Kilian M Pohl

List of Publications by Year
in descending order

81	2,601	257450	233421
papers	citations	24	45
		h-index	g-index

81	81	81	2964
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Risk for depression tripled during the COVID-19 pandemic in emerging adults followed for the last 8 years. Psychological Medicine, 2023, 53, 2156-2163.	4.5	12
2	Alcohol Use Disorder and Its Comorbidity With HIV Infection Disrupts Anterior Cingulate Cortex Functional Connectivity. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2022, 7, 1127-1136.	1.5	1
3	Multi-label, multi-domain learning identifies compounding effects of HIV and cognitive impairment. Medical Image Analysis, 2022, 75, 102246.	11.6	5
4	Growth trajectories of cognitive and motor control in adolescence: How much is development and how much is practice?. Neuropsychology, 2022, 36, 44-54.	1.3	4
5	The Pandemic's Toll on Young Adolescents: Prevention and Intervention Targets to Preserve Their Mental Health. Journal of Adolescent Health, 2022, 70, 387-395.	2.5	33
6	Did the acute impact of the COVID-19 pandemic on drinking or nicotine use persist? Evidence from a cohort of emerging adults followed for up to nine years. Addictive Behaviors, 2022, 131, 107313.	3.0	5
7	Prior test experience confounds longitudinal tracking of adolescent cognitive and motor development. BMC Medical Research Methodology, 2022, 22, .	3.1	0
8	Adolescent alcohol use disrupts functional neurodevelopment in sensation seeking girls. Addiction Biology, 2021, 26, e12914.	2.6	12
9	Age differences in brain structural and metabolic responses to binge ethanol exposure in fisher 344 rats. Neuropsychopharmacology, 2021, 46, 368-379.	5.4	5
10	Jacobian Mapping Reveals Converging Brain Substrates of Disruption and Repair in Response to Ethanol Exposure and Abstinence in 2 Strains of Rats. Alcoholism: Clinical and Experimental Research, 2021, 45, 92-104.	2.4	2
11	Representation Learning with Statistical Independence to Mitigate Bias. , 2021, 2021, 2512-2522.		35
12	Representation Disentanglement for Multi-modal Brain MRI Analysis. Lecture Notes in Computer Science, 2021, 12729, 321-333.	1.3	17
13	Self-supervised Longitudinal Neighbourhood Embedding. Lecture Notes in Computer Science, 2021, , 80-89.	1.3	9
14	Performance ramifications of abnormal functional connectivity of ventral posterior lateral thalamus with cerebellum in abstinent individuals with Alcohol Use Disorder. Drug and Alcohol Dependence, 2021, 220, 108509.	3.2	6
15	Attenuated cerebral blood flow in frontolimbic and insular cortices in Alcohol Use Disorder: Relation to working memory. Journal of Psychiatric Research, 2021, 136, 140-148.	3.1	11
16	Association of Heavy Drinking With Deviant Fiber Tract Development in Frontal Brain Systems in Adolescents. JAMA Psychiatry, 2021, 78, 407.	11.0	25
17	Preliminary Evidence for a Relationship between Elevated Plasma TNFÎ± and Smaller Subcortical White Matter Volume in HCV Infection Irrespective of HIV or AUD Comorbidity. International Journal of Molecular Sciences, 2021, 22, 4953.	4.1	6
18	227 Poor sleep as a predictor of COVID-19 related stress, fear and sadness in young adolescents: a longitudinal study. Sleep, 2021, 44, A90-A91.	1.1	0

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19	Longitudinal Pooling & Consistency Regularization to Model Disease Progression From MRIs. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2082-2092.	6.3	12
20	Longitudinal self-supervised learning. Medical Image Analysis, 2021, 71, 102051.	11.6	28
21	Memory impairment in alcohol use disorder is associated with regional frontal brain volumes. Drug and Alcohol Dependence, 2021, 228, 109058.	3.2	11
22	Quantifying Parkinson's disease motor severity under uncertainty using MDS-UPDRS videos. Medical Image Analysis, 2021, 73, 102179.	11.6	37
23	Longitudinal Correlation Analysis forÂDecoding Multi-modal Brain Development. Lecture Notes in Computer Science, 2021, 12907, 400-409.	1.3	0
24	Going Beyond Saliency Maps: Training Deep Models to Interpret Deep Models. Lecture Notes in Computer Science, 2021, 12729, 71-82.	1.3	1
25	Metadata Normalization. , 2021, 2021, 10912-10922.		11
26	Regional growth trajectories of cortical myelination in adolescents and young adults: longitudinal validation and functional correlates. Brain Imaging and Behavior, 2020, 14, 242-266.	2.1	33
27	Accelerated aging and motor control deficits are related to regional deformation of central cerebellar white matter in alcohol use disorder. Addiction Biology, 2020, 25, e12746.	2.6	20
28	Logistic Regression Confined by Cardinality-Constrained Sample and Feature Selection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 1713-1728.	13.9	32
29	Disturbed Cerebellar Growth Trajectories in Adolescents Who Initiate Alcohol Drinking. Biological Psychiatry, 2020, 87, 632-644.	1.3	32
30	Sensitivity of ventrolateral posterior thalamic nucleus to back pain in alcoholism and CD4 nadir in HIV. Human Brain Mapping, 2020, 41, 1351-1361.	3.6	20
31	Deep learning identifies morphological determinants of sex differences in the pre-adolescent brain. NeuroImage, 2020, 223, 117293.	4.2	22
32	Training confounder-free deep learning models for medical applications. Nature Communications, 2020, 11, 6010.	12.8	81
33	Rates of amyloid PET positivity in geriatric HIV. Alzheimer's and Dementia, 2020, 16, e044134.	0.8	0
34	Graded Cerebellar Lobular Volume Deficits in Adolescents and Young Adults with Fetal Alcohol Spectrum Disorders (FASD). Cerebral Cortex, 2020, 30, 4729-4746.	2.9	17
35	Multi-modal imaging reveals differential brain volumetric, biochemical, and white matter fiber responsivity to repeated intermittent ethanol vapor exposure in male and female rats. Neuropharmacology, 2020, 170, 108066.	4.1	9
36	Spatio-Temporal Graph Convolution for Resting-State fMRI Analysis. Lecture Notes in Computer Science, 2020, 12267, 528-538.	1.3	68

