

K J Friston

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

1,189
papers

187,330
citations

208
h-index

407
g-index

1,299
ext. papers

209,105
ext. citations

6.4
avg, IF

9.39
L-index

#	Paper	IF	Citations
1189	Therapeutic Alliance as Active Inference: The Role of Therapeutic Touch and Synchrony.. <i>Frontiers in Psychology</i> , 2022 , 13, 783694	3.3	1
1188	Osteopathic Care as (En)active Inference: A Theoretical Framework for Developing an Integrative Hypothesis in Osteopathy.. <i>Frontiers in Psychology</i> , 2022 , 13, 812926	3.3	1
1187	Bayesian data assimilation for estimating instantaneous reproduction numbers during epidemics: Applications to COVID-19.. <i>PLoS Computational Biology</i> , 2022 , 18, e1009807	4.8	
1186	Estimating anisotropy directly via neural timeseries.. <i>Journal of Computational Neuroscience</i> , 2022 , 1	1.4	
1185	From Generative Models to Generative Passages: A Computational Approach to (Neuro) Phenomenology.. <i>Review of Philosophy and Psychology</i> , 2022 , 1-29	1.2	0
1184	Music in the brain.. <i>Nature Reviews Neuroscience</i> , 2022 ,	13.2	1
1183	Bayesian Brains and the Rnyi Divergence.. <i>Neural Computation</i> , 2022 , 1-27	2.8	0
1182	Stress and its sequelae: An active inference account of the etiological pathway from allostatic overload to depression.. <i>Neuroscience and Biobehavioral Reviews</i> , 2022 , 104590	8.8	0
1181	Integrating Evolutionary, Cultural, and Computational Psychiatry: A Multilevel Systemic Approach.. <i>Frontiers in Psychiatry</i> , 2022 , 13, 763380	4.9	0
1180	Directed coupling in multi-brain networks underlies generalized synchrony during social exchange.. <i>NeuroImage</i> , 2022 , 119038	7.7	0
1179	The evolution of brain architectures for predictive coding and active inference.. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022 , 377, 20200531	5.7	3
1178	Open science communication: The first year of the UK's Independent Scientific Advisory Group for Emergencies.. <i>Health Policy</i> , 2022 , 126, 234-234	3.1	0
1177	Canonical neural networks perform active inference.. <i>Communications Biology</i> , 2022 , 5, 55	6.5	1
1176	Brain information processing capacity modeling.. <i>Scientific Reports</i> , 2022 , 12, 2174	4.7	
1175	Synthetic Spatial Foraging With Active Inference in a Geocaching Task.. <i>Frontiers in Neuroscience</i> , 2022 , 16, 802396	4.9	
1174	A step-by-step tutorial on active inference and its application to empirical data.. <i>Journal of Mathematical Psychology</i> , 2022 , 107,	1.1	7
1173	I overthink-Therefore I am not: An active inference account of altered sense of self and agency in depersonalisation disorder.. <i>Consciousness and Cognition</i> , 2022 , 101, 103320	2.6	0

