

Raymond Joseph Dolan

List of Publications by Citations

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648 papers	96,076 citations	161 h-index	294 g-index
698 ext. papers	108,085 ext. citations	8.6 avg, IF	8.35 L-index

#	Paper	IF	Citations
648	Empathy for pain involves the affective but not sensory components of pain. <i>Science</i> , 2004 , 303, 1157-62	33.3	2770
647	Neural systems supporting interoceptive awareness. <i>Nature Neuroscience</i> , 2004 , 7, 189-95	25.5	2513
646	Psychophysiological and modulatory interactions in neuroimaging. <i>NeuroImage</i> , 1997 , 6, 218-29	7.9	2433
645	A differential neural response in the human amygdala to fearful and happy facial expressions. <i>Nature</i> , 1996 , 383, 812-5	50.4	1694
644	Dissociable roles of ventral and dorsal striatum in instrumental conditioning. <i>Science</i> , 2004 , 304, 452-4	33.3	1671
643	Conscious and unconscious emotional learning in the human amygdala. <i>Nature</i> , 1998 , 393, 467-70	50.4	1470
642	Cortical substrates for exploratory decisions in humans. <i>Nature</i> , 2006 , 441, 876-9	50.4	1390
641	Effects of attention and emotion on face processing in the human brain: an event-related fMRI study. <i>Neuron</i> , 2001 , 30, 829-41	13.9	1354
640	Other minds in the brain: a functional imaging study of "theory of mind" in story comprehension. <i>Cognition</i> , 1995 , 57, 109-28	3.5	1287
639	Empathic neural responses are modulated by the perceived fairness of others. <i>Nature</i> , 2006 , 439, 466-9	50.4	1233
638	Emotion, cognition, and behavior. <i>Science</i> , 2002 , 298, 1191-4	33.3	1215
637	Temporal difference models and reward-related learning in the human brain. <i>Neuron</i> , 2003 , 38, 329-37	13.9	1139
636	Dopamine-dependent prediction errors underpin reward-seeking behaviour in humans. <i>Nature</i> , 2006 , 442, 1042-5	50.4	1117
635	A subcortical pathway to the right amygdala mediating "unseen" fear. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 1680-5	11.5	1062
634	Model-based influences on humans' choices and striatal prediction errors. <i>Neuron</i> , 2011 , 69, 1204-15	13.9	1004
633	Frames, biases, and rational decision-making in the human brain. <i>Science</i> , 2006 , 313, 684-7	33.3	977
632	Encoding predictive reward value in human amygdala and orbitofrontal cortex. <i>Science</i> , 2003 , 301, 1104-7	33.3	937

631	Human cingulate cortex and autonomic control: converging neuroimaging and clinical evidence. <i>Brain</i> , 2003 , 126, 2139-52	11.2	917
630	Distinct spatial frequency sensitivities for processing faces and emotional expressions. <i>Nature Neuroscience</i> , 2003 , 6, 624-31	25.5	891
629	Neural responses during anticipation of a primary taste reward. <i>Neuron</i> , 2002 , 33, 815-26	13.9	887
628	Brain systems mediating aversive conditioning: an event-related fMRI study. <i>Neuron</i> , 1998 , 20, 947-57	13.9	770
627	Distant influences of amygdala lesion on visual cortical activation during emotional face processing. <i>Nature Neuroscience</i> , 2004 , 7, 1271-8	25.5	747
626	Brain regions associated with acquisition and retrieval of verbal episodic memory. <i>Nature</i> , 1994 , 368, 633-5	50.4	740
625	Beauty in a smile: the role of medial orbitofrontal cortex in facial attractiveness. <i>Neuropsychologia</i> , 2003 , 41, 147-55	3.2	686
624	When fear is near: threat imminence elicits prefrontal-periaqueductal gray shifts in humans. <i>Science</i> , 2007 , 317, 1079-83	33.3	639
623	Neural activity relating to generation and representation of galvanic skin conductance responses: a functional magnetic resonance imaging study. <i>Journal of Neuroscience</i> , 2000 , 20, 3033-40	6.6	620
622	The anatomy of melancholia--focal abnormalities of cerebral blood flow in major depression. <i>Psychological Medicine</i> , 1992 , 22, 607-15	6.9	614
621	Dissociable neural responses in human reward systems. <i>Journal of Neuroscience</i> , 2000 , 20, 6159-65	6.6	595
620	Goals and habits in the brain. <i>Neuron</i> , 2013 , 80, 312-25	13.9	577
619	Relating introspective accuracy to individual differences in brain structure. <i>Science</i> , 2010 , 329, 1541-3	33.3	542
618	The mind's eye--precuneus activation in memory-related imagery. <i>NeuroImage</i> , 1995 , 2, 195-200	7.9	539
617	Neural activity in the human brain relating to uncertainty and arousal during anticipation. <i>Neuron</i> , 2001 , 29, 537-45	13.9	535
616	Where in the brain does visual attention select the forest and the trees?. <i>Nature</i> , 1996 , 382, 626-8	50.4	515
615	Neuroimaging evidence for dissociable forms of repetition priming. <i>Science</i> , 2000 , 287, 1269-72	33.3	509
614	Dissociating valence of outcome from behavioral control in human orbital and ventral prefrontal cortices. <i>Journal of Neuroscience</i> , 2003 , 23, 7931-9	6.6	506

613	Neural systems engaged by planning: a PET study of the Tower of London task. <i>Neuropsychologia</i> , 1996 , 34, 515-26	3.2	495
612	Neural activation during selective attention to subjective emotional responses. <i>NeuroReport</i> , 1997 , 8, 3969-72	1.7	490
611	Temporal difference models describe higher-order learning in humans. <i>Nature</i> , 2004 , 429, 664-7	50.4	488
610	'Theory of mind' in the brain. Evidence from a PET scan study of Asperger syndrome. <i>NeuroReport</i> , 1996 , 8, 197-201	1.7	478
609	Regret and its avoidance: a neuroimaging study of choice behavior. <i>Nature Neuroscience</i> , 2005 , 8, 1255-62	5.5	477
608	Computational psychiatry. <i>Trends in Cognitive Sciences</i> , 2012 , 16, 72-80	14	470
607	How the brain translates money into force: a neuroimaging study of subliminal motivation. <i>Science</i> , 2007 , 316, 904-6	33.3	455
606	Multiple levels of visual object constancy revealed by event-related fMRI of repetition priming. <i>Nature Neuroscience</i> , 2002 , 5, 491-9	25.5	451
605	The trouble with cognitive subtraction. <i>NeuroImage</i> , 1996 , 4, 97-104	7.9	441
604	Morphing Marilyn into Maggie dissociates physical and identity face representations in the brain. <i>Nature Neuroscience</i> , 2005 , 8, 107-13	25.5	437
603	The nose smells what the eye sees: crossmodal visual facilitation of human olfactory perception. <i>Neuron</i> , 2003 , 39, 375-86	13.9	416
602	The neural consequences of conflict between intention and the senses. <i>Brain</i> , 1999 , 122 (Pt 3), 497-512	11.2	415
601	Encoding of emotional memories depends on amygdala and hippocampus and their interactions. <i>Nature Neuroscience</i> , 2004 , 7, 278-85	25.5	411
600	Common effects of emotional valence, arousal and attention on neural activation during visual processing of pictures. <i>Neuropsychologia</i> , 1999 , 37, 989-97	3.2	408
599	Context-dependent human extinction memory is mediated by a ventromedial prefrontal and hippocampal network. <i>Journal of Neuroscience</i> , 2006 , 26, 9503-11	6.6	402
598	Amygdala-hippocampal involvement in human aversive trace conditioning revealed through event-related functional magnetic resonance imaging. <i>Journal of Neuroscience</i> , 1999 , 19, 10869-76	6.6	396
597	Fear conditioning in humans: the influence of awareness and autonomic arousal on functional neuroanatomy. <i>Neuron</i> , 2002 , 33, 653-63	13.9	389
596	How unrealistic optimism is maintained in the face of reality. <i>Nature Neuroscience</i> , 2011 , 14, 1475-9	25.5	383

595	fMRI-adaptation reveals dissociable neural representations of identity and expression in face perception. <i>Journal of Neurophysiology</i> , 2004 , 92, 1830-9	3.2	379
594	Dissociating prefrontal and hippocampal function in episodic memory encoding. <i>Nature</i> , 1997 , 388, 582-5	50.4	368
593	Reward value coding distinct from risk attitude-related uncertainty coding in human reward systems. <i>Journal of Neurophysiology</i> , 2007 , 97, 1621-32	3.2	362
592	Anterior cingulate activity during error and autonomic response. <i>NeuroImage</i> , 2005 , 27, 885-95	7.9	362
591	The neural basis of metacognitive ability. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012 , 367, 1338-49	5.8	360
590	Activity in ventromedial prefrontal cortex covaries with sympathetic skin conductance level: a physiological account of a "default mode" of brain function. <i>NeuroImage</i> , 2004 , 22, 243-51	7.9	358
589	Differential encoding of losses and gains in the human striatum. <i>Journal of Neuroscience</i> , 2007 , 27, 4826-36	3.6	356
588	The neural basis of mood-congruent processing biases in depression. <i>Archives of General Psychiatry</i> , 2002 , 59, 597-604		355
587	Oxytocin attenuates affective evaluations of conditioned faces and amygdala activity. <i>Journal of Neuroscience</i> , 2008 , 28, 6607-15	6.6	344
586	Opponent appetitive-aversive neural processes underlie predictive learning of pain relief. <i>Nature Neuroscience</i> , 2005 , 8, 1234-40	25.5	340
585	Explaining modulation of reasoning by belief. <i>Cognition</i> , 2003 , 87, B11-22	3.5	336
584	Appetitive and aversive olfactory learning in humans studied using event-related functional magnetic resonance imaging. <i>Journal of Neuroscience</i> , 2002 , 22, 10829-37	6.6	335
583	Reward value of attractiveness and gaze. <i>Nature</i> , 2001 , 413, 589	50.4	323
582	Brain activity underlying encoding and retrieval of source memory. <i>Cerebral Cortex</i> , 2002 , 12, 1048-56	5.1	321
581	Brain responses to the acquired moral status of faces. <i>Neuron</i> , 2004 , 41, 653-62	13.9	318
580	Confidence in value-based choice. <i>Nature Neuroscience</i> , 2013 , 16, 105-10	25.5	316
579	Brain systems for assessing facial attractiveness. <i>Neuropsychologia</i> , 2007 , 45, 195-206	3.2	311
578	Common and distinct neural responses during direct and incidental processing of multiple facial emotions. <i>NeuroImage</i> , 2003 , 20, 84-97	7.9	310

