

Anil K Seth

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.

192
papers

13,205
citations

55
h-index

113
g-index

238
ext. papers

16,193
ext. citations

4.9
avg, IF

7.4
L-index

#	Paper	IF	Citations
192	Reply to: No specific relationship between hypnotic suggestibility and the rubber hand illusion.. <i>Nature Communications</i> , 2022 , 13, 563	17.4	3
191	Simulating homeostatic, allostatic and goal-directed forms of interoceptive control using active inference.. <i>Biological Psychology</i> , 2022 , 169, 108266	3.2	6
190	From Generative Models to Generative Passages: A Computational Approach to (Neuro) Phenomenology.. <i>Review of Philosophy and Psychology</i> , 2022 , 1-29	1.4	0
189	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	1
188	Theories of consciousness.. <i>Nature Reviews Neuroscience</i> , 2022 ,	13.5	11
187	Directed Spectral Methods 2022 , 1230-1234		
186	Hypothesis awareness confounds asynchronous control conditions in indirect measures of the rubber hand illusion. <i>Royal Society Open Science</i> , 2021 , 8, 210911	3.3	5
185	Predictive processing as an empirical theory consciousness science. <i>Cognitive Neuroscience</i> , 2021 , 12, 89-90	1.7	6
184	Sensorimotor predictions shape reported conscious visual experience in a breaking continuous flash suppression task. <i>Neuroscience of Consciousness</i> , 2021 , 2021, niab003	3.3	2
183	Split-Brain: What We Know Now and Why This is Important for Understanding Consciousness. <i>Neuropsychology Review</i> , 2020 , 30, 224-233	7.7	21
182	A single system account of enhanced recognition memory in synaesthesia. <i>Memory and Cognition</i> , 2020 , 48, 188-199	2.2	1
181	Learning action-oriented models through active inference. <i>PLoS Computational Biology</i> , 2020 , 16, e1007805	8.05	45
180	Reconciling emergences: An information-theoretic approach to identify causal emergence in multivariate data. <i>PLoS Computational Biology</i> , 2020 , 16, e1008289	5	16
179	On the Relationship Between Active Inference and Control as Inference. <i>Communications in Computer and Information Science</i> , 2020 , 3-11	0.3	15
178	Decreased directed functional connectivity in the psychedelic state. <i>NeuroImage</i> , 2020 , 209, 116462	7.9	25
177	Are There Islands of Awareness?. <i>Trends in Neurosciences</i> , 2020 , 43, 6-16	13.3	24
176	Individual differences in the tendency to see the expected. <i>Consciousness and Cognition</i> , 2020 , 85, 102989	6	3

175	Curious Inferences: Reply to Sun and Firestone on the Dark Room Problem. <i>Trends in Cognitive Sciences</i> , 2020 , 24, 681-683	14	6
174	From Complexity to Consciousness. <i>Trends in Neurosciences</i> , 2020 , 43, 546-547	13.3	2
173	Trait phenomenological control predicts experience of mirror synaesthesia and the rubber hand illusion. <i>Nature Communications</i> , 2020 , 11, 4853	17.4	22
172	Reconciling emergences: An information-theoretic approach to identify causal emergence in multivariate data 2020 , 16, e1008289		
171	Reconciling emergences: An information-theoretic approach to identify causal emergence in multivariate data 2020 , 16, e1008289		
170	Reconciling emergences: An information-theoretic approach to identify causal emergence in multivariate data 2020 , 16, e1008289		
169	Reconciling emergences: An information-theoretic approach to identify causal emergence in multivariate data 2020 , 16, e1008289		
168	From Unconscious Inference to the Beholder's Share: Predictive Perception and Human Experience. <i>European Review</i> , 2019 , 27, 378-410	0.3	7
167	Individual differences in change blindness are predicted by the strength and stability of visual representations. <i>Neuroscience of Consciousness</i> , 2019 , 2019, niy010	3.3	8
166	Sensorimotor contingency modulates breakthrough of virtual 3D objects during a breaking continuous flash suppression paradigm. <i>Cognition</i> , 2019 , 187, 95-107	3.5	12
165	A Bayesian Account of the Sensory-Motor Interactions Underlying Symptoms of Tourette Syndrome. <i>Frontiers in Psychiatry</i> , 2019 , 10, 29	5	37
164	Neurophenomenology of induced and natural synaesthesia. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019 , 374, 20190030	5.8	3
163	Perceptual Content, Not Physiological Signals, Determines Perceived Duration When Viewing Dynamic, Natural Scenes. <i>Collabra: Psychology</i> , 2019 , 5,	2.8	3
162	Domain-general enhancements of metacognitive ability through adaptive training. <i>Journal of Experimental Psychology: General</i> , 2019 , 148, 51-64	4.7	46
161	Opportunities and challenges for a maturing science of consciousness. <i>Nature Human Behaviour</i> , 2019 , 3, 104-107	12.8	28
160	Inferring the temporal structure of directed functional connectivity in neural systems: some extensions to Granger causality 2019 ,		1
159	Activity in perceptual classification networks as a basis for human subjective time perception. <i>Nature Communications</i> , 2019 , 10, 267	17.4	27
158	Neurite orientation and dispersion density imaging (NODDI) detects cortical and corticospinal tract degeneration in ALS. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019 , 90, 404-411	5.5	43

