience to Chronic Pain: The Acute to Chronic Pain Signatures (A2CPS) Study Protocol. Frontiers in Medicine, 2022, 9, 849214.	1.2	4
6	#MeToo and Google Inquiries Into Sexual Violence: A Hashtag Campaign Can Sustain Information Seeking. Journal of Interpersonal Violence, 2021, 36, 9857-9867.	1.3	16
7	Quantifying the Predictive Performance of Objectively Measured Physical Activity on Mortality in the UK Biobank. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 1486-1494.	1.7	37
8	Habitual physical activity patterns in a nationally representative sample of U.S. adults. Translational Behavioral Medicine, 2021, 11, 332-341.	1.2	7
9	Wearable Devices: Current Status and Opportunities in Pain Assessment and Management. Digital Biomarkers, 2021, 5, 89-102.	2.2	29
10	Methadone Destabilizes Cardiac Repolarization During Sleep. Clinical Pharmacology and Therapeutics, 2021, 110, 1066-1074.	2.3	7
11	Quantifying the Varying Predictive Value of Physical Activity Measures Obtained from Wearable Accelerometers on All-Cause Mortality over Short to Medium Time Horizons in NHANES 2003â€“2006. Sensors, 2021, 21, 4.	2.1	6
12	The Predictive Performance of Objective Measures of Physical Activity Derived From Accelerometry Data for 5-Year All-Cause Mortality in Older Adults: National Health and Nutritional Examination Survey 2003â€“2006. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 1779-1785.	1.7	46
13	Rxnat: An Open-Source R Package for XNAT-Based Repositories. Frontiers in Neuroinformatics, 2020, 14, 572068.	1.3	1
14	Physical Activity and Adiposity in a Racially Diverse Cohort of US Infants. Obesity, 2020, 28, 631-637.	1.5	13
15	Association of body mass index with longitudinal rates of retinal atrophy in multiple sclerosis. Multiple Sclerosis Journal, 2020, 26, 843-854.	1.4	21
16	Variable-Domain Functional Principal Component Analysis. Journal of Computational and Graphical Statistics, 2019, 28, 993-1006.	0.9	4
17	Day-Night Activity in Hospitalized Children after Major Surgery: An Analysis of 2271 Hospital Days. Journal of Pediatrics, 2019, 209, 190-197.e1.	0.9	24
18	Retinal measurements predict 10â€year disability in multiple sclerosis. Annals of Clinical and Translational Neurology, 2019, 6, 222-232.	1.7	50

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19	Organizing and Analyzing the Activity Data in NHANES. Statistics in Biosciences, 2019, 11, 262-287.	0.6	57
20	Accelerometry Data in Health Research: Challenges and Opportunities. Statistics in Biosciences, 2019, 11, 210-237.	0.6	69
21	Imaging outcome measures of neuroprotection and repair in MS. Neurology, 2019, 92, 519-533.	1.5	53
22	Macular Ganglion Cell and Inner Plexiform Layer Thickness Is More Strongly Associated With Visual Function in Multiple Sclerosis Than Bruch Membrane Openingâ€“Minimum Rim Width or Peripapillary Retinal Nerve Fiber Layer Thicknesses. Journal of Neuro-Ophthalmology, 2019, 39, 444-450.	0.4	16
23	Real-time Mobile Monitoring of the Dynamic Associations Among Motor Activity, Energy, Mood, and Sleep in Adults With Bipolar Disorder. JAMA Psychiatry, 2019, 76, 190.	6.0	136
24	Using Heart Rate and Accelerometry to Define Quantity and Intensity of Physical Activity in Older Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 668-675.	1.7	50
25	Visual Pathway Measures are Associated with Neuropsychological Function in Multiple Sclerosis. Current Eye Research, 2018, 43, 941-948.	0.7	15
26	Prediction of sustained harmonic walking in the free-living environment using raw accelerometry data. Physiological Measurement, 2018, 39, 02NT02.	1.2	23
27	Validation of Gait Characteristics Extracted From Raw Accelerometry During Walking Against Measures of Physical Function, Mobility, Fatigability, and Fitness. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 676-681.	1.7	35
28	Dynamic prediction in functional concurrent regression with an application to child growth. Statistics in Medicine, 2018, 37, 1376-1388.	0.8	12
29	Epidemiology of objectively measured bedtime and chronotype in US adolescents and adults: NHANES 2003â€“2006. Chronobiology International, 2018, 35, 416-434.	0.9	35
30	The NAIMS cooperative pilot project: Design, implementation and future directions. Multiple Sclerosis Journal, 2018, 24, 1770-1772.	1.4	12
31	Brain and retinal atrophy in African-Americans versus Caucasian-Americans with multiple sclerosis: a longitudinal study. Brain, 2018, 141, 3115-3129.	3.7	67
32	Novel metrics for growth model selection. Emerging Themes in Epidemiology, 2018, 15, 4.	1.2	4
33	Stride variability measures derived from wrist- and hip-worn accelerometers. Gait and Posture, 2017, 52, 217-223.	0.6	19
34	Chronic arsenic exposure and risk of carotid artery disease: The Strong Heart Study. Environmental Research, 2017, 157, 127-134.	3.7	42
35	Obesity History and Daily Patterns of Physical Activity at Age 60â€“64 Years: Findings From the MRC National Survey of Health and Development. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, 1424-1430.	1.7	10
36	Parameterization of White Matter Manifold-Like Structures Using Principal Surfaces. Journal of the American Statistical Association, 2016, 111, 1050-1060.	1.8	2