1172	pymdp: A Python library for active inference in discrete state spaces. <i>Journal of Open Source Software</i> , 2022 , 7, 4098	5	0
1171	Very particular: Comment on "How particular is the physics of the free energy principle?". <i>Physics of Life Reviews</i> , 2022 , 41, 58-60	2.1	
1170	A free energy principle for generic quantum systems. <i>Progress in Biophysics and Molecular Biology</i> , 2022 ,	4.5	0
1169	Active Inference, Bayesian Optimal Design, and Expected Utility 2022 , 124-146		0
1168	What kind of explanation is the constructing and coasting strategy?: Comment on: "The sense of should: A biologically-based framework for modeling social pressure" by Jordan E. Theriault, Liane Young, and Lisa Feldman Barrett. <i>Physics of Life Reviews</i> , 2021 , 36, 80-82	2.1	2
1167	Active listening. <i>Hearing Research</i> , 2021 , 399, 107998	3.8	9
1166	Multiscale integration: beyond internalism and externalism. <i>Synthese</i> , 2021 , 198, 41-70	0.8	49
1165	Deeply Felt Affect: The Emergence of Valence in Deep Active Inference. <i>Neural Computation</i> , 2021 , 33, 398-446	2.8	33
1164	Minds and Brains, Sleep and Psychiatry.. <i>Psychiatric Research and Clinical Practice</i> , 2021 , 3, 12-28	2.6	4
1163	Neural and phenotypic representation under the free-energy principle. <i>Neuroscience and Biobehavioral Reviews</i> , 2021 , 120, 109-122	8.8	3
1162	Parcels and particles: Markov blankets in the brain. <i>Network Neuroscience</i> , 2021 , 5, 211-251	5.4	16
1161	Difficulties with Speech-in-Noise Perception Related to Fundamental Grouping Processes in Auditory Cortex. <i>Cerebral Cortex</i> , 2021 , 31, 1582-1596	5	5
1160	Cognition coming about: Self-organisation and free-energy: Commentary on Wright, J.J. and Bourke, P.D. (2020) "The growth of cognition: Free energy minimization and the embryogenesis of cortical computation". <i>Physics of Life Reviews</i> , 2021 , 36, 44-46	2.1	2
1159	Recent advances in the application of predictive coding and active inference models within clinical neuroscience. <i>Psychiatry and Clinical Neurosciences</i> , 2021 , 75, 3-13	6.1	25
1158	Why Depressed Mood is Adaptive: A Numerical Proof of Principle for an Evolutionary Systems Theory of Depression. <i>Computational Psychiatry</i> , 2021 , 5, 60-80	3.7	3
1157	Embodied skillful performance: where the action is. <i>Synthese</i> , 2021 , 199, 4457-4481	0.8	6
1156	Dynamic causal modelling of immune heterogeneity. <i>Scientific Reports</i> , 2021 , 11, 11400	4.7	1
1155	Markov blankets in the brain. <i>Neuroscience and Biobehavioral Reviews</i> , 2021 , 125, 88-97	8.8	11

1154	Active Inerants: An Active Inference Framework for Ant Colony Behavior. <i>Frontiers in Behavioral Neuroscience</i> , 2021 , 15, 647732	3.4	
1153	A Variational Approach to Scripts. <i>Frontiers in Psychology</i> , 2021 , 12, 585493	3.3	1
1152	Variational free energy, individual fitness, and population dynamics under acute stress: Comment on "Dynamic and thermodynamic models of adaptation" by Alexander N. Gorban et al. <i>Physics of Life Reviews</i> , 2021 , 37, 111-115	2.1	1
1151	Some Interesting Observations on the Free Energy Principle. <i>Entropy</i> , 2021 , 23,	2.7	6
1150	Computational Modeling of Electroencephalography and Functional Magnetic Resonance Imaging Paradigms Indicates a Consistent Loss of Pyramidal Cell Synaptic Gain in Schizophrenia. <i>Biological Psychiatry</i> , 2021 ,	1.9	6
1149	Rendering neuronal state equations compatible with the principle of stationary action. <i>Journal of Mathematical Neuroscience</i> , 2021 , 11, 10	2.3	1
1148	Musicianship and melodic predictability enhance neural gain in auditory cortex during pitch deviance detection. <i>Human Brain Mapping</i> , 2021 , 42, 5595-5608	5.8	1
1147	Towards a computational phenomenology of mental action: modelling meta-awareness and attentional control with deep parametric active inference. <i>Neuroscience of Consciousness</i> , 2021 , 2021, niab018	3.2	4
1146	Everything is connected: Inference and attractors in delusions. <i>Schizophrenia Research</i> , 2021 ,	3.6	2
1145	Model-based prediction of muscarinic receptor function from auditory mismatch negativity responses. <i>NeuroImage</i> , 2021 , 237, 118096	7.7	1
1144	Memory and Markov Blankets. <i>Entropy</i> , 2021 , 23,	2.7	2
1143	Decision Models and Technology Can Help Psychiatry Develop Biomarkers. <i>Frontiers in Psychiatry</i> , 2021 , 12, 706655	4.9	1
1142	Stochastic Chaos and Markov Blankets. <i>Entropy</i> , 2021 , 23,	2.7	5
1141	Altered effective connectivity in sensorimotor cortices is a signature of severity and clinical course in depression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.2	2
1140	Adiabatic dynamic causal modelling. <i>NeuroImage</i> , 2021 , 238, 118243	7.7	2
1139	World model learning and inference. <i>Neural Networks</i> , 2021 , 144, 573-590	8.5	2
1138	Seven computations of the social brain. <i>Social Cognitive and Affective Neuroscience</i> , 2021 , 16, 745-760	3.9	3
1137	Examining the Continuity between Life and Mind: Is There a Continuity between Autopoietic Intentionality and Representationality?. <i>Philosophies</i> , 2021 , 6, 18	0.7	5