577	Modulation of spatial attention by fear-conditioned stimuli: an event-related fMRI study. <i>Neuropsychologia</i> , 2002 , 40, 817-26	3.2	308
576	How the brain learns to see objects and faces in an impoverished context. <i>Nature</i> , 1997 , 389, 596-9	50.4	306
575	From threat to fear: the neural organization of defensive fear systems in humans. <i>Journal of Neuroscience</i> , 2009 , 29, 12236-43	6.6	303
574	Human orbitofrontal cortex mediates extinction learning while accessing conditioned representations of value. <i>Nature Neuroscience</i> , 2004 , 7, 1144-52	25.5	294
573	Attentional load and sensory competition in human vision: modulation of fMRI responses by load at fixation during task-irrelevant stimulation in the peripheral visual field. <i>Cerebral Cortex</i> , 2005 , 15, 770-86	5.1	294
572	Neural correlates of value, risk, and risk aversion contributing to decision making under risk. <i>Journal of Neuroscience</i> , 2009 , 29, 12574-83	6.6	290
571	Confidence in recognition memory for words: dissociating right prefrontal roles in episodic retrieval. <i>Journal of Cognitive Neuroscience</i> , 2000 , 12, 913-23	3.1	289
570	Dissociation of mechanisms underlying syllogistic reasoning. <i>NeuroImage</i> , 2000 , 12, 504-14	7.9	285
569	Classical fear conditioning in functional neuroimaging. <i>Current Opinion in Neurobiology</i> , 2000 , 10, 219-23	7.6	279
568	The functional anatomy of humor: segregating cognitive and affective components. <i>Nature Neuroscience</i> , 2001 , 4, 237-8	25.5	277
567	Neural activity associated with episodic memory for emotional context. <i>Neuropsychologia</i> , 2001 , 39, 910-20	3.0	277
566	Neuroanatomical basis for first- and second-order representations of bodily states. <i>Nature Neuroscience</i> , 2001 , 4, 207-12	25.5	276
565	Segregating the functions of human hippocampus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 4034-9	11.5	275
564	A functional anatomy of anticipatory anxiety. <i>NeuroImage</i> , 1999 , 9, 563-71	7.9	273
563	Brain activity relating to the contingent negative variation: an fMRI investigation. <i>NeuroImage</i> , 2004 , 21, 1232-41	7.9	271
562	Computational psychiatry: the brain as a phantastic organ. <i>Lancet Psychiatry</i> , 2014 , 1, 148-58	23.3	269
561	Functional heterogeneity in human olfactory cortex: an event-related functional magnetic resonance imaging study. <i>Journal of Neuroscience</i> , 2002 , 22, 10819-28	6.6	269
560	Threatening a rubber hand that you feel is yours elicits a cortical anxiety response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 9828-33	11.5	262

559	Maintenance versus manipulation in verbal working memory revisited: an fMRI study. <i>NeuroImage</i> , 2003 , 18, 247-56	7.9	259
558	Predictive neural coding of reward preference involves dissociable responses in human ventral midbrain and ventral striatum. <i>Neuron</i> , 2006 , 49, 157-66	13.9	258
557	Adolescence is associated with genomically patterned consolidation of the hubs of the human brain connectome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 9105-10	11.5	255
556	Activity in the human brain predicting differential heart rate responses to emotional facial expressions. <i>NeuroImage</i> , 2005 , 24, 751-62	7.9	253
555	Anxiety reduction through detachment: subjective, physiological, and neural effects. <i>Journal of Cognitive Neuroscience</i> , 2005 , 17, 874-83	3.1	246
554	Neural origins of human sickness in interoceptive responses to inflammation. <i>Biological Psychiatry</i> , 2009 , 66, 415-22	7.9	244
553	Subliminal instrumental conditioning demonstrated in the human brain. <i>Neuron</i> , 2008 , 59, 561-7	13.9	244
552	Neural response to emotional faces with and without awareness: event-related fMRI in a parietal patient with visual extinction and spatial neglect. <i>Neuropsychologia</i> , 2002 , 40, 2156-66	3.2	244
551	Seen gaze-direction modulates fusiform activity and its coupling with other brain areas during face processing. <i>NeuroImage</i> , 2001 , 13, 1102-12	7.9	244
550	Abnormal cingulate modulation of fronto-temporal connectivity in schizophrenia. <i>NeuroImage</i> , 1999 , 9, 337-42	7.9	244
549	Beta-adrenergic modulation of emotional memory-evoked human amygdala and hippocampal responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 11454-8	11.5	241
548	Go and no-go learning in reward and punishment: interactions between affect and effect. <i>NeuroImage</i> , 2012 , 62, 154-66	7.9	237
547	Prefrontal contributions to metacognition in perceptual decision making. <i>Journal of Neuroscience</i> , 2012 , 32, 6117-25	6.6	235
546	The role of the prefrontal cortex in higher cognitive functions. <i>Cognitive Brain Research</i> , 1996 , 5, 175-81		231
545	Mechanisms underlying dopamine-mediated reward bias in compulsive behaviors. <i>Neuron</i> , 2010 , 65, 135-42	13.9	230
544	The role of human orbitofrontal cortex in value comparison for incommensurable objects. <i>Journal of Neuroscience</i> , 2009 , 29, 8388-95	6.6	229
543	Integrated neural representations of odor intensity and affective valence in human amygdala. <i>Journal of Neuroscience</i> , 2005 , 25, 8903-7	6.6	228
542	The role of the prefrontal cortex in recognition memory and memory for source: an fMRI study. <i>NeuroImage</i> , 1999 , 10, 520-9	7.9	228

541	An emotion-induced retrograde amnesia in humans is amygdala- and beta-adrenergic-dependent. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 13626-31	11.5	227
540	Human pavlovian-instrumental transfer. <i>Journal of Neuroscience</i> , 2008 , 28, 360-8	6.6	225
539	Anterolateral prefrontal cortex mediates the analgesic effect of expected and perceived control over pain. <i>Journal of Neuroscience</i> , 2006 , 26, 11501-9	6.6	225
538	Prefrontal dysfunction in depressed patients performing a complex planning task: a study using positron emission tomography. <i>Psychological Medicine</i> , 1997 , 27, 931-42	6.9	224
537	fMRI correlates of the episodic retrieval of emotional contexts. <i>NeuroImage</i> , 2004 , 22, 868-78	7.9	221
536	How the opinion of others affects our valuation of objects. <i>Current Biology</i> , 2010 , 20, 1165-70	6.3	220
535	Mapping value based planning and extensively trained choice in the human brain. <i>Nature Neuroscience</i> , 2012 , 15, 786-91	25.5	214
534	Disentangling the roles of approach, activation and valence in instrumental and pavlovian responding. <i>PLoS Computational Biology</i> , 2011 , 7, e1002028	5	214
533	Crossmodal binding of fear in voice and face. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001 , 98, 10006-10	11.5	211
532	Dopamine, affordance and active inference. <i>PLoS Computational Biology</i> , 2012 , 8, e1002327	5	208
531	Dopamine, time, and impulsivity in humans. <i>Journal of Neuroscience</i> , 2010 , 30, 8888-96	6.6	206
530	Covariation of activity in habenula and dorsal rapht nuclei following tryptophan depletion. <i>NeuroImage</i> , 1999 , 10, 163-72	7.9	206
529	Fear from the heart: sensitivity to fear stimuli depends on individual heartbeats. <i>Journal of Neuroscience</i> , 2014 , 34, 6573-82	6.6	205
528	A computational and neural model of momentary subjective well-being. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 12252-7	11.5	204
527	Knowing how much you don't know: a neural organization of uncertainty estimates. <i>Nature Reviews Neuroscience</i> , 2012 , 13, 572-86	13.5	201
526	Emotion, decision making, and the amygdala. <i>Neuron</i> , 2008 , 58, 662-71	13.9	201
525	Contrast polarity and face recognition in the human fusiform gyrus. <i>Nature Neuroscience</i> , 1999 , 2, 574-80	5.5	201
524	Dopamine enhances model-based over model-free choice behavior. <i>Neuron</i> , 2012 , 75, 418-24	13.9	198

523	Remembrance of odors past: human olfactory cortex in cross-modal recognition memory. <i>Neuron</i> , 2004 , 42, 687-95	13.9	198
522	Task and content modulate amygdala-hippocampal connectivity in emotional retrieval. <i>Neuron</i> , 2006 , 49, 631-8	13.9	197
521	Levels of appraisal: a medial prefrontal role in high-level appraisal of emotional material. <i>NeuroImage</i> , 2006 , 30, 1458-66	7.9	196
520	Prefrontal cortex fails to learn from reward prediction errors in alcohol dependence. <i>Journal of Neuroscience</i> , 2010 , 30, 7749-53	6.6	195
519	Neural responses associated with cue evoked emotional states and heroin in opiate addicts. <i>Drug and Alcohol Dependence</i> , 2000 , 60, 207-16	4.9	194
518	Separate coding of different gaze directions in the superior temporal sulcus and inferior parietal lobule. <i>Current Biology</i> , 2007 , 17, 20-5	6.3	190
517	Brain, emotion and decision making: the paradigmatic example of regret. <i>Trends in Cognitive Sciences</i> , 2007 , 11, 258-65	14	190
516	Dissociable temporal lobe activations during emotional episodic memory retrieval. <i>NeuroImage</i> , 2000 , 11, 203-9	7.9	189
515	Neural activation during covert processing of positive emotional facial expressions. <i>NeuroImage</i> , 1996 , 4, 194-200	7.9	185
514	Choosing to make an effort: the role of striatum in signaling physical effort of a chosen action. <i>Journal of Neurophysiology</i> , 2010 , 104, 313-21	3.2	184
513	Free energy, precision and learning: the role of cholinergic neuromodulation. <i>Journal of Neuroscience</i> , 2013 , 33, 8227-36	6.6	183
512	Effects of oxytocin and prosocial behavior on brain responses to direct and vicariously experienced pain. <i>Emotion</i> , 2008 , 8, 781-91	4.1	183
511	Abnormal ventral frontal response during performance of an affective go/no go task in patients with mania. <i>Biological Psychiatry</i> , 2004 , 55, 1163-70	7.9	181
510	Saying it with feeling: neural responses to emotional vocalizations. <i>Neuropsychologia</i> , 1999 , 37, 1155-63	3.2	181
509	Depression is related to an absence of optimistically biased belief updating about future life events. <i>Psychological Medicine</i> , 2014 , 44, 579-92	6.9	180
508	The neurobiology of punishment. <i>Nature Reviews Neuroscience</i> , 2007 , 8, 300-11	13.5	180
507	Information theory, novelty and hippocampal responses: unpredicted or unpredictable?. <i>Neural Networks</i> , 2005 , 18, 225-30	9.1	180
506	Anticipation of novelty recruits reward system and hippocampus while promoting recollection. <i>NeuroImage</i> , 2007 , 38, 194-202	7.9	178

505	Volitional control of autonomic arousal: a functional magnetic resonance study. <i>NeuroImage</i> , 2002 , 16, 909-19	7.9	178
504	The anatomy of choice: active inference and agency. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 598	3.3	177
503	Differential involvement of left prefrontal cortex in inductive and deductive reasoning. <i>Cognition</i> , 2004 , 93, B109-21	3.5	177
502	Online evaluation of novel choices by simultaneous representation of multiple memories. <i>Nature Neuroscience</i> , 2013 , 16, 1492-8	25.5	175
501	Dopamine restores reward prediction errors in old age. <i>Nature Neuroscience</i> , 2013 , 16, 648-53	25.5	173
500	Action dominates valence in anticipatory representations in the human striatum and dopaminergic midbrain. <i>Journal of Neuroscience</i> , 2011 , 31, 7867-75	6.6	171
499	Differential neural response to positive and negative feedback in planning and guessing tasks. <i>Neuropsychologia</i> , 1997 , 35, 1395-404	3.2	171
498	Striatal activity underlies novelty-based choice in humans. <i>Neuron</i> , 2008 , 58, 967-73	13.9	171
497	Ventromedial prefrontal cortex mediates guessing. <i>Neuropsychologia</i> , 1999 , 37, 403-11	3.2	168
496	An agent independent axis for executed and modeled choice in medial prefrontal cortex. <i>Neuron</i> , 2012 , 75, 1114-21	13.9	165
495	A genetically mediated bias in decision making driven by failure of amygdala control. <i>Journal of Neuroscience</i> , 2009 , 29, 5985-91	6.6	165
494	The interaction between mood and cognitive function studied with PET. <i>Psychological Medicine</i> , 1997 , 27, 565-78	6.9	165
493	Striatal dysfunction during reversal learning in unmedicated schizophrenia patients. <i>NeuroImage</i> , 2014 , 89, 171-80	7.9	164
492	Encoding of marginal utility across time in the human brain. <i>Journal of Neuroscience</i> , 2009 , 29, 9575-81	6.6	163
491	Functional neuroanatomy of three-term relational reasoning. <i>Neuropsychologia</i> , 2001 , 39, 901-9	3.2	163
490	Dopamine agonists and risk: impulse control disorders in Parkinson's disease. <i>Brain</i> , 2011 , 134, 1438-46	11.2	162
489	Harm to others outweighs harm to self in moral decision making. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 17320-5	11.5	161
488	Serotonin selectively modulates reward value in human decision-making. <i>Journal of Neuroscience</i> , 2012 , 32, 5833-42	6.6	161

