Jean M Vettel

List of Publications by Year
in descending order

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	Variability in the analysis of a single neuroimaging dataset by many teams. Nature, 2020, 582, 84-88.	27.8	634
2	Controllability of structural brain networks. Nature Communications, 2015, 6, 8414.	12.8	600
3	Population-averaged atlas of the macroscale human structural connectome and its network topology. NeuroImage, 2018, 178, 57-68.	4.2	409
4	Stimulation-Based Control of Dynamic Brain Networks. PLoS Computational Biology, 2016, 12, e1005076.	3.2	234
5	Cliques and cavities in the human connectome. Journal of Computational Neuroscience, 2018, 44, 115-145.	1.0	215
6	Event understanding and memory in healthy aging and dementia of the Alzheimer type.. Psychology and Aging, 2006, 21, 466-482.	1.6	154
7	Detection of functional brain network reconfiguration during task-driven cognitive states. NeuroImage, 2016, 142, 198-210.	4.2	145
8	Imagined Viewer and Object Rotations Dissociated with Event-Related fMRI. Journal of Cognitive Neuroscience, 2003, 15, 1002-1018.	2.3	137
9	QSIPrep: an integrative platform for preprocessing and reconstructing diffusion MRI data. Nature Methods, 2021, 18, 775-778.	19.0	127
10	Lateral Somatotopic Organization During Imagined and Prepared Movements. Journal of Neurophysiology, 2006, 95, 811-822.	1.8	124
11	Brain connectivity dynamics during social interaction reflect social network structure. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5153-5158.	7.1	121
12	Quantifying Differences and Similarities in Whole-Brain White Matter Architecture Using Local Connectome Fingerprints. PLoS Computational Biology, 2016, 12, e1005203.	3.2	118
13	Visual motion and the neural correlates of event perception. Brain Research, 2006, 1076, 150-162.	2.2	114
14	Cognitive chimera states in human brain networks. Science Advances, 2019, 5, eaau8535.	10.3	106
15	Role of graph architecture in controlling dynamical networks with applications to neural systems. Nature Physics, 2018, 14, 91-98.	16.7	96
16	Applications of Community Detection Techniques to Brain Graphs: Algorithmic Considerations and Implications for Neural Function. Proceedings of the IEEE, 2018, 106, 846-867.	21.3	94
17	A Comparison of Electroencephalography Signals Acquired from Conventional and Mobile Systems. Journal of Neuroscience and Neuroengineering, 2014, 3, 10-20.	0.2	88
18	Task-Specific Codes for Face Recognition: How they Shape the Neural Representation of Features for Detection and Individuation. PLoS ONE, 2008, 3, e3978.	2.5	63

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19	The energy landscape underpinning module dynamics in the human brain connectome. NeuroImage, 2017, 157, 364-380.	4.2	53
20	Cohesive network reconfiguration accompanies extended training. Human Brain Mapping, 2017, 38, 4744-4759.	3.6	50
21	Multi-scale detection of hierarchical community architecture in structural and functional brain networks. PLoS ONE, 2019, 14, e0215520.	2.5	49
22	Individual differences in compliance and agreement for sleep logs and wrist actigraphy: A longitudinal study of naturalistic sleep in healthy adults. PLoS ONE, 2018, 13, e0191883.	2.5	48
23	Brain dynamics of postâ€task resting state are influenced by expertise: Insights from baseball players. Human Brain Mapping, 2016, 37, 4454-4471.	3.6	40
24	Network constraints on learnability of probabilistic motor sequences. Nature Human Behaviour, 2018, 2, 936-947.	12.0	40
25	Different profiles of decision making and physiology under varying levels of stress in trained military personnel. International Journal of Psychophysiology, 2018, 131, 73-80.	1.0	36
26	Estimating direction in brain-behavior interactions: Proactive and reactive brain states in driving. NeuroImage, 2017, 150, 239-249.	4.2	32
27	Data-driven brain network models differentiate variability across language tasks. PLoS Computational Biology, 2018, 14, e1006487.	3.2	32
28	Global brain dynamics during social exclusion predict subsequent behavioral conformity. Social Cognitive and Affective Neuroscience, 2018, 13, 182-191.	3.0	29
29	Functional brain network architecture supporting the learning of social networks in humans. NeuroImage, 2020, 210, 116498.	4.2	28
30	Structural Pathways Supporting Swift Acquisition of New Visuomotor Skills. Cerebral Cortex, 2017, 27, 173-184.	2.9	23
31	Local connectome phenotypes predict social, health, and cognitive factors. Network Neuroscience, 2018, 2, 86-105.	2.6	22
32	Individual differences in learning social and nonsocial network structures.. Journal of Experimental Psychology: Learning Memory and Cognition, 2019, 45, 253-271.	0.9	18
33	Fusing Multiple Neuroimaging Modalities to Assess Group Differences in Perceptionâ€“Action Coupling. Proceedings of the IEEE, 2017, 105, 83-100.	21.3	15
34	Neural processes during adolescent risky decision making are associated with conformity to peer influence. Developmental Cognitive Neuroscience, 2020, 44, 100794.	4.0	15
35	Learning in brain-computer interface control evidenced by joint decomposition of brain and behavior. Journal of Neural Engineering, 2020, 17, 046018.	3.5	15
36	Internal representations for face detection: An application of noiseâ€based image classification to BOLD responses. Human Brain Mapping, 2013, 34, 3101-3115.	3.6	14