1136	The computational neurology of movement under active inference. <i>Brain</i> , 2021 , 144, 1799-1818	11	10
1135	GABAergic cortical network physiology in frontotemporal lobar degeneration. <i>Brain</i> , 2021 , 144, 2135-2145		3
1134	Sophisticated Inference. <i>Neural Computation</i> , 2021 , 33, 713-763	2.8	24
1133	Active Inference: Demystified and Compared. <i>Neural Computation</i> , 2021 , 33, 674-712	2.8	26
1132	Transcriptome-wide association study reveals two genes that influence mismatch negativity. <i>Cell Reports</i> , 2021 , 34, 108868	10.3	2
1131	Updating beliefs beyond the here-and-now: the counter-factual self in anosognosia for hemiplegia. <i>Brain Communications</i> , 2021 , 3, fcab098	4.4	2
1130	Neural Correlates of Hand-Object Congruency Effects during Action Planning. <i>Journal of Cognitive Neuroscience</i> , 2021 , 33, 1487-1503	3.1	
1129	Neural Systems Under Change of Scale. <i>Frontiers in Computational Neuroscience</i> , 2021 , 15, 643148	3.4	1
1128	Neural Dynamics under Active Inference: Plausibility and Efficiency of Information Processing. <i>Entropy</i> , 2021 , 23,	2.7	8
1127	Blood Oxygenation Level-Dependent Response to Multiple Grip Forces in Multiple Sclerosis: Going Beyond the Main Effect of Movement in Brodmann Area 4a and 4p. <i>Frontiers in Cellular Neuroscience</i> , 2021 , 15, 616028	5.9	0
1126	Simulating lesion-dependent functional recovery mechanisms. <i>Scientific Reports</i> , 2021 , 11, 7475	4.7	1
1125	Generative Models for Active Vision. <i>Frontiers in Neurorobotics</i> , 2021 , 15, 651432	3.2	4
1124	Immunoceptive inference: why are psychiatric disorders and immune responses intertwined?. <i>Biology and Philosophy</i> , 2021 , 36, 27	1.7	2
1123	Microstructural plasticity in nociceptive pathways after spinal cord injury. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2021 ,	5.3	2
1122	Cancer Niches and Their Kikuchi Free Energy. <i>Entropy</i> , 2021 , 23,	2.7	2
1121	P.0583 Identifying prodromal biomarkers for schizophrenia and bipolar disorder with magnetoencephalography. <i>European Neuropsychopharmacology</i> , 2021 , 53, S427-S428	0.8	
1120	Bayesian mechanics for stationary processes.. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2021 , 477, 20210518	2.3	3
1119	Consciousness and Felt Uncertainty: Commentary on The Hidden Spring: A Journey to the Source of Consciousness. <i>Journal of Consciousness Studies</i> , 2021 , 28, 178-189		

