

Anil K Seth

List of Publications by Year in descending order

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Version: 2024-02-01

188
papers

18,631
citations

20759

60
h-index

14702

127
g-index

238
all docs

238
docs citations

238
times ranked

13875
citing authors

#	ARTICLE	IF	CITATIONS
1	Phenomenological control as cold control.. Psychology of Consciousness: Theory Research, and Practice, 2022, 9, 101-116.	0.3	10
2	Reply to: No specific relationship between hypnotic suggestibility and the rubber hand illusion. Nature Communications, 2022, 13, 563.	5.8	10
3	Simulating homeostatic, allostatic and goal-directed forms of interoceptive control using active inference. Biological Psychology, 2022, 169, 108266.	1.1	34
4	From Generative Models to Generative Passages: A Computational Approach to (Neuro) Phenomenology. Review of Philosophy and Psychology, 2022, 13, 829-857.	1.0	17
5	I overthinkâ€”Therefore I am not: An active inference account of altered sense of self and agency in depersonalisation disorder. Consciousness and Cognition, 2022, 101, 103320.	0.8	16
6	Theories of consciousness. Nature Reviews Neuroscience, 2022, 23, 439-452.	4.9	191
7	Greater than the parts: a review of the information decomposition approach to causal emergence. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, .	1.6	17
8	The strength of weak integrated information theory. Trends in Cognitive Sciences, 2022, 26, 646-655.	4.0	17
9	A Predictive Processing Model of Episodic Memory and Time Perception. Neural Computation, 2022, 34, 1501-1544.	1.3	8
10	Directed Spectral Methods. , 2022, , 1230-1234.		0
11	Trial-by-trial predictions of subjective time from human brain activity. PLoS Computational Biology, 2022, 18, e1010223.	1.5	3
12	Predictive processing as an empirical theory <i>for</i> consciousness science. Cognitive Neuroscience, 2021, 12, 89-90.	0.6	19
13	Sensorimotor predictions shape reported conscious visual experience in a breaking continuous flash suppression task. Neuroscience of Consciousness, 2021, 2021, niab003.	1.4	6
14	Hypothesis awareness confounds asynchronous control conditions in indirect measures of the rubber hand illusion. Royal Society Open Science, 2021, 8, 210911.	1.1	13
15	Decreased directed functional connectivity in the psychedelic state. NeuroImage, 2020, 209, 116462.	2.1	49
16	Are There Islands of Awareness?. Trends in Neurosciences, 2020, 43, 6-16.	4.2	54
17	Individual differences in the tendency to see the expected. Consciousness and Cognition, 2020, 85, 102989.	0.8	6
18	Curious Inferences: Reply to Sun and Firestone on the Dark Room Problem. Trends in Cognitive Sciences, 2020, 24, 681-683.	4.0	12

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19	From Complexity to Consciousness. Trends in Neurosciences, 2020, 43, 546-547.	4.2	4
20	Trait phenomenological control predicts experience of mirror synaesthesia and the rubber hand illusion. Nature Communications, 2020, 11, 4853.	5.8	54
21	Split-Brain: What We Know Now and Why This is Important for Understanding Consciousness. Neuropsychology Review, 2020, 30, 224-233.	2.5	39
22	A single system account of enhanced recognition memory in synaesthesia. Memory and Cognition, 2020, 48, 188-199.	0.9	2
23	Learning action-oriented models through active inference. PLoS Computational Biology, 2020, 16, e1007805.	1.5	64
24	On the Relationship Between Active Inference and Control as Inference. Communications in Computer and Information Science, 2020, , 3-11.	0.4	26
25	Reconciling emergences: An information-theoretic approach to identify causal emergence in multivariate data. PLoS Computational Biology, 2020, 16, e1008289.	1.5	52
26	Directed Spectral Methods. , 2020, , 1-4.		0
27	Learning action-oriented models through active inference. , 2020, 16, e1007805.		0
28	Learning action-oriented models through active inference. , 2020, 16, e1007805.		0
29	Learning action-oriented models through active inference. , 2020, 16, e1007805.		0
30	Learning action-oriented models through active inference. , 2020, 16, e1007805.		0
31	Title is missing!. , 2020, 16, e1008289.		0
32	Title is missing!. , 2020, 16, e1008289.		0
33	Title is missing!. , 2020, 16, e1008289.		0
34	Title is missing!. , 2020, 16, e1008289.		0
35	Neurophenomenology of induced and natural synaesthesia. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20190030.	1.8	5
36	From Unconscious Inference to the Beholder's Share: Predictive Perception and Human Experience. European Review, 2019, 27, 378-410.	0.4	23