157	Impairment of perceptual metacognitive accuracy and reduced prefrontal grey matter volume in first-episode psychosis. <i>Cognitive Neuropsychiatry</i> , 2018 , 23, 165-179	2	13
156	Coordinated neural, behavioral, and phenomenological changes in perceptual plasticity through overtraining of synesthetic associations. <i>Neuropsychologia</i> , 2018 , 111, 151-162	3.2	14
155	Misunderstandings regarding the application of Granger causality in neuroscience. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E6676-E6677	11.5	17
154	Response to Ruby et al: On a 'failed' attempt to manipulate conscious perception with transcranial magnetic stimulation to prefrontal cortex. <i>Consciousness and Cognition</i> , 2018 , 65, 334-341	2.6	2
153	Solved problems for Granger causality in neuroscience: A response to Stokes and Purdon. <i>NeuroImage</i> , 2018 , 178, 744-748	7.9	35
152	Measuring Integrated Information: Comparison of Candidate Measures in Theory and Simulation. <i>Entropy</i> , 2018 , 21,	2.8	38
151	Loss of consciousness is related to hyper-correlated gamma-band activity in anesthetized macaques and sleeping humans. <i>NeuroImage</i> , 2018 , 167, 130-142	7.9	17
150	Consciousness: The last 50 years (and the next). <i>Brain and Neuroscience Advances</i> , 2018 , 2, 2398212818816019	27	
149	Synesthesia improves sensory memory, when perceptual awareness is high. <i>Vision Research</i> , 2018 , 153, 1-6	2.1	4
148	Face perception enhances insula and motor network reactivity in Tourette syndrome. <i>Brain</i> , 2018 , 141, 3249-3261	11.2	16
147	Being a Beast Machine: The Somatic Basis of Selfhood. <i>Trends in Cognitive Sciences</i> , 2018 , 22, 969-981	14	103
146	A social Bayesian brain: How social knowledge can shape visual perception. <i>Brain and Cognition</i> , 2017 , 112, 69-77	2.7	48
145	Deficits in Neurite Density Underlie White Matter Structure Abnormalities in First-Episode Psychosis. <i>Biological Psychiatry</i> , 2017 , 82, 716-725	7.9	44
144	Increased spontaneous MEG signal diversity for psychoactive doses of ketamine, LSD and psilocybin. <i>Scientific Reports</i> , 2017 , 7, 46421	4.9	146
143	Detectability of Granger causality for subsampled continuous-time neurophysiological processes. <i>Journal of Neuroscience Methods</i> , 2017 , 275, 93-121	3	47
142	Don't make me angry, you wouldn't like me when I'm angry: Volitional choices to act or inhibit are modulated by subliminal perception of emotional faces. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2017 , 17, 252-268	3.5	15
141	The free energy principle for action and perception: A mathematical review. <i>Journal of Mathematical Psychology</i> , 2017 , 81, 55-79	1.2	143
140	Theta-burst transcranial magnetic stimulation to the prefrontal or parietal cortex does not impair metacognitive visual awareness. <i>PLoS ONE</i> , 2017 , 12, e0171793	3.7	22