1118	AI Ethics in Computational Psychiatry: From the Neuroscience of Consciousness to the Ethics of Consciousness. <i>Behavioural Brain Research</i> , 2021 , 420, 113704	3.3	0
1117	The gut microbiome as a biomarker of differential susceptibility to SARS-CoV-2. <i>Trends in Molecular Medicine</i> , 2021 , 27, 1115-1134	11.1	0
1116	Trust as Extended Control: Human-Machine Interactions as Active Inference. <i>Frontiers in Systems Neuroscience</i> , 2021 , 15, 669810	3.4	1
1115	Active inference, selective attention, and the cocktail party problem. <i>Neuroscience and Biobehavioral Reviews</i> , 2021 , 131, 1288-1304	8.8	2
1114	An active inference account of protective behaviours during the COVID-19 pandemic. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2021 , 21, 1117-1129	3.4	4
1113	Action-Dependent Processing of Touch in the Human Parietal Operculum and Posterior Insula. <i>Cerebral Cortex</i> , 2020 , 30, 607-617	5	13
1112	Oscillatory, Computational, and Behavioral Evidence for Impaired GABAergic Inhibition in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2020 , 46, 345-353	1.2	17
1111	Morphogenesis as Bayesian inference: A variational approach to pattern formation and control in complex biological systems. <i>Physics of Life Reviews</i> , 2020 , 33, 88-108	2.1	36
1110	Dynamics versus dualism: Comment on "Is temporo-spatial dynamics the 'common currency' of brain and mind?" by Georg Northoff et al. <i>Physics of Life Reviews</i> , 2020 , 33, 70-72	2.1	
1109	Human hippocampal theta oscillations reflect sequential dependencies during spatial planning. <i>Cognitive Neuroscience</i> , 2020 , 11, 122-131	1.6	3
1108	Prefrontal Computation as Active Inference. <i>Cerebral Cortex</i> , 2020 , 30, 682-695	5	21
1107	A tale of two densities: active inference is enactive inference. <i>Adaptive Behavior</i> , 2020 , 28, 225-239	1.1	60
1106	Top-down versus bottom-up attention differentially modulate frontal-parietal connectivity. <i>Human Brain Mapping</i> , 2020 , 41, 928-942	5.8	13
1105	Attentional Modulation of Vision Versus Proprioception During Action. <i>Cerebral Cortex</i> , 2020 , 30, 1637-1648	15.48	19
1104	Dynamic causal modelling of phase-amplitude interactions. <i>NeuroImage</i> , 2020 , 208, 116452	7.7	3
1103	Active inference, stressors, and psychological trauma: A neuroethological model of (mal)adaptive explore-exploit dynamics in ecological context. <i>Behavioural Brain Research</i> , 2020 , 380, 112421	3.3	12
1102	The effect of global signal regression on DCM estimates of noise and effective connectivity from resting state fMRI. <i>NeuroImage</i> , 2020 , 208, 116435	7.7	9
1101	Dynamic effective connectivity. <i>NeuroImage</i> , 2020 , 207, 116453	7.7	20

1100	On Markov blankets and hierarchical self-organisation. <i>Journal of Theoretical Biology</i> , 2020 , 486, 110089	2.3	34
1099	100 words on reward prediction error — 100 words. <i>British Journal of Psychiatry</i> , 2020 , 216, 42-42	5.2	
1098	Generative models, linguistic communication and active inference. <i>Neuroscience and Biobehavioral Reviews</i> , 2020 , 118, 42-64	8.8	19
1097	Controlled Optimism: Reply to Sun and Firestone on the Dark Room Problem. <i>Trends in Cognitive Sciences</i> , 2020 , 24, 680-681	13.7	7
1096	Integrating variational approaches to pattern formation into a deeper physics: Reply to comments on "Morphogenesis as Bayesian inference: A variational approach to pattern formation and manipulation in complex biological systems". <i>Physics of Life Reviews</i> , 2020 , 33, 125-128	2.1	1
1095	Brief Mindfulness Meditation Induces Gray Matter Changes in a Brain Hub. <i>Neural Plasticity</i> , 2020 , 2020, 8830005	3.2	6
1094	The UK needs a sustainable strategy for COVID-19. <i>Lancet, The</i> , 2020 , 396, 1800-1801	36.3	16
1093	Extended active inference: Constructing predictive cognition beyond skulls. <i>Mind and Language</i> , 2020 ,	1.6	14
1092	Brain circuits signaling the absence of emotion in body language. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 20868-20873	11.2	10
1091	Modules or Mean-Fields?. <i>Entropy</i> , 2020 , 22,	2.7	12
1090	Is the Free-Energy Principle a Formal Theory of Semantics? From Variational Density Dynamics to Neural and Phenotypic Representations. <i>Entropy</i> , 2020 , 22,	2.7	26
1089	Neuromodulatory Control and Language Recovery in Bilingual Aphasia: An Active Inference Approach. <i>Behavioral Sciences (Basel, Switzerland)</i> , 2020 , 10,	2.3	3
1088	The neurophysiological architecture of semantic dementia: spectral dynamic causal modelling of a neurodegenerative proteinopathy. <i>Scientific Reports</i> , 2020 , 10, 16321	4.7	2
1087	Reverse-Engineering Neural Networks to Characterize Their Cost Functions. <i>Neural Computation</i> , 2020 , 32, 2085-2121	2.8	5
1086	'Dark matter', second waves and epidemiological modelling. <i>BMJ Global Health</i> , 2020 , 5,	5.5	7
1085	Active inference on discrete state-spaces: A synthesis. <i>Journal of Mathematical Psychology</i> , 2020 , 99, 102447	1.1	52
1084	Cortical beta oscillations reflect the contextual gating of visual action feedback. <i>NeuroImage</i> , 2020 , 222, 117267	7.7	4
1083	A Bayesian Account of Generalist and Specialist Formation Under the Active Inference Framework. <i>Frontiers in Artificial Intelligence</i> , 2020 , 3, 69	3	2