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37	Individual differences in change blindness are predicted by the strength and stability of visual representations. <i>Neuroscience of Consciousness</i> , 2019, 2019, niy010.	1.4	12
38	Sensorimotor contingency modulates breakthrough of virtual 3D objects during a breaking continuous flash suppression paradigm. <i>Cognition</i> , 2019, 187, 95-107.	1.1	15
39	A Bayesian Account of the Sensory-Motor Interactions Underlying Symptoms of Tourette Syndrome. <i>Frontiers in Psychiatry</i> , 2019, 10, 29.	1.3	47
40	Editorial: Open science in consciousness research. <i>Neuroscience of Consciousness</i> , 2019, 2019, niz018.	1.4	3
41	Inferring the temporal structure of directed functional connectivity in neural systems: some extensions to Granger causality. , 2019, , .		1
42	Measuring Integrated Information: Comparison of Candidate Measures in Theory and Simulation. <i>Entropy</i> , 2019, 21, 17.	1.1	65
43	Activity in perceptual classification networks as a basis for human subjective time perception. <i>Nature Communications</i> , 2019, 10, 267.	5.8	61
44	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.	0.9	70
45	Domain-general enhancements of metacognitive ability through adaptive training.. <i>Journal of Experimental Psychology: General</i> , 2019, 148, 51-64.	1.5	101
46	Opportunities and challenges for a maturing science of consciousness. <i>Nature Human Behaviour</i> , 2019, 3, 104-107.	6.2	58
47	Perceptual Content, Not Physiological Signals, Determines Perceived Duration When Viewing Dynamic, Natural Scenes. <i>Collabra: Psychology</i> , 2019, 5, .	0.9	8
48	Impairment of perceptual metacognitive accuracy and reduced prefrontal grey matter volume in first-episode psychosis. <i>Cognitive Neuropsychiatry</i> , 2018, 23, 165-179.	0.7	19
49	Coordinated neural, behavioral, and phenomenological changes in perceptual plasticity through overtraining of synesthetic associations. <i>Neuropsychologia</i> , 2018, 111, 151-162.	0.7	18
50	Loss of consciousness is related to hyper-correlated gamma-band activity in anesthetized macaques and sleeping humans. <i>NeuroImage</i> , 2018, 167, 130-142.	2.1	22
51	Consciousness: The last 50 years (and the next). <i>Brain and Neuroscience Advances</i> , 2018, 2, 239821281881601.	1.8	45
52	Synesthesia improves sensory memory, when perceptual awareness is high. <i>Vision Research</i> , 2018, 153, 1-6.	0.7	5
53	Face perception enhances insula and motor network reactivity in Tourette syndrome. <i>Brain</i> , 2018, 141, 3249-3261.	3.7	32
54	Being a Beast Machine: The Somatic Basis of Selfhood. <i>Trends in Cognitive Sciences</i> , 2018, 22, 969-981.	4.0	181