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37	Differential Functionality of Right and Left Parietal Activity in Controlling a Motor Vehicle. Frontiers in Systems Neuroscience, 2016, 10, 106.	2.5	11
38	Dissociable mappings of tonic and phasic pupillary features onto cognitive processes involved in mental arithmetic. PLoS ONE, 2020, 15, e0230517.	2.5	11
39	A novel method linking neural connectivity to behavioral fluctuations: Behavior-regressed connectivity. Journal of Neuroscience Methods, 2017, 279, 60-71.	2.5	10
40	Impact of Neuronal Membrane Damage on the Local Field Potential in a Large-Scale Simulation of Cerebral Cortex. Frontiers in Neurology, 2017, 8, 236.	2.4	10
41	Dubious decision evidence and criterion flexibility in recognition memory. Frontiers in Psychology, 2015, 6, 1320.	2.1	8
42	Scale-specific dynamics of high-amplitude bursts in EEG capture behaviorally meaningful variability. NeuroImage, 2021, 241, 118425.	4.2	8
43	Associations between coherent neural activity in the brainâ€™s value system during antismoking messages and reductions in smoking.. Health Psychology, 2018, 37, 375-384.	1.6	7
44	Clustering Brain-Network Time Series by Riemannian Geometry. IEEE Transactions on Signal and Information Processing Over Networks, 2018, 4, 519-533.	2.8	5
45	Linking Emotional Reactivity Between Laboratory Tasks and Immersive Environments Using Behavior and Physiology. Frontiers in Human Neuroscience, 2019, 13, 54.	2.0	5
46	Response Inhibition in Adolescents is Moderated by Brain Connectivity and Social Network Structure. Social Cognitive and Affective Neuroscience, 2020, 15, 827-837.	3.0	5
47	Reconfigurations within resonating communities of brain regions following TMS reveal different scales of processing. Network Neuroscience, 2020, 4, 611-636.	2.6	5
48	Overlapping brain network and alpha power changes suggest visuospatial attention effects on driving performance.. Behavioral Neuroscience, 2018, 132, 23-33.	1.2	5
49	The Effectiveness of Online Messages for Promoting Smoking Cessation Resources: Predicting Nationwide Campaign Effects From Neural Responses in the EX Campaign. Frontiers in Human Neuroscience, 2020, 14, 565772.	2.0	3
50	Understanding diaschisis models of attention dysfunction with rTMS. Scientific Reports, 2020, 10, 14890.	3.3	2
51	Riemannian multi-manifold modeling and clustering in brain networks. , 2017, , .		1
52	Local White Matter Architecture Defines Functional Brain Dynamics. , 2018, , .		0
53	Distinct pupil features correlate with between-participant and across-session performance variability in a 16-week, longitudinal data set. Journal of Vision, 2019, 19, 126c.	0.3	0
54	Applying linear additive models to isolate component processes in task-evoked pupil responses. Journal of Vision, 2019, 19, 305c.	0.3	0

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55	Title is missing!. , 2020, 15, e0230517.		0
56	Title is missing!. , 2020, 15, e0230517.		0
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