139	Global and local complexity of intracranial EEG decreases during NREM sleep. <i>Neuroscience of Consciousness</i> , 2017 , 2017, niw022	3.3	52
138	Three-Dimensional Digital Template Atlas of the Macaque Brain. <i>Cerebral Cortex</i> , 2017 , 27, 4463-4477	5.1	78
137	Visual Perceptual Echo Reflects Learning of Regularities in Rapid Luminance Sequences. <i>Journal of Neuroscience</i> , 2017 , 37, 8486-8497	6.6	6
136	A Deep-Dream Virtual Reality Platform for Studying Altered Perceptual Phenomenology. <i>Scientific Reports</i> , 2017 , 7, 15982	4.9	28
135	The Uniformity Illusion. <i>Psychological Science</i> , 2017 , 28, 56-68	7.9	25
134	Conscious visual memory with minimal attention. <i>Journal of Experimental Psychology: General</i> , 2017 , 146, 214-226	4.7	12
133	Active interoceptive inference and the emotional brain. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016 , 371,	5.8	304
132	Fractionation of parietal function in bistable perception probed with concurrent TMS-EEG. <i>Scientific Data</i> , 2016 , 3, 160065	8.2	2
131	Automaticity and localisation of concurrents predicts colour area activity in grapheme-colour synaesthesia. <i>Neuropsychologia</i> , 2016 , 88, 5-14	3.2	12
130	Discrepancies between dimensions of interoception in autism: Implications for emotion and anxiety. <i>Biological Psychology</i> , 2016 , 114, 117-26	3.2	232
129	Action-Oriented Understanding of Consciousness and the Structure of Experience 2016 , 261-282		4
128	Allostatic Self-efficacy: A Metacognitive Theory of Dyshomeostasis-Induced Fatigue and Depression. <i>Frontiers in Human Neuroscience</i> , 2016 , 10, 550	3.3	169
127	Differential neural mechanisms for early and late prediction error detection. <i>Scientific Reports</i> , 2016 , 6, 24350	4.9	8
126	Infer yourself: Interoception and internal "action" in conscious selfhood. <i>Behavioral and Brain Sciences</i> , 2016 , 39, e196	0.9	2
125	Rhythmic Influence of Top-Down Perceptual Priors in the Phase of Prestimulus Occipital Alpha Oscillations. <i>Journal of Cognitive Neuroscience</i> , 2016 , 28, 1318-30	3.1	58
124	Predictions Shape Confidence in Right Inferior Frontal Gyrus. <i>Journal of Neuroscience</i> , 2016 , 36, 10323-10336	6.6	21
123	Granger causality analysis in neuroscience and neuroimaging. <i>Journal of Neuroscience</i> , 2015 , 35, 3293-7	6.6	417
122	Granger causality for state-space models. <i>Physical Review E</i> , 2015 , 91, 040101	2.4	92