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55	Misunderstandings regarding the application of Granger causality in neuroscience. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6676-E6677.	3.3	30
56	Response to Ruby et al: On a "failed" attempt to manipulate conscious perception with transcranial magnetic stimulation to prefrontal cortex. Consciousness and Cognition, 2018, 65, 334-341.	0.8	6
57	Solved problems for Granger causality in neuroscience: A response to Stokes and Purdon. NeuroImage, 2018, 178, 744-748.	2.1	51
58	Three-Dimensional Digital Template Atlas of the Macaque Brain. Cerebral Cortex, 2017, 27, 4463-4477.	1.6	145
59	A social Bayesian brain: How social knowledge can shape visual perception. Brain and Cognition, 2017, 112, 69-77.	0.8	85
60	Deficits in Neurite Density Underlie White Matter Structure Abnormalities in First-Episode Psychosis. Biological Psychiatry, 2017, 82, 716-725.	0.7	59
61	Increased spontaneous MEG signal diversity for psychoactive doses of ketamine, LSD and psilocybin. Scientific Reports, 2017, 7, 46421.	1.6	266
62	Detectability of Granger causality for subsampled continuous-time neurophysiological processes. Journal of Neuroscience Methods, 2017, 275, 93-121.	1.3	62
63	Editorial to the special issue on perspectives on human probabilistic inference and the "Bayesian brain". Brain and Cognition, 2017, 112, 1-2.	0.8	1
64	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. Cognitive, Affective and Behavioral Neuroscience, 2017, 17, 252-268.	1.0	21
65	The free energy principle for action and perception: A mathematical review. Journal of Mathematical Psychology, 2017, 81, 55-79.	1.0	214
66	Visual Perceptual Echo Reflects Learning of Regularities in Rapid Luminance Sequences. Journal of Neuroscience, 2017, 37, 8486-8497.	1.7	12
67	A Deep-Dream Virtual Reality Platform for Studying Altered Perceptual Phenomenology. Scientific Reports, 2017, 7, 15982.	1.6	47
68	The Uniformity Illusion. Psychological Science, 2017, 28, 56-68.	1.8	33
69	Theta-burst transcranial magnetic stimulation to the prefrontal or parietal cortex does not impair metacognitive visual awareness. PLoS ONE, 2017, 12, e0171793.	1.1	37
70	Global and local complexity of intracranial EEG decreases during NREM sleep. Neuroscience of Consciousness, 2017, 2017, niw022.	1.4	94
71	Conscious visual memory with minimal attention.. Journal of Experimental Psychology: General, 2017, 146, 214-226.	1.5	17
72	Allostatic Self-efficacy: A Metacognitive Theory of Dyshomeostasis-Induced Fatigue and Depression. Frontiers in Human Neuroscience, 2016, 10, 550.	1.0	256

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73	Differential neural mechanisms for early and late prediction error detection. <i>Scientific Reports</i> , 2016, 6, 24350.	1.6	11
74	Infer yourself: Interoception and internal action in conscious selfhood. <i>Behavioral and Brain Sciences</i> , 2016, 39, e196.	0.4	2
75	Rhythmic Influence of Top-Down Perceptual Priors in the Phase of Prestimulus Occipital Alpha Oscillations. <i>Journal of Cognitive Neuroscience</i> , 2016, 28, 1318-1330.	1.1	96
76	Predictions Shape Confidence in Right Inferior Frontal Gyrus. <i>Journal of Neuroscience</i> , 2016, 36, 10323-10336.	1.7	31
77	Active interoceptive inference and the emotional brain. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20160007.	1.8	508
78	Fractionation of parietal function in bistable perception probed with concurrent TMS-EEG. <i>Scientific Data</i> , 2016, 3, 160065.	2.4	2
79	Automaticity and localisation of concurrents predicts colour area activity in grapheme-colour synaesthesia. <i>Neuropsychologia</i> , 2016, 88, 5-14.	0.7	17
80	Discrepancies between dimensions of interoception in autism: Implications for emotion and anxiety. <i>Biological Psychology</i> , 2016, 114, 117-126.	1.1	326
81	Action-Oriented Understanding of Consciousness and the Structure of Experience. , 2016, , 261-282.		5
82	Expectations accelerate entry of visual stimuli into awareness. <i>Journal of Vision</i> , 2015, 15, 13.	0.1	85
83	Complexity of Multi-Dimensional Spontaneous EEG Decreases during Propofol Induced General Anaesthesia. <i>PLoS ONE</i> , 2015, 10, e0133532.	1.1	231
84	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.	1.3	34
85	Prior expectations facilitate metacognition for perceptual decision. <i>Consciousness and Cognition</i> , 2015, 35, 53-65.	0.8	54
86	Neural Coding: Rate and Time Codes Work Together. <i>Current Biology</i> , 2015, 25, R110-R113.	1.8	14
87	Granger Causality Analysis in Neuroscience and Neuroimaging. <i>Journal of Neuroscience</i> , 2015, 35, 3293-3297.	1.7	660
88	Editorial. <i>Neuroscience of Consciousness</i> , 2015, 2015, niv001.	1.4	1
89	Directed Spectral Methods. , 2015, , 1030-1033.		0
90	Granger causality for state-space models. <i>Physical Review E</i> , 2015, 91, 040101.	0.8	133

