

Kevin Scott Brown

List of Publications by Year in descending order

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32
papers

2,693
citations

471509
17
h-index

434195
31
g-index

38
all docs

38
docs citations

38
times ranked

3812
citing authors

#	ARTICLE	IF	CITATIONS
1	Universally Sloppy Parameter Sensitivities in Systems Biology Models. PLoS Computational Biology, 2007, 3, e189.	3.2	1,026
2	Statistical mechanical approaches to models with many poorly known parameters. Physical Review E, 2003, 68, 021904.	2.1	299
3	Perspective: Sloppiness and emergent theories in physics, biology, and beyond. Journal of Chemical Physics, 2015, 143, 010901.	3.0	224
4	Pupillometric Evidence for the Decoupling of Attention from Perceptual Input during Offline Thought. PLoS ONE, 2011, 6, e18298.	2.5	214
5	Sloppy-Model Universality Class and the Vandermonde Matrix. Physical Review Letters, 2006, 97, 150601.	7.8	111
6	Escaping the here and now: Evidence for a role of the default mode network in perceptually decoupled thought. NeuroImage, 2013, 69, 120-125.	4.2	104
7	Bayesian Ensemble Approach to Error Estimation of Interatomic Potentials. Physical Review Letters, 2004, 93, 165501.	7.8	95
8	When attention wanders: Pupillometric signatures of fluctuations in external attention. Cognition, 2017, 168, 16-26.	2.2	95
9	Structurally-Constrained Relationships between Cognitive States in the Human Brain. PLoS Computational Biology, 2014, 10, e1003591.	3.2	86
10	Model sensitivity and robustness in the estimation of larval transport: A study of particle tracking parameters. Journal of Marine Systems, 2013, 119-120, 19-29.	2.1	68
11	Insulation for Daydreams: A Role for Tonic Norepinephrine in the Facilitation of Internally Guided Thought. PLoS ONE, 2012, 7, e33706.	2.5	62
12	Learning, Memory, and the Role of Neural Network Architecture. PLoS Computational Biology, 2011, 7, e1002063.	3.2	41
13	EARSHOT: A Minimal Neural Network Model of Incremental Human Speech Recognition. Cognitive Science, 2020, 44, e12823.	1.7	37
14	Driver of discontent or escape vehicle: the affective consequences of mindwandering. Frontiers in Psychology, 2013, 4, 477.	2.1	34
15	Validation of Coevolving Residue Algorithms via Pipeline Sensitivity Analysis: ELSC and OMES and ZNMI, Oh My!. PLoS ONE, 2010, 5, e10779.	2.5	31
16	Monomerization of far-red fluorescent proteins. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11294-E11301.	7.1	24
17	Regional Structure in the Marine Heat Wave of Summer 2015 Off the Western United States. Frontiers in Marine Science, 2019, 6, .	2.5	21
18	Regioselective Synthesis of 1,2,3,4-tetrasubstituted Arenes by Vicinal Functionalization of Arynes Derived from Aryl(Mes)iodonium Salts**. Chemistry - A European Journal, 2021, 27, 7168-7175.	3.3	21

#	ARTICLE	IF	CITATIONS
19	Isotopic Evidence for the Evolution of Subsurface Nitrate in the Western Equatorial Pacific. Journal of Geophysical Research: Oceans, 2018, 123, 1684-1707.	2.6	19
20	Improving human brain mapping via joint inversion of brain electrodynamics and the BOLD signal. NeuroImage, 2010, 49, 2401-2415.	4.2	15
21	Prediction-Based Learning and Processing of Event Knowledge. Topics in Cognitive Science, 2021, 13, 206-223.	1.9	14
22	Linking kinematic characteristics and high concentrations of small pelagic fish in a coastal mesoscale eddy. Deep-Sea Research Part I: Oceanographic Research Papers, 2015, 100, 34-47.	1.4	13
23	An algorithm for separation of mixed sparse and Gaussian sources. PLoS ONE, 2017, 12, e0175775.	2.5	6
24	BICAR: A New Algorithm for Multiresolution Spatiotemporal Data Fusion. PLoS ONE, 2012, 7, e50268.	2.5	5
25	Universal Features in Phonological Neighbor Networks. Entropy, 2018, 20, 526.	2.2	5
26	Reproducible paired sources from concurrent EEG-fMRI data using BICAR. Journal of Neuroscience Methods, 2013, 219, 205-219.	2.5	4
27	Gene Expression Profiling of Skeletal Muscles. Genes, 2021, 12, 1718.	2.4	4
28	Structured patterns of activity in pulse-coupled oscillator networks with varied connectivity. PLoS ONE, 2021, 16, e0256034.	2.5	3
29	Universally Sloppy Parameter Sensitivities in Systems Biology Models. PLoS Computational Biology, 2005, preprint, e189.	3.2	3
30	Role of Sea Surface Physical Processes in Mixed-Layer Temperature Changes During Summer Marine Heat Waves in the Chile-Peru Current System. Journal of Geophysical Research: Oceans, 2022, 127, .	2.6	2
31	Architectural constraints on learning and memory function. BMC Neuroscience, 2011, 12, .	1.9	1
32	Structural drivers of function in information processing networks. , 2011, , .		0