1082	Conservation laws by virtue of scale symmetries in neural systems. <i>PLoS Computational Biology</i> , 2020 , 16, e1007865	4.8	2
1081	Sentience and the Origins of Consciousness: From Cartesian Duality to Markovian Monism. <i>Entropy</i> , 2020 , 22,	2.7	43
1080	Changes in the Effective Connectivity of the Social Brain When Making Inferences About Close Others vs. the Self. <i>Frontiers in Human Neuroscience</i> , 2020 , 14, 151	3.2	6
1079	Hemodynamic latency is associated with reduced intelligence across the lifespan: an fMRI DCM study of aging, cerebrovascular integrity, and cognitive ability. <i>Brain Structure and Function</i> , 2020 , 225, 1705-1717	3.9	1
1078	Sedation Modulates Frontotemporal Predictive Coding Circuits and the Double Surprise Acceleration Effect. <i>Cerebral Cortex</i> , 2020 , 30, 5204-5217	5	2
1077	An Active Inference Approach to Modeling Structure Learning: Concept Learning as an Example Case. <i>Frontiers in Computational Neuroscience</i> , 2020 , 14, 41	3.4	20
1076	Degeneracy and Redundancy in Active Inference. <i>Cerebral Cortex</i> , 2020 , 30, 5750-5766	5	12
1075	Asymmetric high-order anatomical brain connectivity sculpts effective connectivity. <i>Network Neuroscience</i> , 2020 , 4, 871-890	5.4	3
1074	Comparing dynamic causal models of neurovascular coupling with fMRI and EEG/MEG. <i>NeuroImage</i> , 2020 , 216, 116734	7.7	11
1073	A World Unto Itself: Human Communication as Active Inference. <i>Frontiers in Psychology</i> , 2020 , 11, 417	3.3	20
1072	Uncoupling Sensation and Perception in Human Time Processing. <i>Journal of Cognitive Neuroscience</i> , 2020 , 32, 1369-1380	3.1	2
1071	Active inference under visuo-proprioceptive conflict: Simulation and empirical results. <i>Scientific Reports</i> , 2020 , 10, 4010	4.7	12
1070	Object recognition is enabled by an experience-dependent appraisal of visual features in the brain's value system. <i>NeuroImage</i> , 2020 , 221, 117143	7.7	2
1069	Variability in Action Selection Relates to Striatal Dopamine 2/3 Receptor Availability in Humans: A PET Neuroimaging Study Using Reinforcement Learning and Active Inference Models. <i>Cerebral Cortex</i> , 2020 , 30, 3573-3589	5	9
1068	Markov blankets, information geometry and stochastic thermodynamics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020 , 378, 20190159	3	51
1067	Bayesian fusion and multimodal DCM for EEG and fMRI. <i>NeuroImage</i> , 2020 , 211, 116595	7.7	15
1066	All Thinking is 'Wishful' Thinking. <i>Trends in Cognitive Sciences</i> , 2020 , 24, 413-424	13.7	18
1065	An Investigation of the Free Energy Principle for Emotion Recognition. <i>Frontiers in Computational Neuroscience</i> , 2020 , 14, 30	3.4	8