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91	The felt presence of other minds: Predictive processing, counterfactual predictions, and mentalising in autism. <i>Consciousness and Cognition</i> , 2015, 36, 376-389.	0.8	72
92	Presence, objecthood, and the phenomenology of predictive perception. <i>Cognitive Neuroscience</i> , 2015, 6, 111-117.	0.6	33
93	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.	3.3	364
94	Cross-modal prediction changes the timing of conscious access during the motion-induced blindness. <i>Consciousness and Cognition</i> , 2015, 31, 139-147.	0.8	23
95	Knowing your own heart: Distinguishing interoceptive accuracy from interoceptive awareness. <i>Biological Psychology</i> , 2015, 104, 65-74.	1.1	913
96	Can grapheme-color synesthesia be induced by hypnosis?. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 220.	1.0	8
97	An extended case study on the phenomenology of sequence-space synesthesia. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 433.	1.0	19
98	Fear from the Heart: Sensitivity to Fear Stimuli Depends on Individual Heartbeats. <i>Journal of Neuroscience</i> , 2014, 34, 6573-6582.	1.7	255
99	Influence of Wiring Cost on the Large-Scale Architecture of Human Cortical Connectivity. <i>PLoS Computational Biology</i> , 2014, 10, e1003557.	1.5	78
100	Directed Spectral Methods. , 2014, , 1-5.		0
101	Darwin's neuroscientist: Gerald M. Edelman, 1929-2014. <i>Frontiers in Psychology</i> , 2014, 5, 896.	1.1	3
102	Accurate Metacognition for Visual Sensory Memory Representations. <i>Psychological Science</i> , 2014, 25, 861-873.	1.8	53
103	Blind Insight: Metacognitive Discrimination Despite Chance Task Performance. <i>Psychological Science</i> , 2014, 25, 2199-2208.	1.8	47
104	What behaviourism can (and cannot) tell us about brain imaging. <i>Trends in Cognitive Sciences</i> , 2014, 18, 5-6.	4.0	2
105	Response to Gu and FitzGerald: Interoceptive inference: from decision-making to organism integrity. <i>Trends in Cognitive Sciences</i> , 2014, 18, 270-271.	4.0	10
106	The MVGC multivariate Granger causality toolbox: A new approach to Granger-causal inference. <i>Journal of Neuroscience Methods</i> , 2014, 223, 50-68.	1.3	790
107	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.	0.6	200
108	Adults Can Be Trained to Acquire Synesthetic Experiences. <i>Scientific Reports</i> , 2014, 4, 7089.	1.6	46

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109	Characterizing brain states with Granger causality. BMC Neuroscience, 2013, 14, .	0.8	0
110	Information Flow in a Kinetic Ising Model Peaks in the Disordered Phase. Physical Review Letters, 2013, 111, 177203.	2.9	99
111	What the heart forgets: Cardiac timing influences memory for words and is modulated by metacognition and interoceptive sensitivity. Psychophysiology, 2013, 50, 505-512.	1.2	125
112	Multisensory integration across exteroceptive and interoceptive domains modulates self-experience in the rubber-hand illusion. Neuropsychologia, 2013, 51, 2909-2917.	0.7	341
113	Interoceptive inference, emotion, and the embodied self. Trends in Cognitive Sciences, 2013, 17, 565-573.	4.0	1,240
114	Analysing connectivity with Granger causality and dynamic causal modelling. Current Opinion in Neurobiology, 2013, 23, 172-178.	2.0	544
115	Diagnosing synaesthesia with online colour pickers: Maximising sensitivity and specificity. Journal of Neuroscience Methods, 2013, 215, 156-160.	1.3	111
116	Psychophysiology of neural, cognitive and affective integration: How theoretical perspectives align with evidence from brain imaging. Autonomic Neuroscience: Basic and Clinical, 2013, 177, 305-306.	1.4	0
117	Granger causality analysis of fMRI BOLD signals is invariant to hemodynamic convolution but not downsampling. NeuroImage, 2013, 65, 540-555.	2.1	210
118	Extending predictive processing to the body: Emotion as interoceptive inference. Behavioral and Brain Sciences, 2013, 36, 227-228.	0.4	123
119	Measures of metacognition on signal-detection theoretic models.. Psychological Methods, 2013, 18, 535-552.	2.7	120
120	Consciousness in humans and non-human animals: recent advances and future directions. Frontiers in Psychology, 2013, 4, 625.	1.1	170
121	Neuroimaging Studies of Interoception and Self-Awareness. , 2013, , 207-224.		3
122	Neural basis of contagious itch and why some people are more prone to it. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19816-19821.	3.3	150
123	Putting Descartes before the horse: Quantum theories of consciousness. Physics of Life Reviews, 2012, 9, 297-298.	1.5	2
124	The Enactive Torch: A New Tool for the Science of Perception. IEEE Transactions on Haptics, 2012, 5, 365-375.	1.8	61
125	Will Studies of Macaque Insula Reveal the Neural Mechanisms of Self-Awareness?. Neuron, 2012, 74, 423-426.	3.8	92
126	Consciousness and the Prefrontal Parietal Network: Insights from Attention, Working Memory, and Chunking. Frontiers in Psychology, 2012, 3, 63.	1.1	99