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37	Testing differentially expressed genes in dose-response studies and with ordinal phenotypes. Statistical Applications in Genetics and Molecular Biology, 2016, 15, 213-235.	0.2	5
38	Modelling subject-specific childhood growth using linear mixed-effect models with cubic regression splines. Emerging Themes in Epidemiology, 2016, 13, 1.	1.2	40
39	Fast covariance estimation for high-dimensional functional data. Statistics and Computing, 2016, 26, 409-421.	0.8	58
40	Multiple sclerosis patients have a diminished serologic response to vitamin D supplementation compared to healthy controls. Multiple Sclerosis Journal, 2016, 22, 753-760.	1.4	49
41	Outer retinal changes following acute optic neuritis. Multiple Sclerosis Journal, 2016, 22, 362-372.	1.4	53
42	Optical coherence tomography reflects brain atrophy in multiple sclerosis: A fourâ€year study. Annals of Neurology, 2015, 78, 801-813.	2.8	304
43	Electronic Devices and Applications to Track Physical Activity. JAMA - Journal of the American Medical Association, 2015, 313, 2079.	3.8	12
44	fslr: Connecting the FSL Software with R. R Journal, 2015, 7, 163-175.	0.7	18
45	Assessing the "Physical Cliff": Detailed Quantification of Age-Related Differences in Daily Patterns of Physical Activity. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69, 973-979.	1.7	152
46	Longitudinal high-dimensional principal components analysis with application to diffusion tensor imaging of multiple sclerosis. Annals of Applied Statistics, 2014, 8, 2175-2202.	0.5	33
47	brainR: Interactive 3 and 4D Images of High Resolution Neuroimage Data. R Journal, 2014, 6, 41-48.	0.7	4
48	Ironing out the statistical wrinkles in â€œten ironic rulesâ€• NeuroImage, 2013, 81, 499-502.	2.1	51
49	Longitudinal scalar-on-functions regression with application to tractography data. Biostatistics, 2013, 14, 447-461.	0.9	38
50	Functional principal component model for high-dimensional brain imaging. NeuroImage, 2011, 58, 772-784.	2.1	66
51	Functional regression via variational Bayes. Electronic Journal of Statistics, 2011, 5, 572-602.	0.4	29
52	Multilevel Functional Principal Component Analysis for High-Dimensional Data. Journal of Computational and Graphical Statistics, 2011, 20, 852-873.	0.9	54
53	Longitudinal functional principal component analysis. Electronic Journal of Statistics, 2010, 4, 1022-1054.	0.4	123
54	Exact likelihood ratio tests for penalised splines. Biometrika, 2005, 92, 91-103.	1.3	104

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55	Bayesian Analysis for Penalized Spline Regression UsingWinBUGS. Journal of Statistical Software, 2005, 14, .	1.8	238