121	The felt presence of other minds: Predictive processing, counterfactual predictions, and mentalising in autism. <i>Consciousness and Cognition</i> , 2015 , 36, 376-89	2.6	56
120	Presence, objecthood, and the phenomenology of predictive perception. <i>Cognitive Neuroscience</i> , 2015 , 6, 111-7	1.7	17
119	Superficial white matter fiber systems impede detection of long-range cortical connections in diffusion MR tractography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E2820-8	11.5	267
118	Cross-modal prediction changes the timing of conscious access during the motion-induced blindness. <i>Consciousness and Cognition</i> , 2015 , 31, 139-47	2.6	15
117	Knowing your own heart: distinguishing interoceptive accuracy from interoceptive awareness. <i>Biological Psychology</i> , 2015 , 104, 65-74	3.2	619
116	Expectations accelerate entry of visual stimuli into awareness. <i>Journal of Vision</i> , 2015 , 15, 13	0.4	64
115	Complexity of Multi-Dimensional Spontaneous EEG Decreases during Propofol Induced General Anaesthesia. <i>PLoS ONE</i> , 2015 , 10, e0133532	3.7	138
114	A comparative study of electrical potential sensors and Ag/AgCl electrodes for characterising spontaneous and event related electroencephalogram signals. <i>Journal of Neuroscience Methods</i> , 2015 , 251, 7-16	3	24
113	Prior expectations facilitate metacognition for perceptual decision. <i>Consciousness and Cognition</i> , 2015 , 35, 53-65	2.6	37
112	Neural coding: rate and time codes work together. <i>Current Biology</i> , 2015 , 25, R110-R113	6.3	8
111	Adults can be trained to acquire synesthetic experiences. <i>Scientific Reports</i> , 2014 , 4, 7089	4.9	34
110	The MVGC multivariate Granger causality toolbox: a new approach to Granger-causal inference. <i>Journal of Neuroscience Methods</i> , 2014 , 223, 50-68	3	509
109	A predictive processing theory of sensorimotor contingencies: Explaining the puzzle of perceptual presence and its absence in synesthesia. <i>Cognitive Neuroscience</i> , 2014 , 5, 97-118	1.7	154
108	Can grapheme-color synesthesia be induced by hypnosis?. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 220	3.3	8
107	An extended case study on the phenomenology of sequence-space synesthesia. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 433	3.3	12
106	Fear from the heart: sensitivity to fear stimuli depends on individual heartbeats. <i>Journal of Neuroscience</i> , 2014 , 34, 6573-82	6.6	205
105	Influence of wiring cost on the large-scale architecture of human cortical connectivity. <i>PLoS Computational Biology</i> , 2014 , 10, e1003557	5	67
104	Darwin's neuroscientist: Gerald M. Edelman, 1929-2014. <i>Frontiers in Psychology</i> , 2014 , 5, 896	3.4	3

103	Accurate metacognition for visual sensory memory representations. <i>Psychological Science</i> , 2014 , 25, 861-73	7.3	40
102	Blind insight: metacognitive discrimination despite chance task performance. <i>Psychological Science</i> , 2014 , 25, 2199-208	7.9	35
101	What behaviourism can (and cannot) tell us about brain imaging. <i>Trends in Cognitive Sciences</i> , 2014 , 18, 5-6	14	1
100	Response to Gu and FitzGerald: Interoceptive inference: from decision-making to organism integrity. <i>Trends in Cognitive Sciences</i> , 2014 , 18, 270-1	14	9
99	Characterizing brain states with Granger causality. <i>BMC Neuroscience</i> , 2013 , 14,	3.2	78
98	Information flow in a kinetic Ising model peaks in the disordered phase. <i>Physical Review Letters</i> , 2013 , 111, 177203	7.4	82
97	What the heart forgets: Cardiac timing influences memory for words and is modulated by metacognition and interoceptive sensitivity. <i>Psychophysiology</i> , 2013 , 50, 505-12	4.1	98
96	Multisensory integration across exteroceptive and interoceptive domains modulates self-experience in the rubber-hand illusion. <i>Neuropsychologia</i> , 2013 , 51, 2909-17	3.2	247
95	Interoceptive inference, emotion, and the embodied self. <i>Trends in Cognitive Sciences</i> , 2013 , 17, 565-73	14	880
94	Analysing connectivity with Granger causality and dynamic causal modelling. <i>Current Opinion in Neurobiology</i> , 2013 , 23, 172-8	7.6	401
93	Diagnosing synaesthesia with online colour pickers: maximising sensitivity and specificity. <i>Journal of Neuroscience Methods</i> , 2013 , 215, 156-60	3	98
92	Psychophysiology of neural, cognitive and affective integration: How theoretical perspectives align with evidence from brain imaging. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2013 , 177, 305-306	2.4	
91	Granger causality analysis of fMRI BOLD signals is invariant to hemodynamic convolution but not downsampling. <i>NeuroImage</i> , 2013 , 65, 540-55	7.9	149
90	Extending predictive processing to the body: emotion as interoceptive inference. <i>Behavioral and Brain Sciences</i> , 2013 , 36, 227-8	0.9	95
89	Measures of metacognition on signal-detection theoretic models. <i>Psychological Methods</i> , 2013 , 18, 535-521	5.1	86
88	Consciousness in humans and non-human animals: recent advances and future directions. <i>Frontiers in Psychology</i> , 2013 , 4, 625	3.4	123
87	Neuroimaging Studies of Interoception and Self-Awareness 2013 , 207-224		1
86	Putting Descartes before the horse: Quantum theories of consciousness: Comment on "Consciousness, biology, and quantum hypotheses" by Baars & Edelman. <i>Physics of Life Reviews</i> , 2012 , 9, 297-8; discussion 306-7	2.1	2