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37	Deep Parametric Mixtures for Modeling the Functional Connectome. Lecture Notes in Computer Science, 2020, 12329, 133-143.	1.3	1
38	Vision-Based Estimation of MDS-UPDRS Gait Scores for Assessing Parkinson's Disease Motor Severity. Lecture Notes in Computer Science, 2020, 12263, 637-647.	1.3	30
39	Image processing and analysis methods for the Adolescent Brain Cognitive Development Study. NeuroImage, 2019, 202, 116091.	4.2	539
40	Central Nervous System Correlates of "Objective" Neuropathy in Alcohol Use Disorder. Alcoholism: Clinical and Experimental Research, 2019, 43, 2144-2152.	2.4	7
41	Convergence of three parcellation approaches demonstrating cerebellar lobule volume deficits in Alcohol Use Disorder. NeuroImage: Clinical, 2019, 24, 101974.	2.7	16
42	Hippocampal subfield CA2+3 exhibits accelerated aging in Alcohol Use Disorder: A preliminary study. NeuroImage: Clinical, 2019, 22, 101764.	2.7	27
43	Novel Machine Learning Identifies Brain Patterns Distinguishing Diagnostic Membership of Human Immunodeficiency Virus, Alcoholism, and Their Comorbidity of Individuals. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 589-599.	1.5	11
44	Longitudinally consistent estimates of intrinsic functional networks. Human Brain Mapping, 2019, 40, 2511-2528.	3.6	6
45	Dissociable Contributions of Precuneus and Cerebellum to Subjective and Objective Neuropathy in HIV. Journal of NeuroImmune Pharmacology, 2019, 14, 436-447.	4.1	7
46	Data Augmentation Based on Substituting Regional MRIs Volume Scores. Lecture Notes in Computer Science, 2019, 11851, 32-41.	1.3	4
47	Distribution of brain iron accrual in adolescence: Evidence from cross-sectional and longitudinal analysis. Human Brain Mapping, 2019, 40, 1480-1495.	3.6	33
48	Variational AutoEncoder for Regression: Application to Brain Aging Analysis. Lecture Notes in Computer Science, 2019, 11765, 823-831.	1.3	40
49	Confounder-Aware Visualization of ConvNets. Lecture Notes in Computer Science, 2019, 11861, 328-336.	1.3	7
50	The Role of Aging, Drug Dependence, and Hepatitis C Comorbidity in Alcoholism Cortical Compromise. JAMA Psychiatry, 2018, 75, 474.	11.0	70
51	eCurves: A Temporal Shape Encoding. IEEE Transactions on Biomedical Engineering, 2018, 65, 733-744.	4.2	2
52	Altered Brain Developmental Trajectories in Adolescents After Initiating Drinking. American Journal of Psychiatry, 2018, 175, 370-380.	7.2	133
53	The mediating role of cortical thickness and gray matter volume on sleep slow-wave activity during adolescence. Brain Structure and Function, 2018, 223, 669-685.	2.3	56
54	Influences of Age, Sex, and Moderate Alcohol Drinking on the Intrinsic Functional Architecture of Adolescent Brains. Cerebral Cortex, 2018, 28, 1049-1063.	2.9	33