487	Action versus valence in decision making. <i>Trends in Cognitive Sciences</i> , 2014 , 18, 194-202	14	160
486	Ventral striatal dopamine reflects behavioral and neural signatures of model-based control during sequential decision making. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 1595-600	11.5	160
485	Effects of cholinergic enhancement on visual stimulation, spatial attention, and spatial working memory. <i>Neuron</i> , 2004 , 41, 969-82	13.9	159
484	Selective attention to emotional stimuli in a verbal go/no-go task: an fMRI study. <i>NeuroReport</i> , 2000 , 11, 1739-44	1.7	159
483	Disruption of dorsolateral prefrontal cortex decreases model-based in favor of model-free control in humans. <i>Neuron</i> , 2013 , 80, 914-9	13.9	158
482	How choice reveals and shapes expected hedonic outcome. <i>Journal of Neuroscience</i> , 2009 , 29, 3760-5	6.6	158
481	Explaining enhanced logical consistency during decision making in autism. <i>Journal of Neuroscience</i> , 2008 , 28, 10746-50	6.6	156
480	Predictors of post-traumatic stress disorder following physical trauma: an examination of the stressor criterion. <i>Psychological Medicine</i> , 1991 , 21, 85-91	6.9	156
479	Dissociable codes of odor quality and odorant structure in human piriform cortex. <i>Neuron</i> , 2006 , 49, 467-79	13.9	155
478	Pre-operative verbal memory fMRI predicts post-operative memory decline after left temporal lobe resection. <i>Brain</i> , 2004 , 127, 2419-26	11.2	155
477	Cortical and subcortical gray matter abnormalities in schizophrenia determined through structural magnetic resonance imaging with optimized volumetric voxel-based morphometry. <i>American Journal of Psychiatry</i> , 2002 , 159, 1497-505	11.9	155
476	Differential neural responses during performance of matching and nonmatching to sample tasks at two delay intervals. <i>Journal of Neuroscience</i> , 1999 , 19, 5066-73	6.6	155
475	Impulsive choice and response in dopamine agonist-related impulse control behaviors. <i>Psychopharmacology</i> , 2010 , 207, 645-59	4.7	154
474	The development of metacognitive ability in adolescence. <i>Consciousness and Cognition</i> , 2013 , 22, 264-71	12.6	153
473	Human amygdala responses to fearful eyes. <i>NeuroImage</i> , 2002 , 17, 214-22	7.9	151
472	Imitating expressions: emotion-specific neural substrates in facial mimicry. <i>Social Cognitive and Affective Neuroscience</i> , 2006 , 1, 122-35	4	150
471	Effects of low-spatial frequency components of fearful faces on fusiform cortex activity. <i>Current Biology</i> , 2003 , 13, 1824-9	6.3	150
470	Morphometric Similarity Networks Detect Microscale Cortical Organization and Predict Inter-Individual Cognitive Variation. <i>Neuron</i> , 2018 , 97, 231-247.e7	13.9	149

469	Reciprocal neural response within lateral and ventral medial prefrontal cortex during hot and cold reasoning. <i>NeuroImage</i> , 2003 , 20, 2314-21	7.9	149
468	Voxel-based morphometry reveals reduced grey matter volume in the temporal cortex of developmental prosopagnosics. <i>Brain</i> , 2009 , 132, 3443-55	11.2	148
467	Activation of different anterior cingulate foci in association with hypothesis testing and response selection. <i>NeuroImage</i> , 1998 , 8, 17-29	7.9	148
466	How humans integrate the prospects of pain and reward during choice. <i>Journal of Neuroscience</i> , 2009 , 29, 14617-26	6.6	147
465	Metacognition: computation, biology and function. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012 , 367, 1280-6	5.8	146
464	fMRI activity patterns in human LOC carry information about object exemplars within category. <i>Journal of Cognitive Neuroscience</i> , 2008 , 20, 356-70	3.1	146
463	Local and distributed effects of apomorphine on fronto-temporal function in acute unmedicated schizophrenia. <i>Journal of Neuroscience</i> , 1996 , 16, 7055-62	6.6	146
462	The anatomy of choice: dopamine and decision-making. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014 , 369,	5.8	145
461	Familiarity enhances invariance of face representations in human ventral visual cortex: fMRI evidence. <i>NeuroImage</i> , 2005 , 26, 1128-39	7.9	145
460	Human neural learning depends on reward prediction errors in the blocking paradigm. <i>Journal of Neurophysiology</i> , 2006 , 95, 301-10	3.2	145
459	Abnormal neural response to feedback on planning and guessing tasks in patients with unipolar depression. <i>Psychological Medicine</i> , 1998 , 28, 559-71	6.9	145
458	Neural mechanisms of belief inference during cooperative games. <i>Journal of Neuroscience</i> , 2010 , 30, 10744-51	6.6	144
457	Dopamine modulates reward-related vigor. <i>Neuropsychopharmacology</i> , 2013 , 38, 1495-503	8.7	143
456	Changes in brain activity following sacral neuromodulation for urinary retention. <i>Journal of Urology</i> , 2005 , 174, 2268-72	2.5	143
455	Game theory of mind. <i>PLoS Computational Biology</i> , 2008 , 4, e1000254	5	142
454	Does temporal discounting explain unhealthy behavior? A systematic review and reinforcement learning perspective. <i>Frontiers in Behavioral Neuroscience</i> , 2014 , 8, 76	3.5	141
453	Noradrenergic modulation of emotion-induced forgetting and remembering. <i>Journal of Neuroscience</i> , 2005 , 25, 6343-9	6.6	141
452	Dopamine modulates episodic memory persistence in old age. <i>Journal of Neuroscience</i> , 2012 , 32, 14193-204	204	139

451	Fusiform gyrus face selectivity relates to individual differences in facial recognition ability. <i>Journal of Cognitive Neuroscience</i> , 2011 , 23, 1723-40	3.1	139
450	A map of abstract relational knowledge in the human hippocampal-entorhinal cortex. <i>ELife</i> , 2017 , 6,	8.9	139
449	Computations of uncertainty mediate acute stress responses in humans. <i>Nature Communications</i> , 2016 , 7, 10996	17.4	139
448	Cholinergic enhancement modulates neural correlates of selective attention and emotional processing. <i>NeuroImage</i> , 2003 , 20, 58-70	7.9	138
447	Developmental cognitive neuroscience using latent change score models: A tutorial and applications. <i>Developmental Cognitive Neuroscience</i> , 2018 , 33, 99-117	5.5	138
446	Human Replay Spontaneously Reorganizes Experience. <i>Cell</i> , 2019 , 178, 640-652.e14	56.2	137
445	Attentional modulation of alpha/beta and gamma oscillations reflect functionally distinct processes. <i>Journal of Neuroscience</i> , 2014 , 34, 16117-25	6.6	137
444	Following the crowd: brain substrates of long-term memory conformity. <i>Science</i> , 2011 , 333, 108-11	33.3	136
443	Dynamic causal models of steady-state responses. <i>NeuroImage</i> , 2009 , 44, 796-811	7.9	136
442	Dopamine in amygdala gates limbic processing of aversive stimuli in humans. <i>Nature Neuroscience</i> , 2008 , 11, 1381-2	25.5	136
441	Brain activations in schizophrenia during a graded memory task studied with functional neuroimaging. <i>Archives of General Psychiatry</i> , 1998 , 55, 1001-8		136
440	Pupillary contagion: central mechanisms engaged in sadness processing. <i>Social Cognitive and Affective Neuroscience</i> , 2006 , 1, 5-17	4	135
439	Risk-dependent reward value signal in human prefrontal cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 7185-90	11.5	129
438	Neural correlates of self-distraction from anxiety and a process model of cognitive emotion regulation. <i>Journal of Cognitive Neuroscience</i> , 2006 , 18, 1266-76	3.1	129
437	Mood as Representation of Momentum. <i>Trends in Cognitive Sciences</i> , 2016 , 20, 15-24	14	128
436	The neurobiology of reference-dependent value computation. <i>Journal of Neuroscience</i> , 2009 , 29, 3833-48.6	48.6	127
435	Time-series analysis for rapid event-related skin conductance responses. <i>Journal of Neuroscience Methods</i> , 2009 , 184, 224-34	3	127
434	Modulation of pain processing in hyperalgesia by cognitive demand. <i>NeuroImage</i> , 2005 , 27, 59-69	7.9	127

433	Alterations in brain connectivity underlying beta oscillations in Parkinsonism. <i>PLoS Computational Biology</i> , 2011 , 7, e1002124	5	126
432	Modelling event-related skin conductance responses. <i>International Journal of Psychophysiology</i> , 2010 , 75, 349-56	2.9	125
431	Dimensional psychiatry: reward dysfunction and depressive mood across psychiatric disorders. <i>Psychopharmacology</i> , 2015 , 232, 331-41	4.7	122
430	Selective attention modulates neural substrates of repetition priming and "implicit" visual memory: suppressions and enhancements revealed by fMRI. <i>Journal of Cognitive Neuroscience</i> , 2005 , 17, 1245-60	3.1	122
429	Attributions and self-esteem in depression and chronic fatigue syndromes. <i>Journal of Psychosomatic Research</i> , 1990 , 34, 665-73	4.1	122
428	How dopamine enhances an optimism bias in humans. <i>Current Biology</i> , 2012 , 22, 1477-81	6.3	120
427	Effort and valuation in the brain: the effects of anticipation and execution. <i>Journal of Neuroscience</i> , 2013 , 33, 6160-9	6.6	120
426	Cholinergic modulation of cognition: insights from human pharmacological functional neuroimaging. <i>Progress in Neurobiology</i> , 2011 , 94, 360-88	10.9	117
425	Neural correlates of memory retrieval during recognition memory and cued recall. <i>NeuroImage</i> , 1998 , 8, 262-73	7.9	117
424	Gene transcription profiles associated with inter-modular hubs and connection distance in human functional magnetic resonance imaging networks. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016 , 371,	5.8	116
423	Deep and superficial amygdala nuclei projections revealed in vivo by probabilistic tractography. <i>Journal of Neuroscience</i> , 2011 , 31, 618-23	6.6	115
422	Dopamine and performance in a reinforcement learning task: evidence from Parkinson's disease. <i>Brain</i> , 2012 , 135, 1871-83	11.2	115
421	Brain mechanisms associated with top-down processes in perception. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1997 , 352, 1221-30	5.8	115
420	The Dopaminergic Midbrain Encodes the Expected Certainty about Desired Outcomes. <i>Cerebral Cortex</i> , 2015 , 25, 3434-45	5.1	114
419	Overcoming status quo bias in the human brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 6005-9	11.5	114
418	Dopaminergic Modulation of Decision Making and Subjective Well-Being. <i>Journal of Neuroscience</i> , 2015 , 35, 9811-22	6.6	113
417	Cholinergic modulation of experience-dependent plasticity in human auditory cortex. <i>Neuron</i> , 2002 , 35, 567-74	13.9	111
416	Dopamine and effort-based decision making. <i>Frontiers in Neuroscience</i> , 2011 , 5, 81	5.1	110