1064	Long-Term Physical Exercise and Mindfulness Practice in an Aging Population. <i>Frontiers in Psychology</i> , 2020 , 11, 358	3.3	3
1063	Representation Wars: Enacting an Armistice Through Active Inference. <i>Frontiers in Psychology</i> , 2020 , 11, 598733	3.3	6
1062	Second waves, social distancing, and the spread of COVID-19 across America. <i>Wellcome Open Research</i> , 2020 , 5, 103	4.7	5
1061	Dynamic causal modelling of COVID-19. <i>Wellcome Open Research</i> , 2020 , 5, 89	4.7	21
1060	Dynamic causal modelling of COVID-19. <i>Wellcome Open Research</i> , 2020 , 5, 89	4.7	22
1059	Second waves, social distancing, and the spread of COVID-19 across America. <i>Wellcome Open Research</i> , 2020 , 5, 103	4.7	20
1058	Effective immunity and second waves: a dynamic causal modelling study. <i>Wellcome Open Research</i> , 2020 , 5, 204	4.7	3
1057	The importance of being precise: Commentary on "New Project for a Scientific Psychology: General Scheme" by Mark Solms. <i>Neuropsychanalysis</i> , 2020 , 22, 57-61	0.8	1
1056	Effective immunity and second waves: a dynamic causal modelling study. <i>Wellcome Open Research</i> , 2020 , 5, 204	4.7	4
1055	A tale of two densities: active inference is enactive inference. <i>Adaptive Behavior</i> , 2020 , 28, 225-239	1.1	27
1054	Prediction and memory: A predictive coding account. <i>Progress in Neurobiology</i> , 2020 , 192, 101821	10.6	37
1053	All grown up: Computational theories of psychosis, complexity, and progress. <i>Journal of Abnormal Psychology</i> , 2020 , 129, 624-628	6.8	2
1052	Paradoxical lesions, plasticity and active inference. <i>Brain Communications</i> , 2020 , 2, fcaa164	4.4	3
1051	Future climates: Markov blankets and active inference in the biosphere. <i>Journal of the Royal Society Interface</i> , 2020 , 17, 20200503	4	14
1050	Sophisticated Affective Inference: Simulating Anticipatory Affective Dynamics of Imagining Future Events. <i>Communications in Computer and Information Science</i> , 2020 , 179-186	0.3	3
1049	Deep Active Inference and Scene Construction. <i>Frontiers in Artificial Intelligence</i> , 2020 , 3, 509354	3	8
1048	TTOM in action: Refining the variational approach to cognition and culture. <i>Behavioral and Brain Sciences</i> , 2020 , 43, e120	0.9	1
1047	Neural diffusivity and pre-emptive epileptic seizure intervention. <i>PLoS Computational Biology</i> , 2020 , 16, e1008448	4.8	