85	The Enactive Torch: A New Tool for the Science of Perception. <i>IEEE Transactions on Haptics</i> , 2012 , 5, 365-375	4.3	43
84	Will studies of macaque insula reveal the neural mechanisms of self-awareness?. <i>Neuron</i> , 2012 , 74, 423-613,9	3.9	83
83	Consciousness and the prefrontal parietal network: insights from attention, working memory, and chunking. <i>Frontiers in Psychology</i> , 2012 , 3, 63	3.4	78
82	Decision-making under risk: a graph-based network analysis using functional MRI. <i>NeuroImage</i> , 2012 , 60, 2191-205	7.9	35
81	Granger causality analysis of steady-state electroencephalographic signals during propofol-induced anaesthesia. <i>PLoS ONE</i> , 2012 , 7, e29072	3.7	104
80	Neural basis of contagious itch and why some people are more prone to it. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 19816-21	11.5	125
79	Multi-neuronal refractory period adapts centrally generated behaviour to reward. <i>PLoS ONE</i> , 2012 , 7, e42493	3.7	6
78	Modes and models in disorders of consciousness science. <i>Archives Italiennes De Biologie</i> , 2012 , 150, 172-84	8.4	16
77	An interoceptive predictive coding model of conscious presence. <i>Frontiers in Psychology</i> , 2011 , 2, 395	3.4	442
76	Wiener-Granger causality: a well established methodology. <i>NeuroImage</i> , 2011 , 58, 323-9	7.9	530
75	Detecting conscious awareness from involuntary autonomic responses. <i>Consciousness and Cognition</i> , 2011 , 20, 936-42	2.6	6
74	Causal density and integrated information as measures of conscious level. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011 , 369, 3748-67	3	73
73	Dopamine-signaled reward predictions generated by competitive excitation and inhibition in a spiking neural network model. <i>Frontiers in Computational Neuroscience</i> , 2011 , 5, 21	3.5	11
72	Behaviour of Granger causality under filtering: theoretical invariance and practical application. <i>Journal of Neuroscience Methods</i> , 2011 , 201, 404-19	3	128
71	Practical measures of integrated information for time-series data. <i>PLoS Computational Biology</i> , 2011 , 7, e1001052	5	107
70	Artificial Neural Systems for Robots 2011 , 214-248		
69	The grand challenge of consciousness. <i>Frontiers in Psychology</i> , 2010 , 1, 5	3.4	16
68	Grapheme-colour synaesthesia improves detection of embedded shapes, but without pre-attentive 'pop-out' of synaesthetic colour. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010 , 277, 1021-64	4.4	48

