

Jean M Vettel

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

4,256
citations

218677

26
h-index

189892

50
g-index

67
all docs

67
docs citations

67
times ranked

5641
citing authors

#	ARTICLE	IF	CITATIONS
1	QSIPrep: an integrative platform for preprocessing and reconstructing diffusion MRI data. <i>Nature Methods</i> , 2021, 18, 775-778.	19.0	127
2	Scale-specific dynamics of high-amplitude bursts in EEG capture behaviorally meaningful variability. <i>NeuroImage</i> , 2021, 241, 118425.	4.2	8
3	Functional brain network architecture supporting the learning of social networks in humans. <i>NeuroImage</i> , 2020, 210, 116498.	4.2	28
4	The Effectiveness of Online Messages for Promoting Smoking Cessation Resources: Predicting Nationwide Campaign Effects From Neural Responses in the EX Campaign. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 565772.	2.0	3
5	Response Inhibition in Adolescents is Moderated by Brain Connectivity and Social Network Structure. <i>Social Cognitive and Affective Neuroscience</i> , 2020, 15, 827-837.	3.0	5
6	Understanding diaschisis models of attention dysfunction with rTMS. <i>Scientific Reports</i> , 2020, 10, 14890.	3.3	2
7	Variability in the analysis of a single neuroimaging dataset by many teams. <i>Nature</i> , 2020, 582, 84-88.	27.8	634
8	Neural processes during adolescent risky decision making are associated with conformity to peer influence. <i>Developmental Cognitive Neuroscience</i> , 2020, 44, 100794.	4.0	15
9	Learning in brain-computer interface control evidenced by joint decomposition of brain and behavior. <i>Journal of Neural Engineering</i> , 2020, 17, 046018.	3.5	15
10	Dissociable mappings of tonic and phasic pupillary features onto cognitive processes involved in mental arithmetic. <i>PLoS ONE</i> , 2020, 15, e0230517.	2.5	11
11	Reconfigurations within resonating communities of brain regions following TMS reveal different scales of processing. <i>Network Neuroscience</i> , 2020, 4, 611-636.	2.6	5
12	Title is missing!. , 2020, 15, e0230517.		0
13	Title is missing!. , 2020, 15, e0230517.		0
14	Title is missing!. , 2020, 15, e0230517.		0
15	Title is missing!. , 2020, 15, e0230517.		0
16	Title is missing!. , 2020, 15, e0230517.		0
17	Title is missing!. , 2020, 15, e0230517.		0
18	Multi-scale detection of hierarchical community architecture in structural and functional brain networks. <i>PLoS ONE</i> , 2019, 14, e0215520.	2.5	49

#	ARTICLE	IF	CITATIONS
19	Linking Emotional Reactivity Between Laboratory Tasks and Immersive Environments Using Behavior and Physiology. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 54.	2.0	5
20	Cognitive chimera states in human brain networks. <i>Science Advances</i> , 2019, 5, eaau8535.	10.3	106
21	Individual differences in learning social and nonsocial network structures.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2019, 45, 253-271.	0.9	18
22	Distinct pupil features correlate with between-participant and across-session performance variability in a 16-week, longitudinal data set. <i>Journal of Vision</i> , 2019, 19, 126c.	0.3	0
23	Applying linear additive models to isolate component processes in task-evoked pupil responses. <i>Journal of Vision</i> , 2019, 19, 305c.	0.3	0
24	Global brain dynamics during social exclusion predict subsequent behavioral conformity. <i>Social Cognitive and Affective Neuroscience</i> , 2018, 13, 182-191.	3.0	29
25	Local connectome phenotypes predict social, health, and cognitive factors. <i>Network Neuroscience</i> , 2018, 2, 86-105.	2.6	22
26	Applications of Community Detection Techniques to Brain Graphs: Algorithmic Considerations and Implications for Neural Function. <i>Proceedings of the IEEE</i> , 2018, 106, 846-867.	21.3	94
27	Cliques and cavities in the human connectome. <i>Journal of Computational Neuroscience</i> , 2018, 44, 115-145.	1.0	215
28	Different profiles of decision making and physiology under varying levels of stress in trained military personnel. <i>International Journal of Psychophysiology</i> , 2018, 131, 73-80.	1.0	36
29	Role of graph architecture in controlling dynamical networks with applications to neural systems. <i>Nature Physics</i> , 2018, 14, 91-98.	16.7	96
30	Clustering Brain-Network Time Series by Riemannian Geometry. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2018, 4, 519-533.	2.8	5
31	Local White Matter Architecture Defines Functional Brain Dynamics. , 2018, , .		0
32	Network constraints on learnability of probabilistic motor sequences. <i>Nature Human Behaviour</i> , 2018, 2, 936-947.	12.0	40
33	Data-driven brain network models differentiate variability across language tasks. <i>PLoS Computational Biology</i> , 2018, 14, e1006487.	3.2	32
34	Population-averaged atlas of the macroscale human structural connectome and its network topology. <i>NeuroImage</i> , 2018, 178, 57-68.	4.2	409
35	Individual differences in compliance and agreement for sleep logs and wrist actigraphy: A longitudinal study of naturalistic sleep in healthy adults. <i>PLoS ONE</i> , 2018, 13, e0191883.	2.5	48
36	Overlapping brain network and alpha power changes suggest visuospatial attention effects on driving performance.. <i>Behavioral Neuroscience</i> , 2018, 132, 23-33.	1.2	5