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127	Decision-making under risk: A graph-based network analysis using functional MRI. <i>NeuroImage</i> , 2012, 60, 2191-2205.	2.1	38
128	Granger Causality Analysis of Steady-State Electroencephalographic Signals during Propofol-Induced Anaesthesia. <i>PLoS ONE</i> , 2012, 7, e29072.	1.1	138
129	Multi-Neuronal Refractory Period Adapts Centrally Generated Behaviour to Reward. <i>PLoS ONE</i> , 2012, 7, e42493.	1.1	7
130	Modes and models in disorders of consciousness science. <i>Archives Italiennes De Biologie</i> , 2012, 150, 172-84.	0.1	19
131	Wiener's Granger Causality: A well established methodology. <i>NeuroImage</i> , 2011, 58, 323-329.	2.1	734
132	Detecting conscious awareness from involuntary autonomic responses. <i>Consciousness and Cognition</i> , 2011, 20, 936-942.	0.8	8
133	Causal density and integrated information as measures of conscious level. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 3748-3767.	1.6	97
134	Do we expect natural selection to produce rational behaviour?. , 2011, , 12-36.		1
135	Optimised agent-based modelling of action selection. , 2011, , 37-60.		1
136	Compromise strategies for action selection. , 2011, , 61-90.		0
137	State-dependent foraging rules for social animals in selfish herds. , 2011, , 523-537.		0
138	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.	1.2	11
139	Behaviour of Granger causality under filtering: Theoretical invariance and practical application. <i>Journal of Neuroscience Methods</i> , 2011, 201, 404-419.	1.3	154
140	Practical Measures of Integrated Information for Time-Series Data. <i>PLoS Computational Biology</i> , 2011, 7, e1001052.	1.5	145
141	An Interoceptive Predictive Coding Model of Conscious Presence. <i>Frontiers in Psychology</i> , 2011, 2, 395.	1.1	589
142	Artificial Neural Systems for Robots. , 2011, , 214-248.		0
143	Subjective measures of implicit knowledge that go beyond confidence: Reply to Overgaard et al.. <i>Consciousness and Cognition</i> , 2010, 19, 685-686.	0.8	12
144	A MATLAB toolbox for Granger causal connectivity analysis. <i>Journal of Neuroscience Methods</i> , 2010, 186, 262-273.	1.3	706

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145	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, 674-681.	0.8	138
146	Measuring any conscious content versus measuring the relevant conscious content: Comment on Sandberg et al.. <i>Consciousness and Cognition</i> , 2010, 19, 1079-1080.	0.8	37
147	The grand challenge of consciousness. <i>Frontiers in Psychology</i> , 2010, 1, 5.	1.1	26
148	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, 1021-1026.	1.2	57
149	Multivariate Granger causality and generalized variance. <i>Physical Review E</i> , 2010, 81, 041907.	0.8	189
150	Neural theories need to account for, not discount, introspection and behavior. <i>Cognitive Neuroscience</i> , 2010, 1, 227-228.	0.6	2
151	Measuring Autonomy and Emergence via Granger Causality. <i>Artificial Life</i> , 2010, 16, 179-196.	1.0	55
152	The cognitive neuroscience of consciousness. <i>Cognitive Neuroscience</i> , 2010, 1, 153-154.	0.6	5
153	Don't Throw the Baby Iguana Out With the Bathwater. <i>Adaptive Behavior</i> , 2009, 17, 338-342.	1.1	1
154	Foreword. <i>Progress in Brain Research</i> , 2009, 177, ix-x.	0.9	0
155	Explanatory Correlates of Consciousness: Theoretical and Computational Challenges. <i>Cognitive Computation</i> , 2009, 1, 50-63.	3.6	97
156	Animal consciousness: a synthetic approach. <i>Trends in Neurosciences</i> , 2009, 32, 476-484.	4.2	176
157	Granger Causality and Transfer Entropy Are Equivalent for Gaussian Variables. <i>Physical Review Letters</i> , 2009, 103, 238701.	2.9	773
158	THE STRENGTH OF WEAK ARTIFICIAL CONSCIOUSNESS. <i>International Journal of Machine Consciousness</i> , 2009, 01, 71-82.	1.0	23
159	Partial Granger causality—Eliminating exogenous inputs and latent variables. <i>Journal of Neuroscience Methods</i> , 2008, 172, 79-93.	1.3	183
160	Theories and measures of consciousness develop together. <i>Consciousness and Cognition</i> , 2008, 17, 986-988.	0.8	18
161	Causal networks in simulated neural systems. <i>Cognitive Neurodynamics</i> , 2008, 2, 49-64.	2.3	65
162	Post-decision wagering measures metacognitive content, not sensory consciousness. <i>Consciousness and Cognition</i> , 2008, 17, 981-983.	0.8	48