4 ¹⁵	Dissociable amygdala and orbitofrontal responses during reversal fear conditioning. <i>NeuroImage</i> , 2004 , 22, 372-80	7.9	110
4 ¹⁴	Brain mechanisms for detecting perceptual, semantic, and emotional deviance. <i>NeuroImage</i> , 2000 , 12, 425-33	7.9	110
4 ¹³	Locus coeruleus imaging as a biomarker for noradrenergic dysfunction in neurodegenerative diseases. <i>Brain</i> , 2019 , 142, 2558-2571	11.2	109
4 ¹²	Selectively altering belief formation in the human brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 17058-62	11.5	109
4 ¹¹	Brain mechanisms associated with depressive relapse and associated cognitive impairment following acute tryptophan depletion. <i>British Journal of Psychiatry</i> , 1999 , 174, 525-9	5.4	107
4 ¹⁰	Do decisions shape preference? Evidence from blind choice. <i>Psychological Science</i> , 2010 , 21, 1231-5	7.9	106
4 ⁰⁹	An in vivo assay of synaptic function mediating human cognition. <i>Current Biology</i> , 2011 , 21, 1320-5	6.3	105
4 ⁰⁸	Memory fMRI in left hippocampal sclerosis: optimizing the approach to predicting postsurgical memory. <i>Neurology</i> , 2006 , 66, 699-705	6.5	105
4 ⁰⁷	Contingency awareness in human aversive conditioning involves the middle frontal gyrus. <i>NeuroImage</i> , 2006 , 29, 1007-12	7.9	105
4 ⁰⁶	Human hippocampus arbitrates approach-avoidance conflict. <i>Current Biology</i> , 2014 , 24, 541-7	6.3	104
4 ⁰⁵	Cholinergic enhancement of visual attention and neural oscillations in the human brain. <i>Current Biology</i> , 2012 , 22, 397-402	6.3	104
4 ⁰⁴	Unconscious fear influences emotional awareness of faces and voices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 18682-7	11.5	103
4 ⁰³	Computational and dynamic models in neuroimaging. <i>NeuroImage</i> , 2010 , 52, 752-65	7.9	102
4 ⁰²	Anatomical segregation of component processes in an inductive inference task. <i>Journal of Cognitive Neuroscience</i> , 2000 , 12, 110-9	3.1	102
4 ⁰¹	Structural covariance networks are coupled to expression of genes enriched in supragranular layers of the human cortex. <i>NeuroImage</i> , 2018 , 171, 256-267	7.9	101
4 ⁰⁰	Bayesian inferences about the self (and others): a review. <i>Consciousness and Cognition</i> , 2014 , 25, 67-76	2.6	101
3 ⁹⁹	Amygdala damage affects event-related potentials for fearful faces at specific time windows. <i>Human Brain Mapping</i> , 2010 , 31, 1089-105	5.9	101
3 ⁹⁸	BOLD repetition decreases in object-responsive ventral visual areas depend on spatial attention. <i>Journal of Neurophysiology</i> , 2004 , 92, 1241-7	3.2	101

397	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
396	Preserved verbal memory function in left medial temporal pathology involves reorganisation of function to right medial temporal lobe. <i>NeuroImage</i> , 2003 , 20 Suppl 1, S112-9	7.9	97
395	Adaptive integration of habits into depth-limited planning defines a habitual-goal-directed spectrum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 12868-12873	11.5	96
394	Segregated encoding of reward-identity and stimulus-reward associations in human orbitofrontal cortex. <i>Journal of Neuroscience</i> , 2013 , 33, 3202-11	6.6	96
393	Neural activity associated with the passive prediction of ambiguity and risk for aversive events. <i>Journal of Neuroscience</i> , 2009 , 29, 1648-56	6.6	95
392	Adaptive anterior hippocampal responses to oddball stimuli. <i>Hippocampus</i> , 2001 , 11, 690-8	3.5	95
391	Cholinesterase inhibition modulates visual and attentional brain responses in Alzheimer's disease and health. <i>Brain</i> , 2008 , 131, 409-24	11.2	94
390	Controlling emotional expression: behavioral and neural correlates of nonimitative emotional responses. <i>Cerebral Cortex</i> , 2008 , 18, 104-13	5.1	94
389	Event-related potential correlates of the retrieval of emotional and nonemotional context. <i>Journal of Cognitive Neuroscience</i> , 2004 , 16, 760-75	3.1	94
388	Hierarchical competitions subserving multi-attribute choice. <i>Nature Neuroscience</i> , 2014 , 17, 1613-22	25.5	93
387	Association of Neural and Emotional Impacts of Reward Prediction Errors With Major Depression. <i>JAMA Psychiatry</i> , 2017 , 74, 790-797	14.5	93
386	The habenula encodes negative motivational value associated with primary punishment in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 11858-63	11.5	93
385	Blocking central opiate function modulates hedonic impact and anterior cingulate response to rewards and losses. <i>Journal of Neuroscience</i> , 2008 , 28, 10509-16	6.6	93
384	Affective response to one's own moral violations. <i>NeuroImage</i> , 2006 , 31, 945-50	7.9	93
383	Dissociable Effects of Serotonin and Dopamine on the Valuation of Harm in Moral Decision Making. <i>Current Biology</i> , 2015 , 25, 1852-9	6.3	92
382	Neural response during preference and memory judgments for subliminally presented stimuli: a functional neuroimaging study. <i>Journal of Neuroscience</i> , 1998 , 18, 4697-704	6.6	91
381	The Kuleshov Effect: the influence of contextual framing on emotional attributions. <i>Social Cognitive and Affective Neuroscience</i> , 2006 , 1, 95-106	4	90
380	Role of features and second-order spatial relations in face discrimination, face recognition, and individual face skills: behavioral and functional magnetic resonance imaging data. <i>Journal of Cognitive Neuroscience</i> , 2007 , 19, 1435-52	3.1	90

379	Dopamine enhances expectation of pleasure in humans. <i>Current Biology</i> , 2009 , 19, 2077-80	6.3	89
378	Asymmetrical activation in the human brain during processing of fearful faces. <i>Current Biology</i> , 2005 , 15, 424-9	6.3	89
377	Analytic measures for quantification of arousal from spontaneous skin conductance fluctuations. <i>International Journal of Psychophysiology</i> , 2010 , 76, 52-5	2.9	88
376	Mental stress and sudden cardiac death: asymmetric midbrain activity as a linking mechanism. <i>Brain</i> , 2005 , 128, 75-85	11.2	88
375	Reward facilitates tactile judgments and modulates hemodynamic responses in human primary somatosensory cortex. <i>Journal of Neuroscience</i> , 2008 , 28, 8161-8	6.6	87
374	Dose dependent occupancy of central dopamine D2 receptors by the novel neuroleptic CP-88,059-01: a study using positron emission tomography and 11C-raclopride. <i>Psychopharmacology</i> , 1993 , 112, 308-14	4.7	87
373	Action controls dopaminergic enhancement of reward representations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 7511-6	11.5	86
372	Neural coding of tactile decisions in the human prefrontal cortex. <i>Journal of Neuroscience</i> , 2006 , 26, 12586-12595	11.6	85
371	Adolescent Tuning of Association Cortex in Human Structural Brain Networks. <i>Cerebral Cortex</i> , 2018 , 28, 281-294	5.1	84
370	Exploration, novelty, surprise, and free energy minimization. <i>Frontiers in Psychology</i> , 2013 , 4, 710	3.4	84
369	The NMDA agonist D-cycloserine facilitates fear memory consolidation in humans. <i>Cerebral Cortex</i> , 2009 , 19, 187-96	5.1	84
368	Amygdala activity in obsessive-compulsive disorder with contamination fear: a study with oxygen-15 water positron emission tomography. <i>Psychiatry Research - Neuroimaging</i> , 2004 , 132, 225-37	2.9	84
367	Measurement of human cerebral monoamine oxidase type B (MAO-B) activity with positron emission tomography (PET): a dose ranging study with the reversible inhibitor Ro 19-6327. <i>European Journal of Clinical Pharmacology</i> , 1991 , 40, 169-73	2.8	84
366	Fast Sequences of Non-spatial State Representations in Humans. <i>Neuron</i> , 2016 , 91, 194-204	13.9	83
365	Ventral striatal prediction error signaling is associated with dopamine synthesis capacity and fluid intelligence. <i>Human Brain Mapping</i> , 2013 , 34, 1490-9	5.9	81
364	Repetitive transcranial magnetic stimulation-induced changes in sensorimotor coupling parallel improvements of somatosensation in humans. <i>Journal of Neuroscience</i> , 2006 , 26, 1945-52	6.6	81
363	An improved algorithm for model-based analysis of evoked skin conductance responses. <i>Biological Psychology</i> , 2013 , 94, 490-7	3.2	80
362	Outlier responses reflect sensitivity to statistical structure in the human brain. <i>PLoS Computational Biology</i> , 2013 , 9, e1002999	5	80

361	Distinct and convergent visual processing of high and low spatial frequency information in faces. <i>Cerebral Cortex</i> , 2007 , 17, 2713-24	5.1	80
360	Amygdala control of emotion-induced forgetting and remembering: evidence from Urbach-Wiethe disease. <i>Neuropsychologia</i> , 2007 , 45, 877-84	3.2	78
359	Contextual novelty changes reward representations in the striatum. <i>Journal of Neuroscience</i> , 2010 , 30, 1721-6	6.6	77
358	Genetic association and brain morphology studies and the chromosome 8p22 pericentriolar material 1 (PCM1) gene in susceptibility to schizophrenia. <i>Archives of General Psychiatry</i> , 2006 , 63, 844-54		77
357	Pharmacological modulation of behavioral and neuronal correlates of repetition priming. <i>Journal of Neuroscience</i> , 2001 , 21, 6846-52	6.6	77
356	Imaging informational conflict: a functional magnetic resonance imaging study of numerical stroop. <i>Journal of Cognitive Neuroscience</i> , 2006 , 18, 2049-62	3.1	76
355	Activity in face-responsive brain regions is modulated by invisible, attended faces: evidence from masked priming. <i>Cerebral Cortex</i> , 2009 , 19, 13-23	5.1	75
354	Brain mechanisms for mood congruent memory facilitation. <i>NeuroImage</i> , 2005 , 25, 1214-23	7.9	75
353	Cooperation and heterogeneity of the autistic mind. <i>Journal of Neuroscience</i> , 2010 , 30, 8815-8	6.6	74
352	Effects of attention and emotion on repetition priming and their modulation by cholinergic enhancement. <i>Journal of Neurophysiology</i> , 2003 , 90, 1171-81	3.2	74
351	Synchronization of medial temporal lobe and prefrontal rhythms in human decision making. <i>Journal of Neuroscience</i> , 2013 , 33, 442-51	6.6	72
350	Deconstructing risk: separable encoding of variance and skewness in the brain. <i>NeuroImage</i> , 2011 , 58, 1139-49	7.9	71
349	Influence of dopaminergically mediated reward on somatosensory decision-making. <i>PLoS Biology</i> , 2009 , 7, e1000164	9.7	71
348	Choking on the money: reward-based performance decrements are associated with midbrain activity. <i>Psychological Science</i> , 2009 , 20, 955-62	7.9	71
347	Noradrenergic neuromodulation of human attention for emotional and neutral stimuli. <i>Psychopharmacology</i> , 2008 , 197, 127-36	4.7	71
346	Fear recognition ability predicts differences in social cognitive and neural functioning in men. <i>Journal of Cognitive Neuroscience</i> , 2006 , 18, 889-97	3.1	71
345	Functional dissociation of amygdala-modulated arousal and cognitive appraisal, in Turner syndrome. <i>Brain</i> , 2005 , 128, 2084-96	11.2	71
344	Losing the rose tinted glasses: neural substrates of unbiased belief updating in depression. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 639	3.3	70

