Tal Yarkoni

List of Publications by Year
in descending order

59 papers	14,408 citations	70961 41 h-index	149479 56 g-index
72 all docs	72 docs citations	72 times ranked	17126 citing authors

#	Article	IF	Citations
1	Large-scale automated synthesis of human functional neuroimaging data. Nature Methods, 2011, 8, 665-670.	9.0	2,993
2	Choosing Prediction Over Explanation in Psychology: Lessons From Machine Learning. Perspectives on Psychological Science, 2017, 12, 1100-1122.	5.2	1,063
3	Scanning the horizon: towards transparent and reproducible neuroimaging research. Nature Reviews Neuroscience, 2017, 18, 115-126.	4.9	1,041
4	Decoding the Role of the Insula in Human Cognition: Functional Parcellation and Large-Scale Reverse Inference. Cerebral Cortex, 2013, 23, 739-749.	1.6	743
5	Ten simple rules for neuroimaging meta-analysis. Neuroscience and Biobehavioral Reviews, 2018, 84, 151-161.	2.9	564
6	Global Connectivity of Prefrontal Cortex Predicts Cognitive Control and Intelligence. Journal of Neuroscience, 2012, 32, 8988-8999.	1.7	540
7	Big Correlations in Little Studies: Inflated fMRI Correlations Reflect Low Statistical Powerâ€"Commentary on Vul et al. (2009). Perspectives on Psychological Science, 2009, 4, 294-298.	5.2	521
8	NeuroVault.org: a web-based repository for collecting and sharing unthresholded statistical maps of the human brain. Frontiers in Neuroinformatics, 2015, 9, 8.	1.3	482
9	Moving beyond Coltheartâ€™s N: A new measure of orthographic similarity. Psychonomic Bulletin and Review, 2008, 15, 971-979.	1.4	477
10	How open science helps researchers succeed. ELife, 2016, 5, .	2.8	449
11	Personality in 100,000 Words: A large-scale analysis of personality and word use among bloggers. Journal of Research in Personality, 2010, 44, 363-373.	0.9	433
12	Statistically Controlling for Confounding Constructs Is Harder than You Think. PLoS ONE, 2016, 11, e0152719.	1.1	311
13	Justify your alpha. Nature Human Behaviour, 2018, 2, 168-171.	6.2	310
14	BOLD Correlates of Trial-by-Trial Reaction Time Variability in Gray and White Matter: A Multi-Study fMRI Analysis. PLoS ONE, 2009, 4, e4257.	1.1	282
15	Contributions of episodic retrieval and mentalizing to autobiographical thought: Evidence from functional neuroimaging, resting-state connectivity, and fMRI meta-analyses. NeuroImage, 2014, 91, 324-335.	2.1	279
16	Large-Scale Meta-Analysis of Human Medial Frontal Cortex Reveals Tripartite Functional Organization. Journal of Neuroscience, 2016, 36, 6553-6562.	1.7	268
17	The relation between statistical power and inference in fMRI. PLoS ONE, 2017, 12, e0184923.	1.1	263
18	From Brain Maps to Cognitive Ontologies: Informatics and the Search for Mental Structure. Annual Review of Psychology, 2016, 67, 587-612.	9.9	258

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19	The generalizability crisis. Behavioral and Brain Sciences, 2022, 45, 1-37.	0.4	246
20	BIDS apps: Improving ease of use, accessibility, and reproducibility of neuroimaging data analysis methods. PLoS Computational Biology, 2017, 13, e1005209.	1.5	218
21	Regional specialization within the human striatum for diverse psychological functions. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1907-1912.	3.3	188
22	Cognitive neuroscience 2.0: building a cumulative science of human brain function. Trends in Cognitive Sciences, 2010, 14, 489-496.	4.0	173
23	Neural substrates of narrative comprehension and memory. NeuroImage, 2008, 41, 1408-1425.	2.1	160
24	Discovering Relations Between Mind, Brain, and Mental Disorders Using Topic Mapping. PLoS Computational Biology, 2012, 8, e1002707.	1.5	153
25	Pain in the ACC?. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2474-5.	3.3	136
26	Integrating explanation and prediction in computational social science. Nature, 2021, 595, 181-188.	13.7	136
27	Decoding brain activity using a large-scale probabilistic functional-anatomical atlas of human cognition. PLoS Computational Biology, 2017, 13, e1005649.	1.5	124
28	Vive les differences! Individual variation in neural mechanisms of executive control. Current Opinion in Neurobiology, 2010, 20, 242-250.	2.0	113
29	NeuroQuery, comprehensive meta-analysis of human brain mapping. ELife, 2020, 9, .	2.8	105
30	The abbreviation of personality, or how to measure 200 personality scales with 200 items. Journal of Research in Personality, 2010, 44, 180-198.	0.9	101
31	Psychoinformatics. Current Directions in Psychological Science, 2012, 21, 391-397.	2.8	100
32	Individual Differences in Amygdala Activity Predict Response Speed during Working Memory. Journal of Neuroscience, 2006, 26, 10120-10128.	1.7	91
33	Pictures of a thousand words: Investigating the neural mechanisms of reading with extremely rapid event-related fMRI. NeuroImage, 2008, 42, 973-987.	2.1	78
34	Analysis of task-based functional MRI data preprocessed with fMRIPrep. Nature Protocols, 2020, 15, 2186-2202.	5.5	78
35	Progress toward openness, transparency, and reproducibility in cognitive neuroscience. Annals of the New York Academy of Sciences, 2017, 1396, 5-18.	1.8	76
36	NeuroVault.org: A repository for sharing unthresholded statistical maps, parcellations, and atlases of the human brain. NeuroImage, 2016, 124, 1242-1244.	2.1	70