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37	Associations between coherent neural activity in the brain's value system during antismoking messages and reductions in smoking. <i>Health Psychology</i> , 2018, 37, 375-384.	1.6	7
38	A novel method linking neural connectivity to behavioral fluctuations: Behavior-regressed connectivity. <i>Journal of Neuroscience Methods</i> , 2017, 279, 60-71.	2.5	10
39	Estimating direction in brain-behavior interactions: Proactive and reactive brain states in driving. <i>NeuroImage</i> , 2017, 150, 239-249.	4.2	32
40	Brain connectivity dynamics during social interaction reflect social network structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 5153-5158.	7.1	121
41	Fusing Multiple Neuroimaging Modalities to Assess Group Differences in Perception-Action Coupling. <i>Proceedings of the IEEE</i> , 2017, 105, 83-100.	21.3	15
42	Structural Pathways Supporting Swift Acquisition of New Visuomotor Skills. <i>Cerebral Cortex</i> , 2017, 27, 173-184.	2.9	23
43	The energy landscape underpinning module dynamics in the human brain connectome. <i>NeuroImage</i> , 2017, 157, 364-380.	4.2	53
44	Cohesive network reconfiguration accompanies extended training. <i>Human Brain Mapping</i> , 2017, 38, 4744-4759.	3.6	50
45	Impact of Neuronal Membrane Damage on the Local Field Potential in a Large-Scale Simulation of Cerebral Cortex. <i>Frontiers in Neurology</i> , 2017, 8, 236.	2.4	10
46	Riemannian multi-manifold modeling and clustering in brain networks. , 2017, , .		1
47	Differential Functionality of Right and Left Parietal Activity in Controlling a Motor Vehicle. <i>Frontiers in Systems Neuroscience</i> , 2016, 10, 106.	2.5	11
48	Stimulation-Based Control of Dynamic Brain Networks. <i>PLoS Computational Biology</i> , 2016, 12, e1005076.	3.2	234
49	Quantifying Differences and Similarities in Whole-Brain White Matter Architecture Using Local Connectome Fingerprints. <i>PLoS Computational Biology</i> , 2016, 12, e1005203.	3.2	118
50	Brain dynamics of post-task resting state are influenced by expertise: Insights from baseball players. <i>Human Brain Mapping</i> , 2016, 37, 4454-4471.	3.6	40
51	Detection of functional brain network reconfiguration during task-driven cognitive states. <i>NeuroImage</i> , 2016, 142, 198-210.	4.2	145
52	Dubious decision evidence and criterion flexibility in recognition memory. <i>Frontiers in Psychology</i> , 2015, 6, 1320.	2.1	8
53	Controllability of structural brain networks. <i>Nature Communications</i> , 2015, 6, 8414.	12.8	600
54	A Comparison of Electroencephalography Signals Acquired from Conventional and Mobile Systems. <i>Journal of Neuroscience and Neuroengineering</i> , 2014, 3, 10-20.	0.2	88

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55	Internal representations for face detection: An application of noise-based image classification to BOLD responses. <i>Human Brain Mapping</i> , 2013, 34, 3101-3115.	3.6	14
56	Task-Specific Codes for Face Recognition: How they Shape the Neural Representation of Features for Detection and Individuation. <i>PLoS ONE</i> , 2008, 3, e3978.	2.5	63
57	Event understanding and memory in healthy aging and dementia of the Alzheimer type.. <i>Psychology and Aging</i> , 2006, 21, 466-482.	1.6	154
58	Lateral Somatotopic Organization During Imagined and Prepared Movements. <i>Journal of Neurophysiology</i> , 2006, 95, 811-822.	1.8	124
59	Visual motion and the neural correlates of event perception. <i>Brain Research</i> , 2006, 1076, 150-162.	2.2	114
60	Imagined Viewer and Object Rotations Dissociated with Event-Related fMRI. <i>Journal of Cognitive Neuroscience</i> , 2003, 15, 1002-1018.	2.3	137