67	Multivariate Granger causality and generalized variance. <i>Physical Review E</i> , 2010 , 81, 041907	2.4	144
66	Neural theories need to account for, not discount, introspection and behavior. <i>Cognitive Neuroscience</i> , 2010 , 1, 227-8	1.7	1
65	Measuring autonomy and emergence via Granger causality. <i>Artificial Life</i> , 2010 , 16, 179-96	1.4	40
64	The cognitive neuroscience of consciousness. <i>Cognitive Neuroscience</i> , 2010 , 1, 153-4	1.7	5
63	Subjective measures of implicit knowledge that go beyond confidence: Reply to Overgaard et al.. <i>Consciousness and Cognition</i> , 2010 , 19, 685-686	2.6	8
62	A MATLAB toolbox for Granger causal connectivity analysis. <i>Journal of Neuroscience Methods</i> , 2010 , 186, 262-73	3	55 ¹
61	Gambling on the unconscious: a comparison of wagering and confidence ratings as measures of awareness in an artificial grammar task. <i>Consciousness and Cognition</i> , 2010 , 19, 674-81	2.6	118
60	Measuring any conscious content versus measuring the relevant conscious content: comment on Sandberg et al. <i>Consciousness and Cognition</i> , 2010 , 19, 1079-80; discussion 1081-3	2.6	26
59	Don't Throw the Baby Iguana Out With the Bathwater. <i>Adaptive Behavior</i> , 2009 , 17, 338-342	1.1	1
58	Explanatory Correlates of Consciousness: Theoretical and Computational Challenges. <i>Cognitive Computation</i> , 2009 , 1, 50-63	4.4	74
57	Animal consciousness: a synthetic approach. <i>Trends in Neurosciences</i> , 2009 , 32, 476-84	13.3	111
56	Granger causality and transfer entropy are equivalent for Gaussian variables. <i>Physical Review Letters</i> , 2009 , 103, 238701	7.4	57 ⁶
55	THE STRENGTH OF WEAK ARTIFICIAL CONSCIOUSNESS. <i>International Journal of Machine Consciousness</i> , 2009 , 01, 71-82		19
54	Axioms, properties and criteria: roles for synthesis in the science of consciousness. <i>Artificial Intelligence in Medicine</i> , 2008 , 44, 91-104	7.4	9
53	Measuring consciousness: relating behavioural and neurophysiological approaches. <i>Trends in Cognitive Sciences</i> , 2008 , 12, 314-21	14	239
52	Partial Granger causality--eliminating exogenous inputs and latent variables. <i>Journal of Neuroscience Methods</i> , 2008 , 172, 79-93	3	14 ⁸
51	Theories and measures of consciousness develop together. <i>Consciousness and Cognition</i> , 2008 , 17, 986-82.6		16
50	Causal networks in simulated neural systems. <i>Cognitive Neurodynamics</i> , 2008 , 2, 49-64	4.2	55

49	Post-decision wagering measures metacognitive content, not sensory consciousness. <i>Consciousness and Cognition</i> , 2008 , 17, 981-3	2.6	41
48	Embodied models of delayed neural responses: spatiotemporal categorization and predictive motor control in brain based devices. <i>Neural Networks</i> , 2008 , 21, 553-61	9.1	10
47	Closing the Sensory-Motor Loop on Dopamine Signalled Reinforcement Learning. <i>Lecture Notes in Computer Science</i> , 2008 , 280-290	0.9	2
46	The ecology of action selection: insights from artificial life. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2007 , 362, 1545-58	5.8	42
45	Introduction. Modelling natural action selection. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2007 , 362, 1521-9	5.8	37
44	The functional utility of consciousness depends on content as well as on state. <i>Behavioral and Brain Sciences</i> , 2007 , 30, 106-106	0.9	3
43	Distinguishing causal interactions in neural populations. <i>Neural Computation</i> , 2007 , 19, 910-33	2.9	80
42	Measuring Autonomy by Multivariate Autoregressive Modelling 2007 , 475-484		1
41	Granger causality. <i>Scholarpedia Journal</i> , 2007 , 2, 1667	1.5	59
40	Theories and measures of consciousness: an extended framework. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 10799-804	11.5	208
39	Single-trial discrimination of truthful from deceptive responses during a game of financial risk using alpha-band MEG signals. <i>NeuroImage</i> , 2006 , 32, 465-76	7.9	18
38	Identifying hallmarks of consciousness in non-mammalian species. <i>Consciousness and Cognition</i> , 2005 , 14, 169-87	2.6	132
37	Spatial navigation and causal analysis in a brain-based device modeling cortical-hippocampal interactions. <i>Neuroinformatics</i> , 2005 , 3, 197-221	3.2	75
36	Criteria for consciousness in humans and other mammals. <i>Consciousness and Cognition</i> , 2005 , 14, 119-39	2.6	174
35	Neural Darwinism and consciousness. <i>Consciousness and Cognition</i> , 2005 , 14, 140-68	2.6	51
34	Causal connectivity of evolved neural networks during behavior. <i>Network: Computation in Neural Systems</i> , 2005 , 16, 35-54	0.7	184
33	Let's not forget about sensory consciousness. <i>Behavioral and Brain Sciences</i> , 2004 , 27, 601-602	0.9	3
32	Environment and Behavior Influence the Complexity of Evolved Neural Networks. <i>Adaptive Behavior</i> , 2004 , 12, 5-20	1.1	32