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37	Fixing the stimulus-as-fixed-effect fallacy in task fMRI. Wellcome Open Research, 2016, 1, 23.	0.9	61
38	Effects of compassion meditation on a psychological model of charitable donation.. Emotion, 2016, 16, 691-705.	1.5	58
39	Using a genetic algorithm to abbreviate the Psychopathic Personality Inventoryâ€“Revised (PPI-R).. Psychological Assessment, 2015, 27, 194-202.	1.2	56
40	Same data, different conclusions: Radical dispersion in empirical results when independent analysts operationalize and test the same hypothesis. Organizational Behavior and Human Decision Processes, 2021, 165, 228-249.	1.4	51
41	Sustained neural activity associated with cognitive control during temporally extended decision making. Cognitive Brain Research, 2005, 23, 71-84.	3.3	50
42	Putting the Self in Self-Correction: Findings From the Loss-of-Confidence Project. Perspectives on Psychological Science, 2021, 16, 1255-1269.	5.2	36
43	PyBIDS: Python tools for BIDS datasets. Journal of Open Source Software, 2019, 4, 1294.	2.0	32
44	Interpersonal constraint conferred by generalized social anxiety disorder is evident on a behavioral economics task.. Journal of Abnormal Psychology, 2013, 122, 39-44.	2.0	31
45	PREFRONTAL BRAIN ACTIVITY PREDICTS TEMPORALLY EXTENDED DECISION-MAKING BEHAVIOR. Journal of the Experimental Analysis of Behavior, 2005, 84, 537-554.	0.8	29
46	Neurobiological substrates of personality: A critical overview.. , 2015, , 61-83.		29
47	Large-scale Meta-analysis Suggests Low Regional Modularity in Lateral Frontal Cortex. Cerebral Cortex, 2018, 28, 3414-3428.	1.6	28
48	Fixing the stimulus-as-fixed-effect fallacy in task fMRI. Wellcome Open Research, 0, 1, 23.	0.9	28
49	NiMARE: Neuroimaging Meta-Analysis Research Environment. , 2022, 1, 7.		24
50	Putting Psychology to the Test: Rethinking Model Evaluation Through Benchmarking and Prediction. Advances in Methods and Practices in Psychological Science, 2021, 4, 251524592110268.	5.4	20
51	Measuring social anxiety related interpersonal constraint with the flexible iterated prisoner's dilemma. Journal of Anxiety Disorders, 2011, 25, 427-436.	1.5	17
52	Replies to commentaries on the generalizability crisis. Behavioral and Brain Sciences, 2022, 45, .	0.4	15
53	Designing next-generation platforms for evaluating scientific output: what scientists can learn from the social web. Frontiers in Computational Neuroscience, 2012, 6, 72.	1.2	13
54	Implicit Realism Impedes Progress in Psychology: Comment on Fried (2020). Psychological Inquiry, 2020, 31, 326-333.	0.4	13

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55	Interactions between donor Agreeableness and recipient characteristics in predicting charitable donation and positive social evaluation. PeerJ, 2015, 3, e1089.	0.9	13
56	LinkRbrain: Multi-scale data integrator of the brain. Journal of Neuroscience Methods, 2015, 241, 44-52.	1.3	11
57	The Importance of Standards for Sharing of Computational Models and Data. Computational Brain & Behavior, 2019, 2, 229-232.	0.9	9
58	Establishing homology between monkey and human brains. Nature Methods, 2012, 9, 237-239.	9.0	4
59	Beginning at Nosek and Bar-Anan's End: Let's Put Open Evaluation First. Psychological Inquiry, 2012, 23, 305-307.	0.4	1