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55	Jacobian Maps Reveal Under-reported Brain Regions Sensitive to Extreme Binge Ethanol Intoxication in the Rat. Frontiers in Neuroanatomy, 2018, 12, 108.	1.7	6
56	Alcohol use effects on adolescent brain development revealed by simultaneously removing confounding factors, identifying morphometric patterns, and classifying individuals. Scientific Reports, 2018, 8, 8297.	3.3	9
57	Accelerated and Premature Aging Characterizing Regional Cortical Volume Loss in Human Immunodeficiency Virus Infection: Contributions From Alcohol, Substance Use, and Hepatitis C Coinfection. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2018, 3, 844-859.	1.5	67
58	Chained regularization for identifying brain patterns specific to HIV infection. NeuroImage, 2018, 183, 425-437.	4.2	23
59	End-To-End Alzheimer's Disease Diagnosis and Biomarker Identification. Lecture Notes in Computer Science, 2018, 11046, 337-345.	1.3	44
60	A Riemannian Framework for Longitudinal Analysis of Resting-State Functional Connectivity. Lecture Notes in Computer Science, 2018, 11072, 145-153.	1.3	11
61	Multi-label Transduction for Identifying Disease Comorbidity Patterns. Lecture Notes in Computer Science, 2018, 11072, 575-583.	1.3	5
62	Computing group cardinality constraint solutions for logistic regression problems. Medical Image Analysis, 2017, 35, 58-69.	11.6	12
63	Effects of prior testing lasting a full year in NCANDA adolescents: Contributions from age, sex, socioeconomic status, ethnicity, site, family history of alcohol or drug abuse, and baseline performance. Developmental Cognitive Neuroscience, 2017, 24, 72-83.	4.0	15
64	Eveningness and Later Sleep Timing Are Associated with Greater Risk for Alcohol and Marijuana Use in Adolescence: Initial Findings from the National Consortium on Alcohol and Neurodevelopment in Adolescence Study. Alcoholism: Clinical and Experimental Research, 2017, 41, 1154-1165.	2.4	75
65	Active Mean Fields for Probabilistic Image Segmentation: Connections with Chan--Vese and Rudin--Osher--Fatemi Models. SIAM Journal on Imaging Sciences, 2017, 10, 1069-1103.	2.2	3
66	Structural brain anomalies in healthy adolescents in the NCANDA cohort: relation to neuropsychological test performance, sex, and ethnicity. Brain Imaging and Behavior, 2017, 11, 1302-1315.	2.1	16
67	Adolescent Executive Dysfunction in Daily Life: Relationships to Risks, Brain Structure and Substance Use. Frontiers in Behavioral Neuroscience, 2017, 11, 223.	2.0	23
68	3D Motion Modeling and Reconstruction of Left Ventricle Wall in Cardiac MRI. Lecture Notes in Computer Science, 2017, 10263, 481-492.	1.3	12
69	Cognitive, emotion control, and motor performance of adolescents in the NCANDA study: Contributions from alcohol consumption, age, sex, ethnicity, and family history of addiction.. Neuropsychology, 2016, 30, 449-473.	1.3	56
70	Extracting patterns of morphometry distinguishing HIV associated neurodegeneration from mild cognitive impairment via group cardinality constrained classification. Human Brain Mapping, 2016, 37, 4523-4538.	3.6	20
71	Joint Data Harmonization and Group Cardinality Constrained Classification. Lecture Notes in Computer Science, 2016, 9900, 282-290.	1.3	2
72	Harmonizing DTI measurements across scanners to examine the development of white matter microstructure in 803 adolescents of the NCANDA study. NeuroImage, 2016, 130, 194-213.	4.2	85

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73	Adolescent Development of Cortical and White Matter Structure in the NCANDA Sample: Role of Sex, Ethnicity, Puberty, and Alcohol Drinking. Cerebral Cortex, 2016, 26, 4101-4121.	2.9	115
74	The National Consortium on Alcohol and NeuroDevelopment in Adolescence (NCANDA): A Multisite Study of Adolescent Development and Substance Use. Journal of Studies on Alcohol and Drugs, 2015, 76, 895-908.	1.0	181
75	Neuroinformatics Software Applications Supporting Electronic Data Capture, Management, and Sharing for the Neuroimaging Community. Neuropsychology Review, 2015, 25, 356-368.	4.9	23
76	Solving Logistic Regression with Group Cardinality Constraints for Time Series Analysis. Lecture Notes in Computer Science, 2015, 9351, 459-466.	1.3	3
77	Auto-encoding of discriminating morphometry from cardiac MRI. , 2014, 2014, 217-221.		0
78	Regional Manifold Learning for Disease Classification. IEEE Transactions on Medical Imaging, 2014, 33, 1236-1247.	8.9	18
79	White matter microstructural recovery with abstinence and decline with relapse in alcohol dependence interacts with normal ageing: a controlled longitudinal DTI study. Lancet Psychiatry,the, 2014, 1, 202-212.	7.4	91
80	WESD--Weighted Spectral Distance for Measuring Shape Dissimilarity. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 2284-2297.	13.9	36
81	Temporal Shape Analysis via the Spectral Signature. Lecture Notes in Computer Science, 2012, 15, 49-56.	1.3	6