31	Visual binding through reentrant connectivity and dynamic synchronization in a brain-based device. <i>Cerebral Cortex</i> , 2004 , 14, 1185-99	5.1	47
30	Active Sensing of Visual and Tactile Stimuli by Brain-based Devices. <i>International Journal of Robotics and Automation</i> , 2004 , 19,	1.3	13
29	The power of human brain magnetoencephalographic signals can be modulated up or down by changes in an attentive visual task. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 3501-6	11.5	46
28	Modeling Group Foraging: Individual Suboptimality, Interference, and a Kind of Matching. <i>Adaptive Behavior</i> , 2001 , 9, 67-89	1.1	27
27	Facial expression megamix: tests of dimensional and category accounts of emotion recognition. <i>Cognition</i> , 1997 , 63, 271-313	3.5	439
26	Do we expect natural selection to produce rational behaviour?12-36		1
25	Optimised agent-based modelling of action selection37-60		1
24	Compromise strategies for action selection61-90		
23	Cortical mechanisms of action selection: the affordance competition hypothesis208-238		5
22	State-dependent foraging rules for social animals in selfish herds523-537		
21	Psychedelics and schizophrenia: Distinct alterations to Bayesian inference		1
20	Phenomenological control: response to imaginative suggestion predicts measures of mirror touch synaesthesia, vicarious pain and the rubber hand illusion		6
19	Predictive processing as a systematic basis for identifying the neural correlates of consciousness		4
18	Intentional binding without intentional action		2
17	Being a beast machine: The origins of selfhood in control-oriented interoceptive inference		2
16	Functions of consciousness		2
15	Decreased Directed Functional Connectivity in the Psychedelic State		1
14	Accumulation of Salient Perceptual Events Predicts Human Subjective Time		1

13	Phenomenological control as cold control.. <i>Psychology of Consciousness: Theory Research, and Practice,</i>	1.8	5
12	Neurophysiological signatures of duration and rhythm prediction across sensory modalities		2
11	A predictive processing model of episodic memory and time perception		3
10	Effects of external stimulation on psychedelic state neurodynamics		9
9	Quantifying metacognitive thresholds using signal-detection theory		3
8	Multiple Duration Priors Within and Across the Senses		3
7	Increased spontaneous EEG signal diversity during stroboscopically-induced altered states of consciousness		3
6	Time without clocks: Human time perception based on perceptual classification		2
5	An academic survey on theoretical foundations, common assumptions and the current state of the field of consciousness science		5
4	I overthink therefore I am not: Altered Sense of Self and Agency in Depersonalisation Disorder		5
3	Simulating homeostatic, allostatic and goal-directed forms of interoceptive control using Active Inference		5
2	From generative models to generative passages: A computational approach to (neuro)phenomenology		4
1	What's up with the Rubber Hand Illusion?		4