343	Incidental retrieval of emotional contexts in post-traumatic stress disorder and depression: an fMRI study. <i>Brain and Cognition</i> , 2009 , 69, 98-107	2.7	70
342	Neural consequences of competing stimuli in both visual hemifields: A physiological basis for visual extinction. <i>Annals of Neurology</i> , 2000 , 47, 440-446	9.4	70
341	Addiction Research Consortium: Losing and regaining control over drug intake (ReCoDe)-From trajectories to mechanisms and interventions. <i>Addiction Biology</i> , 2020 , 25, e12866	4.6	70
340	Uncertainty increases pain: evidence for a novel mechanism of pain modulation involving the periaqueductal gray. <i>Journal of Neuroscience</i> , 2013 , 33, 5638-46	6.6	69
339	Rewarding feedback after correct visual discriminations has both general and specific influences on visual cortex. <i>Journal of Neurophysiology</i> , 2010 , 104, 1746-57	3.2	69
338	Social and motivational functioning is not critically dependent on feedback of autonomic responses: neuropsychological evidence from patients with pure autonomic failure. <i>Neuropsychologia</i> , 2004 , 42, 1979-88	3.2	69
337	On the neurology of morals. <i>Nature Neuroscience</i> , 1999 , 2, 927-9	25.5	69
336	Quantitative computed tomography in elderly depressed patients. <i>British Journal of Psychiatry</i> , 1983 , 143, 124-7	5.4	69
335	Moral transgressions corrupt neural representations of value. <i>Nature Neuroscience</i> , 2017 , 20, 879-885	25.5	68
334	Functional evidence for a dual route to amygdala. <i>Current Biology</i> , 2012 , 22, 129-34	6.3	68
333	Doing the right thing: a common neural circuit for appropriate violent or compassionate behavior. <i>NeuroImage</i> , 2006 , 30, 1069-76	7.9	68
332	Dynamic causal models and physiological inference: a validation study using isoflurane anaesthesia in rodents. <i>PLoS ONE</i> , 2011 , 6, e22790	3.7	68
331	Learning-induced plasticity in medial prefrontal cortex predicts preference malleability. <i>Neuron</i> , 2015 , 85, 418-28	13.9	67
330	Subcortical amygdala pathways enable rapid face processing. <i>NeuroImage</i> , 2014 , 102 Pt 2, 309-16	7.9	66
329	Neuronal distortions of reward probability without choice. <i>Journal of Neuroscience</i> , 2008 , 28, 11703-11	6.6	66
328	The brain ages optimally to model its environment: evidence from sensory learning over the adult lifespan. <i>PLoS Computational Biology</i> , 2014 , 10, e1003422	5	65
327	Dynamic causal modelling of anticipatory skin conductance responses. <i>Biological Psychology</i> , 2010 , 85, 163-70	3.2	65
326	Enhanced processing of threat stimuli under limited attentional resources. <i>Cerebral Cortex</i> , 2009 , 19, 127-33	5.1	65

- 325 Model averaging, optimal inference, and habit formation. *Frontiers in Human Neuroscience*, **2014**, 8, 457 3.3 64
- 324 Emotional and autonomic consequences of spinal cord injury explored using functional brain imaging. *Brain*, **2006**, 129, 718-28 11.2 64
- 323 Computational Psychiatry of ADHD: Neural Gain Impairments across Marrian Levels of Analysis. *Trends in Neurosciences*, **2016**, 39, 63-73 13.3 64
- 322 Differential, but not opponent, effects of L-DOPA and citalopram on action learning with reward and punishment. *Psychopharmacology*, **2014**, 231, 955-66 4.7 63
- 321 Vigor in the face of fluctuating rates of reward: an experimental examination. *Journal of Cognitive Neuroscience*, **2011**, 23, 3933-8 3.1 63
- 320 A common mechanism for adaptive scaling of reward and novelty. *Human Brain Mapping*, **2010**, 31, 1380-94 5.9 63
- 319 Separate mesocortical and mesolimbic pathways encode effort and reward learning signals. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E7395-E7404 11.5 62
- 318 Contextual interaction between novelty and reward processing within the mesolimbic system. *Human Brain Mapping*, **2012**, 33, 1309-24 5.9 61
- 317 The known unknowns: neural representation of second-order uncertainty, and ambiguity. *Journal of Neuroscience*, **2011**, 31, 4811-20 6.6 61
- 316 Neural correlates of depth of processing effects on recollection: evidence from brain potentials and positron emission tomography. *Experimental Brain Research*, **1998**, 123, 18-23 2.3 61
- 315 Optimal inference with suboptimal models: addiction and active Bayesian inference. *Medical Hypotheses*, **2015**, 84, 109-17 3.8 60
- 314 The time course of binding to striatal dopamine D2 receptors by the neuroleptic ziprasidone (CP-88,059-01) determined by positron emission tomography. *Psychopharmacology*, **1996**, 124, 141-7 4.7 60
- 313 Locus coeruleus integrity in old age is selectively related to memories linked with salient negative events. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 2228-2233 11.5 59
- 312 Dissociable reward and timing signals in human midbrain and ventral striatum. *Neuron*, **2011**, 72, 654-64 13.9 59
- 311 Experience-dependent coding of facial expression in superior temporal sulcus. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 13485-9 11.5 59
- 310 Dissociating intentional learning from relative novelty responses in the medial temporal lobe. *NeuroImage*, **2005**, 25, 51-62 7.9 59
- 309 Metacognitive Failure as a Feature of Those Holding Radical Beliefs. *Current Biology*, **2018**, 28, 4014-4021 11.8 59
- 308 Beta-adrenergic blockade during memory retrieval in humans evokes a sustained reduction of declarative emotional memory enhancement. *Journal of Neuroscience*, **2010**, 30, 3959-63 6.6 58

307	Modulation of retrieval processing reflects accuracy of emotional source memory. <i>Learning and Memory</i> , 2005 , 12, 472-9	2.8	58
306	Risk Taking for Potential Reward Decreases across the Lifespan. <i>Current Biology</i> , 2016 , 26, 1634-1639	6.3	57
305	Crowdsourcing for cognitive science--the utility of smartphones. <i>PLoS ONE</i> , 2014 , 9, e100662	3.7	57
304	Age-related changes in working memory and the ability to ignore distraction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 6515-8	11.5	56
303	A stable sparse fear memory trace in human amygdala. <i>Journal of Neuroscience</i> , 2011 , 31, 9383-9	6.6	56
302	Testosterone disrupts human collaboration by increasing egocentric choices. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012 , 279, 2275-80	4.4	55
301	Preparing for selective inhibition within frontostriatal loops. <i>Journal of Neuroscience</i> , 2013 , 33, 18087-97	6.6	55
300	Action-specific value signals in reward-related regions of the human brain. <i>Journal of Neuroscience</i> , 2012 , 32, 16417-23a	6.6	55
299	Effects of loss aversion on post-decision wagering: implications for measures of awareness. <i>Consciousness and Cognition</i> , 2010 , 19, 352-63	2.6	55
298	Informational and Normative Influences in Conformity from a Neurocomputational Perspective. <i>Trends in Cognitive Sciences</i> , 2015 , 19, 579-589	14	54
297	Is choice-induced preference change long lasting?. <i>Psychological Science</i> , 2012 , 23, 1123-1129	7.9	53
296	The price of pain and the value of suffering. <i>Psychological Science</i> , 2009 , 20, 309-17	7.9	53
295	Conservative and disruptive modes of adolescent change in human brain functional connectivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 3248-3253	11.5	52
294	Local but not long-range microstructural differences of the ventral temporal cortex in developmental prosopagnosia. <i>Neuropsychologia</i> , 2015 , 78, 195-206	3.2	52
293	Consistent spectral predictors for dynamic causal models of steady-state responses. <i>NeuroImage</i> , 2011 , 55, 1694-708	7.9	52
292	Compulsivity and impulsivity traits linked to attenuated developmental frontostriatal myelination trajectories. <i>Nature Neuroscience</i> , 2019 , 22, 992-999	25.5	51
291	Automatic relevance detection in the absence of a functional amygdala. <i>Neuropsychologia</i> , 2011 , 49, 1302-1305	3.2	51
290	Peak frequency in the theta and alpha bands correlates with human working memory capacity. <i>Frontiers in Human Neuroscience</i> , 2010 , 4, 200	3.3	51

289	Metabolic state alters economic decision making under risk in humans. <i>PLoS ONE</i> , 2010 , 5, e11090	3.7	50
288	Scopolamine but not lorazepam modulates face repetition priming: a psychopharmacological fMRI study. <i>Neuropsychopharmacology</i> , 2002 , 27, 282-92	8.7	50
287	The role of the right anterior prefrontal cortex in episodic retrieval. <i>NeuroImage</i> , 2000 , 11, 217-27	7.9	50
286	Neural signals encoding shifts in beliefs. <i>NeuroImage</i> , 2016 , 125, 578-586	7.9	49
285	Active inference, evidence accumulation, and the urn task. <i>Neural Computation</i> , 2015 , 27, 306-28	2.9	49
284	Improving the reliability of model-based decision-making estimates in the two-stage decision task with reaction-times and drift-diffusion modeling. <i>PLoS Computational Biology</i> , 2019 , 15, e1006803	5	49
283	Reward motivation accelerates the onset of neural novelty signals in humans to 85 milliseconds. <i>Current Biology</i> , 2009 , 19, 1294-300	6.3	48
282	Cohort Profile: The NSPN 2400 Cohort: a developmental sample supporting the Wellcome Trust NeuroScience in Psychiatry Network. <i>International Journal of Epidemiology</i> , 2018 , 47, 18-19g	7.8	48
281	Neurophysiological correlates of increased verbal working memory in high-dissociative participants: a functional MRI study. <i>Psychological Medicine</i> , 2005 , 35, 175-85	6.9	47
280	A novel presenilin mutation (M233V) causing very early onset Alzheimer's disease with Lewy bodies. <i>Neuroscience Letters</i> , 2001 , 313, 93-5	3.3	47
279	Decision-Theoretic Psychiatry. <i>Clinical Psychological Science</i> , 2015 , 3, 400-421	6	46
278	Neural and computational processes underlying dynamic changes in self-esteem. <i>ELife</i> , 2017 , 6,	8.9	46
277	Dopamine, reward learning, and active inference. <i>Frontiers in Computational Neuroscience</i> , 2015 , 9, 136	3.5	46
276	A regret-induced status quo bias. <i>Journal of Neuroscience</i> , 2011 , 31, 3320-7	6.6	46
275	Remote effects of hippocampal sclerosis on effective connectivity during working memory encoding: a case of connectional diaschisis?. <i>Cerebral Cortex</i> , 2012 , 22, 1225-36	5.1	46
274	Time-dependent changes in learning audiovisual associations: a single-trial fMRI study. <i>NeuroImage</i> , 2000 , 11, 243-55	7.9	46
273	Effective Connectivity from Early Visual Cortex to Posterior Occipitotemporal Face Areas Supports Face Selectivity and Predicts Developmental Prosopagnosia. <i>Journal of Neuroscience</i> , 2016 , 36, 3821-8	6.6	46
272	Modulation of auditory neural responses by a visual context in human fear conditioning. <i>NeuroReport</i> , 2001 , 12, 3407-11	1.7	45