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163	Embodied models of delayed neural responses: Spatiotemporal categorization and predictive motor control in brain based devices. <i>Neural Networks</i> , 2008, 21, 553-561.	3.3	12
164	Axioms, properties and criteria: Roles for synthesis in the science of consciousness. <i>Artificial Intelligence in Medicine</i> , 2008, 44, 91-104.	3.8	12
165	Measuring consciousness: relating behavioural and neurophysiological approaches. <i>Trends in Cognitive Sciences</i> , 2008, 12, 314-321.	4.0	303
166	Closing the Sensory-Motor Loop on Dopamine Signalled Reinforcement Learning. <i>Lecture Notes in Computer Science</i> , 2008, , 280-290.	1.0	2
167	The ecology of action selection: insights from artificial life. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2007, 362, 1545-1558.	1.8	52
168	Introduction. Modelling natural action selection. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2007, 362, 1521-1529.	1.8	46
169	The functional utility of consciousness depends on content as well as on state. <i>Behavioral and Brain Sciences</i> , 2007, 30, 106-106.	0.4	3
170	Distinguishing Causal Interactions in Neural Populations. <i>Neural Computation</i> , 2007, 19, 910-933.	1.3	90
171	Granger causality. <i>Scholarpedia Journal</i> , 2007, 2, 1667.	0.3	88
172	Measuring Autonomy by Multivariate Autoregressive Modelling. , 2007, , 475-484.		1
173	Single-trial discrimination of truthful from deceptive responses during a game of financial risk using alpha-band MEG signals. <i>NeuroImage</i> , 2006, 32, 465-476.	2.1	21
174	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, 10799-10804.	3.3	248
175	Identifying hallmarks of consciousness in non-mammalian species. <i>Consciousness and Cognition</i> , 2005, 14, 169-187.	0.8	153
176	Neurorobotic Models in Neuroscience and Neuroinformatics. <i>Neuroinformatics</i> , 2005, 3, 167-170.	1.5	20
177	Spatial Navigation and Causal Analysis in a Brain-Based Device Modeling Cortical-Hippocampal Interactions. <i>Neuroinformatics</i> , 2005, 3, 197-222.	1.5	87
178	Criteria for consciousness in humans and other mammals. <i>Consciousness and Cognition</i> , 2005, 14, 119-139.	0.8	219
179	Neural Darwinism and consciousness. <i>Consciousness and Cognition</i> , 2005, 14, 140-168.	0.8	62
180	Causal connectivity of evolved neural networks during behavior. <i>Network: Computation in Neural Systems</i> , 2005, 16, 35-54.	2.2	211

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181	Let's not forget about sensory consciousness. Behavioral and Brain Sciences, 2004, 27, 601-602.	0.4	3
182	Environment and Behavior Influence the Complexity of Evolved Neural Networks. Adaptive Behavior, 2004, 12, 5-20.	1.1	37
183	Visual Binding Through Reentrant Connectivity and Dynamic Synchronization in a Brain-based Device. Cerebral Cortex, 2004, 14, 1185-1199.	1.6	59
184	Active Sensing of Visual and Tactile Stimuli by Brain-based Devices. International Journal of Robotics and Automation, 2004, 19, .	0.1	15
185	The power of human brain magnetoencephalographic signals can be modulated up or down by changes in an attentive visual task. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 3501-3506.	3.3	56
186	Modeling Group Foraging: Individual Suboptimality, Interference, and a Kind of Matching. Adaptive Behavior, 2001, 9, 67-89.	1.1	33
187	Facial expression megamix: Tests of dimensional and category accounts of emotion recognition. Cognition, 1997, 63, 271-313.	1.1	506
188	Cortical mechanisms of action selection: the affordance competition hypothesis. , 0, , 208-238.		5