1046	Representation and agency. <i>Behavioral and Brain Sciences</i> , 2020 , 43, e134	0.9	
1045	Distinct neural contributions to metacognition for detecting, but not discriminating visual stimuli. <i>ELife</i> , 2020 , 9,	8.6	11
1044	Structure learning in coupled dynamical systems and dynamic causal modelling. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019 , 377, 20190048	3	5
1043	Generalised free energy and active inference. <i>Biological Cybernetics</i> , 2019 , 113, 495-513	2.7	55
1042	Reframing PTSD for computational psychiatry with the active inference framework. <i>Cognitive Neuropsychiatry</i> , 2019 , 24, 347-368	2	18
1041	Perceptual awareness and active inference. <i>Neuroscience of Consciousness</i> , 2019 , 2019, niz012	3.2	25
1040	Hallucinations both in and out of context: An active inference account. <i>PLoS ONE</i> , 2019 , 14, e0212379	3.6	12
1039	Introducing a Bayesian model of selective attention based on active inference. <i>Scientific Reports</i> , 2019 , 9, 13915	4.7	18
1038	Waves of prediction. <i>PLoS Biology</i> , 2019 , 17, e3000426	9.5	26
1037	Neurocomputational mechanisms underlying emotional awareness: Insights afforded by deep active inference and their potential clinical relevance. <i>Neuroscience and Biobehavioral Reviews</i> , 2019 , 107, 473-491	8.8	39
1036	Effective connectivity changes in LSD-induced altered states of consciousness in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 2743-2748	11.2	81
1035	The role of the hippocampus in weighting expectations during inference under uncertainty. <i>Cortex</i> , 2019 , 115, 1-14	3.8	8
1034	Dynamic causal modelling of fluctuating connectivity in resting-state EEG. <i>NeuroImage</i> , 2019 , 189, 476-484	4.7	22
1033	The hierarchically mechanistic mind: an evolutionary systems theory of the human brain, cognition, and behavior. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2019 , 19, 1319-1351	3.4	54
1032	The emergence of synchrony in networks of mutually inferring neurons. <i>Scientific Reports</i> , 2019 , 9, 6412	4.7	17
1031	Deep brain stimulation has state-dependent effects on motor connectivity in Parkinson's disease. <i>Brain</i> , 2019 , 142, 2417-2431	11	17
1030	REBUS and the Anarchic Brain: Toward a Unified Model of the Brain Action of Psychedelics. <i>Pharmacological Reviews</i> , 2019 , 71, 316-344	21.9	157
1029	Modeling subjective belief states in computational psychiatry: interoceptive inference as a candidate framework. <i>Psychopharmacology</i> , 2019 , 236, 2405-2412	4.6	10

1028	A guide to group effective connectivity analysis, part 1: First level analysis with DCM for fMRI. <i>NeuroImage</i> , 2019 , 200, 174-190	7.7	83
1027	A guide to group effective connectivity analysis, part 2: Second level analysis with PEB. <i>NeuroImage</i> , 2019 , 200, 12-25	7.7	82
1026	Caching mechanisms for habit formation in Active Inference. <i>Neurocomputing</i> , 2019 , 359, 298-314	5.1	10
1025	Dynamic Causal Modelling of Active Vision. <i>Journal of Neuroscience</i> , 2019 , 39, 6265-6275	6.4	11
1024	Regimes of Expectations: An Active Inference Model of Social Conformity and Human Decision Making. <i>Frontiers in Psychology</i> , 2019 , 10, 679	3.3	63
1023	Excitatory versus inhibitory feedback in Bayesian formulations of scene construction. <i>Journal of the Royal Society Interface</i> , 2019 , 16, 20180344	4	6
1022	Entorhinal transformations in abstract frames of reference. <i>PLoS Biology</i> , 2019 , 17, e3000230	9.5	8
1021	Dynamic Causal Modeling of the Relationship between Cognition and Theta-alpha Oscillations in Adults with Down Syndrome. <i>Cerebral Cortex</i> , 2019 , 29, 2279-2290	5	8
1020	Neuronal message passing using Mean-field, Bethe, and Marginal approximations. <i>Scientific Reports</i> , 2019 , 9, 1889	4.7	58
1019	Thalamocortical dynamics underlying spontaneous transitions in beta power in Parkinsonism. <i>NeuroImage</i> , 2019 , 193, 103-114	7.7	12
1018	Active Inference, Novelty and Neglect. <i>Current Topics in Behavioral Neurosciences</i> , 2019 , 41, 115-128	3.2	4
1017	Selective Prefrontal Disinhibition in a Roving Auditory Oddball Paradigm Under N-Methyl-D-Aspartate Receptor Blockade. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019 , 4, 140-150	3.3	21
1016	MRI in traumatic spinal cord injury: from clinical assessment to neuroimaging biomarkers. <i>Lancet Neurology</i> , 2019 , 18, 1123-1135	23.4	55
1015	The computational pharmacology of oculomotion. <i>Psychopharmacology</i> , 2019 , 236, 2473-2484	4.6	8
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32	Neural signatures of value comparison in human cingulate cortex during decisions requiring an effort-reward trade-off		2
31	Genetic overlap between in-scanner head motion and the default network connectivity		4
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