271	Striatal structure and function predict individual biases in learning to avoid pain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 4812-7	11.5	45
270	Parcellation of the human substantia nigra based on anatomical connectivity to the striatum. <i>NeuroImage</i> , 2013 , 81, 191-198	7.9	44
269	Noradrenaline blockade specifically enhances metacognitive performance. <i>ELife</i> , 2017 , 6,	8.9	44
268	Contextual novelty modulates the neural dynamics of reward anticipation. <i>Journal of Neuroscience</i> , 2011 , 31, 12816-22	6.6	44
267	Neurophysiological correlates of habituation during exposure in spider phobia. <i>Psychiatry Research - Neuroimaging</i> , 2004 , 132, 149-58	2.9	44
266	Behavioral specifications of reward-associated long-term memory enhancement in humans. <i>Learning and Memory</i> , 2011 , 18, 296-300	2.8	43
265	Emotion-induced retrograde amnesia varies as a function of noradrenergic-glucocorticoid activity. <i>Psychopharmacology</i> , 2007 , 194, 261-9	4.7	43
264	The effect of the muscarinic antagonist scopolamine on regional cerebral blood flow during the performance of a memory task. <i>Experimental Brain Research</i> , 1995 , 104, 337-48	2.3	43
263	Temporal structure in associative retrieval. <i>ELife</i> , 2015 , 4,	8.9	43
262	Dopamine Increases a Value-Independent Gambling Propensity. <i>Neuropsychopharmacology</i> , 2016 , 41, 2658-67	8.7	43
261	Optimistic update bias increases in older age. <i>Psychological Medicine</i> , 2014 , 44, 2003-12	6.9	42
260	A behavioral and neural evaluation of prospective decision-making under risk. <i>Journal of Neuroscience</i> , 2010 , 30, 14380-9	6.6	42
259	Neural segregation of objective and contextual aspects of fairness. <i>Journal of Neuroscience</i> , 2011 , 31, 5244-52	6.6	42
258	Cognitive functioning after medial frontal lobe damage including the anterior cingulate cortex: a preliminary investigation. <i>Brain and Cognition</i> , 2006 , 60, 166-75	2.7	42
257	Differentiable neural substrates for learned and described value and risk. <i>Current Biology</i> , 2010 , 20, 1823-9	6.9	41
256	Social regulation of affective experience of humor. <i>Journal of Cognitive Neuroscience</i> , 2007 , 19, 1574-80	3.1	41
255	Switching between the forest and the trees: brain systems involved in local/global changed-level judgments. <i>NeuroImage</i> , 2001 , 13, 56-67	7.9	41
254	Metacognitive impairments extend perceptual decision making weaknesses in compulsivity. <i>Scientific Reports</i> , 2017 , 7, 6614	4.9	40

253	Evidence for surprise minimization over value maximization in choice behavior. <i>Scientific Reports</i> , 2015 , 5, 16575	4.9	40
252	Effect of frontal lobe lesions on the recollection and familiarity components of recognition memory. <i>Neuropsychologia</i> , 2008 , 46, 3124-32	3.2	40
251	Vagus nerve stimulation for treatment-resistant depression: behavioral and neural effects on encoding negative material. <i>Psychosomatic Medicine</i> , 2007 , 69, 17-22	3.7	40
250	The effect of apomorphine and buspirone on regional cerebral blood flow during the performance of a cognitive task-measuring neuromodulatory effects of psychotropic drugs in man. <i>European Journal of Neuroscience</i> , 1992 , 4, 1203-12	3.5	40
249	The modulation of savouring by prediction error and its effects on choice. <i>ELife</i> , 2016 , 5,	8.9	40
248	Model-Based Reasoning in Humans Becomes Automatic with Training. <i>PLoS Computational Biology</i> , 2015 , 11, e1004463	5	39
247	Plasticity of human auditory-evoked fields induced by shock conditioning and contingency reversal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 12545-50	11.5	39
246	Dopaminergic basis for signaling belief updates, but not surprise, and the link to paranoia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E10167-E10176	11.5	39
245	Structure of orbitofrontal cortex predicts social influence. <i>Current Biology</i> , 2012 , 22, R123-4	6.3	38
244	Pharmacological dissociation of novelty responses in the human brain. <i>Cerebral Cortex</i> , 2014 , 24, 1351-60	9.1	38
243	Ventromedial prefrontal cortex drives hippocampal theta oscillations induced by mismatch computations. <i>NeuroImage</i> , 2015 , 120, 362-70	7.9	37
242	Impaired threat prioritisation after selective bilateral amygdala lesions. <i>Cortex</i> , 2015 , 63, 206-13	3.8	37
241	Evolutionarily conserved mechanisms for the selection and maintenance of behavioural activity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015 , 370,	5.8	37
240	Increased decision thresholds enhance information gathering performance in juvenile Obsessive-Compulsive Disorder (OCD). <i>PLoS Computational Biology</i> , 2017 , 13, e1005440	5	37
239	Dynamic causal modeling of spontaneous fluctuations in skin conductance. <i>Psychophysiology</i> , 2011 , 48, 252-7	4.1	37
238	Adaptive coding of reward prediction errors is gated by striatal coupling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 4285-9	11.5	37
237	Cholinergic stimulation enhances Bayesian belief updating in the deployment of spatial attention. <i>Journal of Neuroscience</i> , 2014 , 34, 15735-42	6.6	36
236	Dissociating neuromodulatory effects of diazepam on episodic memory encoding and executive function. <i>Psychopharmacology</i> , 1999 , 145, 213-22	4.7	36

235	Proactive and Reactive Response Inhibition across the Lifespan. <i>PLoS ONE</i> , 2015 , 10, e0140383	3.7	36
234	An MEG signature corresponding to an axiomatic model of reward prediction error. <i>NeuroImage</i> , 2012 , 59, 635-45	7.9	35
233	Modulation of fusiform cortex activity by cholinesterase inhibition predicts effects on subsequent memory. <i>Brain</i> , 2009 , 132, 2356-71	11.2	35
232	Effects of cholinergic enhancement on conditioning-related responses in human auditory cortex. <i>European Journal of Neuroscience</i> , 2002 , 16, 2199-206	3.5	35
231	Emotion causes targeted forgetting of established memories. <i>Frontiers in Behavioral Neuroscience</i> , 2010 , 4, 175	3.5	34
230	Effects of category-specific costs on neural systems for perceptual decision-making. <i>Journal of Neurophysiology</i> , 2010 , 103, 3238-47	3.2	34
229	Modulatory effects of 5Hz rTMS over the primary somatosensory cortex in focal dystonia--an fMRI-TMS study. <i>Movement Disorders</i> , 2010 , 25, 76-83	7	34
228	Precision and neuronal dynamics in the human posterior parietal cortex during evidence accumulation. <i>NeuroImage</i> , 2015 , 107, 219-228	7.9	33
227	Network reconfiguration and working memory impairment in mesial temporal lobe epilepsy. <i>NeuroImage</i> , 2013 , 72, 48-54	7.9	33
226	Structural integrity of the substantia nigra and subthalamic nucleus predicts flexibility of instrumental learning in older-age individuals. <i>Neurobiology of Aging</i> , 2013 , 34, 2261-70	5.6	33
225	A formal model of interpersonal inference. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 160	3.3	33
224	Amygdala involvement in self-blame regret. <i>Social Neuroscience</i> , 2011 , 6, 178-89	2	33
223	Intuitive interference in quantitative reasoning. <i>Brain Research</i> , 2006 , 1073-1074, 383-8	3.7	32
222	Social and emotional functions in three patients with medial frontal lobe damage including the anterior cingulate cortex. <i>Cognitive Neuropsychiatry</i> , 2006 , 11, 369-88	2	32
221	Face adaptation aftereffects reveal anterior medial temporal cortex role in high level category representation. <i>NeuroImage</i> , 2007 , 37, 300-10	7.9	32
220	Is multivariate analysis of PET data more revealing than the univariate approach? Evidence from a study of episodic memory retrieval. <i>NeuroImage</i> , 1996 , 3, 209-15	7.9	32
219	Experience and choice shape expected aversive outcomes. <i>Journal of Neuroscience</i> , 2010 , 30, 9209-15	6.6	31
218	Conditioned associations and economic decision biases. <i>NeuroImage</i> , 2010 , 53, 206-14	7.9	31

217	Magnetoencephalography (MEG) determined temporal modulation of visual and auditory sensory processing in the context of classical conditioning to faces. <i>NeuroImage</i> , 2006 , 32, 778-89	7.9	31
216	Anterior medial temporal lobe in human cognition: memory for fear and the unexpected. <i>Cognitive Neuropsychiatry</i> , 2006 , 11, 198-218	2	31
215	Inferences about moral character moderate the impact of consequences on blame and praise. <i>Cognition</i> , 2017 , 167, 201-211	3.5	30
214	Dissecting the Function of Hippocampal Oscillations in a Human Anxiety Model. <i>Journal of Neuroscience</i> , 2017 , 37, 6869-6876	6.6	30
213	Images of psychopathology. <i>Current Opinion in Neurobiology</i> , 1998 , 8, 259-62	7.6	30
212	Increased decision thresholds trigger extended information gathering across the compulsivity spectrum. <i>Translational Psychiatry</i> , 2017 , 7, 1296	8.6	29
211	Hedging your bets by learning reward correlations in the human brain. <i>Neuron</i> , 2011 , 71, 1141-52	13.9	29
210	Serotonin transporter genotype modulates subgenual response to fearful faces using an incidental task. <i>Journal of Cognitive Neuroscience</i> , 2011 , 23, 3681-93	3.1	29
209	Framing effect following bilateral amygdala lesion. <i>Neuropsychologia</i> , 2010 , 48, 1823-7	3.2	29
208	Learning affective values for faces is expressed in amygdala and fusiform gyrus. <i>Social Cognitive and Affective Neuroscience</i> , 2008 , 3, 109-18	4	29
207	Temporally Dissociable Contributions of Human Medial Prefrontal Subregions to Reward-Guided Learning. <i>Journal of Neuroscience</i> , 2015 , 35, 11209-20	6.6	28
206	The influence of subcortical shortcuts on disordered sensory and cognitive processing. <i>Nature Reviews Neuroscience</i> , 2020 , 21, 264-276	13.5	28
205	Characterising the latent structure and organisation of self-reported thoughts, feelings and behaviours in adolescents and young adults. <i>PLoS ONE</i> , 2017 , 12, e0175381	3.7	28
204	Subliminal action priming modulates the perceived intensity of sensory action consequences. <i>Cognition</i> , 2014 , 130, 227-35	3.5	28
203	Dread and the disvalue of future pain. <i>PLoS Computational Biology</i> , 2013 , 9, e1003335	5	28
202	Decodability of Reward Learning Signals Predicts Mood Fluctuations. <i>Current Biology</i> , 2018 , 28, 1433-1439.e7	13.3	27
201	Keep focussing: striatal dopamine multiple functions resolved in a single mechanism tested in a simulated humanoid robot. <i>Frontiers in Psychology</i> , 2014 , 5, 124	3.4	27
200	The neural underpinnings of an optimal exploitation of social information under uncertainty. <i>Social Cognitive and Affective Neuroscience</i> , 2014 , 9, 1746-53	4	27

199	Approach-avoidance processes contribute to dissociable impacts of risk and loss on choice. <i>Journal of Neuroscience</i> , 2012 , 32, 7009-20	6.6	27
198	Computation in Psychotherapy, or How Computational Psychiatry Can Aid Learning-Based Psychological Therapies. <i>Computational Psychiatry</i> , 2018 , 2, 50-73	3.8	27
197	Reward-related activity in ventral striatum is action contingent and modulated by behavioral relevance. <i>Journal of Neuroscience</i> , 2014 , 34, 12711-9	6.6	26
196	Changes in cerebral morphology consequent to peripheral autonomic denervation. <i>NeuroImage</i> , 2003 , 18, 908-16	7.9	26
195	The functional anatomy of memory. <i>Experientia</i> , 1995 , 51, 1197-207		26
194	Approach-Induced Biases in Human Information Sampling. <i>PLoS Biology</i> , 2016 , 14, e2000638	9.7	26
193	How People Use Social Information to Find out What to Want in the Paradigmatic Case of Inter-temporal Preferences. <i>PLoS Computational Biology</i> , 2016 , 12, e1004965	5	26
192	Replay bursts in humans coincide with activation of the default mode and parietal alpha networks. <i>Neuron</i> , 2021 , 109, 882-893.e7	13.9	26
191	Neural processes mediating contextual influences on human choice behaviour. <i>Nature Communications</i> , 2016 , 7, 12416	17.4	25
190	DAT genotype modulates striatal processing and long-term memory for items associated with reward and punishment. <i>Neuropsychologia</i> , 2013 , 51, 2184-93	3.2	25
189	Relative valuation of pain in human orbitofrontal cortex. <i>Journal of Neuroscience</i> , 2014 , 34, 14526-35	6.6	25
188	Neuronal correlates of familiarity-driven decisions in artificial grammar learning. <i>NeuroReport</i> , 2003 , 14, 131-6	1.7	25
187	The effects of interdistracter similarity on search processes in superior parietal cortex. <i>NeuroImage</i> , 2002 , 15, 611-9	7.9	25
186	The influence of contextual reward statistics on risk preference. <i>NeuroImage</i> , 2016 , 128, 74-84	7.9	25
185	Episodic memory retrieval success is associated with rapid replay of episode content. <i>Nature Neuroscience</i> , 2020 , 23, 1025-1033	25.5	24
184	Anterior cingulate cortex instigates adaptive switches in choice by integrating immediate and delayed components of value in ventromedial prefrontal cortex. <i>Journal of Neuroscience</i> , 2014 , 34, 3340-9	6.6	24
183	Effects of emotional preferences on value-based decision-making are mediated by mentalizing and not reward networks. <i>Journal of Cognitive Neuroscience</i> , 2011 , 23, 2197-210	3.1	24
182	Trust and distrust: the perception of trustworthiness of faces in psychopathic and non-psychopathic offenders. <i>Personality and Individual Differences</i> , 2005 , 38, 1735-1744	3.3	24

181	Effect of the 5-HT1A partial agonist buspirone on regional cerebral blood flow in man. <i>Psychopharmacology</i> , 1992 , 108, 380-6	4.7	24
180	Schizotypy-Related Magnetization of Cortex in Healthy Adolescence Is Colocated With Expression of Schizophrenia-Related Genes. <i>Biological Psychiatry</i> , 2020 , 88, 248-259	7.9	24
179	Profiling neuronal ion channelopathies with non-invasive brain imaging and dynamic causal models: Case studies of single gene mutations. <i>NeuroImage</i> , 2016 , 124, 43-53	7.9	23
178	Cross-modal effects of value on perceptual acuity and stimulus encoding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 15244-9	11.5	23
177	Transcranial direct current stimulation of right dorsolateral prefrontal cortex does not affect model-based or model-free reinforcement learning in humans. <i>PLoS ONE</i> , 2014 , 9, e86850	3.7	23
176	The effect of motivation on movement: a study of bradykinesia in Parkinson's disease. <i>PLoS ONE</i> , 2012 , 7, e47138	3.7	23
175	Credit assignment to state-independent task representations and its relationship with model-based decision making. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 15871-15876	11.5	23
174	Brain substrates of recovery from misleading influence. <i>Journal of Neuroscience</i> , 2014 , 34, 7744-53	6.6	22
173	Dissociating distractor-filtering at encoding and during maintenance. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2014 , 40, 960-7	2.6	22
172	The neural response in short-term visual recognition memory for perceptual conjunctions. <i>NeuroImage</i> , 1998 , 7, 14-22	7.9	22
171	The roles of online and offline replay in planning. <i>ELife</i> , 2020 , 9,	8.9	22
170	Experience replay is associated with efficient nonlocal learning. <i>Science</i> , 2021 , 372,	33.3	22
169	Impact of nutrition on social decision making. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 6510-6514	11.5	21
168	Fractionation of impulsive and compulsive trans-diagnostic phenotypes and their longitudinal associations. <i>Australian and New Zealand Journal of Psychiatry</i> , 2019 , 53, 896-907	2.6	21
167	Priming for self-esteem influences the monitoring of one's own performance. <i>Social Cognitive and Affective Neuroscience</i> , 2011 , 6, 417-25	4	21
166	Beta-adrenergic modulation of oddball responses in humans. <i>Behavioral and Brain Functions</i> , 2007 , 3, 29	4.1	21
165	Dorsal striatal dopamine D1 receptor availability predicts an instrumental bias in action learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 261-270	11.5	21
164	Corticolimbic catecholamines in stress: a computational model of the appraisal of controllability. <i>Brain Structure and Function</i> , 2015 , 220, 1339-53	4	20

163	The value of what's to come: Neural mechanisms coupling prediction error and the utility of anticipation. <i>Science Advances</i> , 2020 , 6, eaba3828	14.3	20
162	Enhanced alpha-oscillations in visual cortex during anticipation of self-generated visual stimulation. <i>Journal of Cognitive Neuroscience</i> , 2014 , 26, 2540-51	3.1	20
161	Parallel processing streams for motor output and sensory prediction during action preparation. <i>Journal of Neurophysiology</i> , 2015 , 113, 1752-62	3.2	20
160	A role for the striatum in regret-related choice repetition. <i>Journal of Cognitive Neuroscience</i> , 2011 , 23, 845-56	3.1	20
159	The Dopaminergic Midbrain Mediates an Effect of Average Reward on Pavlovian Vigor. <i>Journal of Cognitive Neuroscience</i> , 2016 , 28, 1303-17	3.1	20
158	Change, stability, and instability in the Pavlovian guidance of behaviour from adolescence to young adulthood. <i>PLoS Computational Biology</i> , 2018 , 14, e1006679	5	20
157	Emotion-induced retrograde amnesia is determined by a 5-HTT genetic polymorphism. <i>Journal of Neuroscience</i> , 2008 , 28, 7036-9	6.6	19
156	White matter tract myelin maturation and its association with general psychopathology in adolescence and early adulthood. <i>Human Brain Mapping</i> , 2020 , 41, 827-839	5.9	19
155	Parsing the Role of the Hippocampus in Approach-Avoidance Conflict. <i>Cerebral Cortex</i> , 2017 , 27, 201-215	5.1	19
154	Annual Research Review: Developmental computational psychiatry. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2019 , 60, 412-426	7.9	19
153	Neural Mechanisms of Harm-Avoidance Learning: A Model for Obsessive-Compulsive Disorder?. <i>JAMA Psychiatry</i> , 2016 , 73, 1196-1197	14.5	18
152	Context-specific activation of hippocampus and SN/VTa by reward is related to enhanced long-term memory for embedded objects. <i>Neurobiology of Learning and Memory</i> , 2016 , 134 Pt A, 65-77	3.1	18
151	Beta-Blocker Propranolol Modulates Decision Urgency During Sequential Information Gathering. <i>Journal of Neuroscience</i> , 2018 , 38, 7170-7178	6.6	18
150	The human amygdala encodes value and space during decision making. <i>NeuroImage</i> , 2014 , 101, 712-9	7.9	18
149	Basal Ganglia Activity Mirrors a Benefit of Action and Reward on Long-Lasting Event Memory. <i>Cerebral Cortex</i> , 2015 , 25, 4908-17	5.1	18
148	Enhanced emotion-induced amnesia in borderline personality disorder. <i>Psychological Medicine</i> , 2007 , 37, 971-81	6.9	18
147	Distinct Processing of Aversive Experience in Amygdala Subregions. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020 , 5, 291-300	3.4	18
146	Retrospective model-based inference guides model-free credit assignment. <i>Nature Communications</i> , 2019 , 10, 750	17.4	17

145	The distinction between depression and dementia in the very old. <i>International Journal of Geriatric Psychiatry</i> , 1990 , 5, 193-198	3.9	17
144	Learning and generalization under ambiguity: an fMRI study. <i>PLoS Computational Biology</i> , 2012 , 8, e1002346	3.46	17
143	A Bayesian model of context-sensitive value attribution. <i>ELife</i> , 2016 , 5,	8.9	17
142	A Computational Analysis of Aberrant Delay Discounting in Psychiatric Disorders. <i>Frontiers in Psychology</i> , 2015 , 6, 1948	3.4	17
141	Acute stress selectively impairs learning to act. <i>Scientific Reports</i> , 2016 , 6, 29816	4.9	17
140	Endogenous fluctuations in the dopaminergic midbrain drive behavioral choice variability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 18732-18737	11.5	16
139	Unimpaired discrimination of fearful prosody after amygdala lesion. <i>Neuropsychologia</i> , 2013 , 51, 2070-4	3.2	16
138	Building a New Field of Computational Psychiatry. <i>Biological Psychiatry</i> , 2017 , 82, 388-390	7.9	16
137	Left prefrontal cortex control of novel occurrences during recollection: a psychopharmacological study using scopolamine and event-related fMRI. <i>NeuroImage</i> , 2006 , 33, 286-95	7.9	16
136	Childhood socio-economic disadvantage predicts reduced myelin growth across adolescence and young adulthood. <i>Human Brain Mapping</i> , 2020 , 41, 3392-3402	5.9	16
135	The social contingency of momentary subjective well-being. <i>Nature Communications</i> , 2016 , 7, 11825	17.4	15
134	Prospective and Pavlovian mechanisms in aversive behaviour. <i>Cognition</i> , 2016 , 146, 415-25	3.5	15
133	Neural activity and fundamental learning, motivated by monetary loss and reward, are intact in mild to moderate major depressive disorder. <i>PLoS ONE</i> , 2018 , 13, e0201451	3.7	15
132	What Underlies Political Polarization? A Manifesto for Computational Political Psychology. <i>Trends in Cognitive Sciences</i> , 2019 , 23, 820-822	14	15
131	A computational account of threat-related attentional bias. <i>PLoS Computational Biology</i> , 2019 , 15, e1007341	3.41	15
130	Magnetoencephalography decoding reveals structural differences within integrative decision processes. <i>Nature Human Behaviour</i> , 2018 , 2, 670-681	12.8	15
129	Emotional arousal and recognition memory are differentially reflected in pupil diameter responses during emotional memory for negative events in younger and older adults. <i>Neurobiology of Aging</i> , 2017 , 58, 129-139	5.6	14
128	Social redistribution of pain and money. <i>Scientific Reports</i> , 2015 , 5, 15389	4.9	14

127	Facial expression influences face identity recognition during the attentional blink. <i>Emotion</i> , 2014 , 14, 1007-13	4.1	14
126	Attractor models of working memory and their modulation by reward. <i>Biological Cybernetics</i> , 2008 , 98, 11-8	2.8	14
125	A unifying Bayesian account of contextual effects in value-based choice. <i>PLoS Computational Biology</i> , 2017 , 13, e1005769	5	14
124	The role of human orbitofrontal cortex in reward prediction and behavioral choice: insights from neuroimaging 2006 , 265-284		14
123	Associations between aversive learning processes and transdiagnostic psychiatric symptoms in a general population sample. <i>Nature Communications</i> , 2020 , 11, 4179	17.4	13
122	Whole-Brain Neural Dynamics of Probabilistic Reward Prediction. <i>Journal of Neuroscience</i> , 2017 , 37, 3789-3798	6.7	12
121	Deep brain stimulation of the subthalamic nucleus modulates sensitivity to decision outcome value in Parkinson's disease. <i>Scientific Reports</i> , 2016 , 6, 32509	4.9	12
120	High-precision magnetoencephalography for reconstructing amygdalar and hippocampal oscillations during prediction of safety and threat. <i>Human Brain Mapping</i> , 2019 , 40, 4114-4129	5.9	12
119	Characterising reward outcome signals in sensory cortex. <i>NeuroImage</i> , 2013 , 83, 329-34	7.9	12
118	Sequential inference as a mode of cognition and its correlates in fronto-parietal and hippocampal brain regions. <i>PLoS Computational Biology</i> , 2017 , 13, e1005418	5	12
117	The Neural Basis of Metacognitive Ability 2014 , 245-265		12
116	The effects of life stress and neural learning signals on fluid intelligence. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2015 , 265, 35-43	5.1	11
115	A mechanistic account of serotonin's impact on mood. <i>Nature Communications</i> , 2020 , 11, 2335	17.4	11
114	Response to Small: Crossmodal integration ¶ Insights from the chemical senses. <i>Trends in Neurosciences</i> , 2004 , 27, 123-124	13.3	11
113	Multiple Holdouts With Stability: Improving the Generalizability of Machine Learning Analyses of Brain-Behavior Relationships. <i>Biological Psychiatry</i> , 2020 , 87, 368-376	7.9	11
112	Brain-behaviour modes of covariation in healthy and clinically depressed young people. <i>Scientific Reports</i> , 2019 , 9, 11536	4.9	10
111	Reprint of: DAT genotype modulates striatal processing and long-term memory for items associated with reward and punishment. <i>Neuropsychologia</i> , 2013 , 51, 2469-77	3.2	10
110	Optimistic biases in observational learning of value. <i>Cognition</i> , 2011 , 119, 394-402	3.5	10

109	Local striatal reward signals can be predicted from corticostriatal connectivity. <i>NeuroImage</i> , 2017 , 159, 9-17	7.9	10
108	Computing Value from Quality and Quantity in Human Decision-Making. <i>Journal of Neuroscience</i> , 2019 , 39, 163-176	6.6	10
107	Decreased value-sensitivity in schizophrenia. <i>Psychiatry Research</i> , 2018 , 259, 295-301	9.9	9
106	Distinct Roles of Dopamine and Noradrenaline in Incidental Memory. <i>Journal of Neuroscience</i> , 2019 , 39, 7715-7721	6.6	9
105	The effect of visual salience on memory-based choices. <i>Journal of Neurophysiology</i> , 2014 , 111, 481-7	3.2	9
104	Assaying the effect of levodopa on the evaluation of risk in healthy humans. <i>PLoS ONE</i> , 2013 , 8, e68177	3.7	9
103	Surprise leads to noisier perceptual decisions. <i>I-Perception</i> , 2011 , 2, 112-20	1.2	9
102	Human responses to unfairness with primary rewards and their biological limits. <i>Scientific Reports</i> , 2012 , 2, 593	4.9	9
101	Action and valence modulate choice and choice-induced preference change. <i>PLoS ONE</i> , 2015 , 10, e0119682	3.7	9
100	Compulsivity is linked to reduced adolescent development of goal-directed control and frontostriatal functional connectivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 25911-25922	11.5	9
99	Changing pattern in the basal ganglia: motor switching under reduced dopaminergic drive. <i>Scientific Reports</i> , 2016 , 6, 23327	4.9	9
98	Impaired neural replay of inferred relationships in schizophrenia. <i>Cell</i> , 2021 , 184, 4315-4328.e17	56.2	9
97	The role of the hippocampus in weighting expectations during inference under uncertainty. <i>Cortex</i> , 2019 , 115, 1-14	3.8	8
96	Receipt of reward leads to altered estimation of effort. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 13407-10	11.5	8
95	Uncertainty in learning, choice, and visual fixation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 3291-3300	11.5	8
94	Value encoding in the globus pallidus: fMRI reveals an interaction effect between reward and dopamine drive. <i>NeuroImage</i> , 2018 , 173, 249-257	7.9	8
93	Developmental changes in effects of risk and valence on adolescent decision-making. <i>Cognitive Development</i> , 2013 , 28, 290-299	1.7	8
92	No unified reward prediction error in local field potentials from the human nucleus accumbens: evidence from epilepsy patients. <i>Journal of Neurophysiology</i> , 2015 , 114, 781-92	3.2	8

91	Happier People Show Greater Neural Connectivity during Negative Self-Referential Processing. <i>PLoS ONE</i> , 2016 , 11, e0149554	3.7	8
90	Multiple value signals in dopaminergic midbrain and their role in avoidance contexts. <i>NeuroImage</i> , 2016 , 135, 197-203	7.9	8
89	Neurocomputational mechanisms underpinning aberrant social learning in young adults with low self-esteem. <i>Translational Psychiatry</i> , 2020 , 10, 96	8.6	7
88	Vigour in active avoidance. <i>Scientific Reports</i> , 2017 , 7, 60	4.9	7
87	Sustained Magnetic Responses in Temporal Cortex Reflect Instantaneous Significance of Approaching and Receding Sounds. <i>PLoS ONE</i> , 2015 , 10, e0134060	3.7	7
86	Altruistic learning. <i>Frontiers in Behavioral Neuroscience</i> , 2009 , 3, 23	3.5	7
85	Dissociable influences of skewness and valence on economic choice and neural activity. <i>PLoS ONE</i> , 2013 , 8, e83454	3.7	7
84	Oxytocin Effect on Collective Decision Making: A Randomized Placebo Controlled Study. <i>PLoS ONE</i> , 2016 , 11, e0153352	3.7	7
83	Dogmatism manifests in lowered information search under uncertainty. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 31527-31534	11.5	7
82	The role of dopamine in dynamic effort-reward integration. <i>Neuropsychopharmacology</i> , 2020 , 45, 1448-1453	18.5	7
81	Age-dependent Pavlovian biases influence motor decision-making. <i>PLoS Computational Biology</i> , 2018 , 14, e1006304	5	7
80	Taming the shrewdness of neural function: methodological challenges in computational psychiatry. <i>Current Opinion in Behavioral Sciences</i> , 2015 , 5, 128-132	4	6
79	Distinct encoding of risk and value in economic choice between multiple risky options. <i>NeuroImage</i> , 2013 , 81, 431-440	7.9	6
78	A Goal-Directed Bayesian Framework for Categorization. <i>Frontiers in Psychology</i> , 2017 , 8, 408	3.4	6
77	Integration of retinal and extraretinal information across eye movements. <i>PLoS ONE</i> , 2015 , 10, e0116810	10.7	6
76	Temporally Unpredictable Sounds Exert a Context-Dependent Influence on Evaluation of Unrelated Images. <i>PLoS ONE</i> , 2015 , 10, e0131065	3.7	6
75	Manipulating the contribution of approach-avoidance to the perturbation of economic choice by valence. <i>Frontiers in Neuroscience</i> , 2013 , 7, 228	5.1	6
74	Positron emission tomography as a research tool in the investigation of psychiatric and psychological disorders. <i>Baillieres Clinical Endocrinology and Metabolism</i> , 1991 , 5, 187-203		6

73	Human complex exploration strategies are enriched by noradrenaline-modulated heuristics. <i>ELife</i> , 2021 , 10,	8.9	6
72	Hypotheses About the Relationship of Cognition With Psychopathology Should be Tested by Embedding Them Into Empirical Priors. <i>Frontiers in Psychology</i> , 2018 , 9, 2504	3.4	6
71	Predictors of risky foraging behaviour in healthy young people. <i>Nature Human Behaviour</i> , 2020 , 4, 832-843	12.8	5
70	Learning Contextual Reward Expectations for Value Adaptation. <i>Journal of Cognitive Neuroscience</i> , 2018 , 30, 50-69	3.1	5
69	Temporally delayed linear modelling (TDLM) measures replay in both animals and humans. <i>ELife</i> , 2021 , 10,	8.9	5
68	Perimovement decrease of alpha/beta oscillations in the human nucleus accumbens. <i>Journal of Neurophysiology</i> , 2016 , 116, 1663-1672	3.2	5
67	Brain micro-architecture and disinhibition: a latent phenotyping study across 33 impulsive and compulsive behaviours. <i>Neuropsychopharmacology</i> , 2021 , 46, 423-431	8.7	5
66	Human subjects exploit a cognitive map for credit assignment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	5
65	Agent-specific learning signals for self-other distinction during mentalising. <i>PLoS Biology</i> , 2018 , 16, e2004752	17.52	5
64	Transdiagnostic neuroimaging markers of psychiatric risk: A narrative review. <i>NeuroImage: Clinical</i> , 2021 , 30, 102634	5.3	5
63	Representation of probabilistic outcomes during risky decision-making. <i>Nature Communications</i> , 2020 , 11, 2419	17.4	4
62	Reinforcement learning as an intermediate phenotype in psychosis? Deficits sensitive to illness stage but not associated with polygenic risk of schizophrenia in the general population. <i>Schizophrenia Research</i> , 2020 , 222, 389-396	3.6	4
61	Translation of Computational Psychiatry in the Context of Addiction. <i>JAMA Psychiatry</i> , 2020 , 77, 1099-1105	11.5	4
60	Other People's Money: The Role of Reciprocity and Social Uncertainty in Decisions for Others. <i>Journal of Neuroscience, Psychology, and Economics</i> , 2017 , 10, 59-80	1.6	4
59	Prices need no preferences: social trends determine decisions in experimental markets for pain relief. <i>Health Psychology</i> , 2014 , 33, 66-76	5	4
58	Testosterone induces off-line perceptual learning. <i>Psychopharmacology</i> , 2012 , 224, 451-7	4.7	4
57	The Neurobiology of Preferences 2012 , 3-31		4
56	Stimulus Novelty Energizes Actions in the Absence of Explicit Reward. <i>PLoS ONE</i> , 2016 , 11, e0159120	3.7	4

55	Measuring Sequences of Representations with Temporally Delayed Linear Modelling		4
54	Experience replay supports non-local learning		4
53	The value of what's to come: neural mechanisms coupling prediction error and reward anticipation		4
52	Decision-making ability, psychopathology, and brain connectivity. <i>Neuron</i> , 2021 , 109, 2025-2040.e7	13.9	4
51	Peripheral Serotonin 1B Receptor Transcription Predicts the Effect of Acute Tryptophan Depletion on Risky Decision-Making. <i>International Journal of Neuropsychopharmacology</i> , 2017 , 20, 58-66	5.8	4
50	Anticipation and choice heuristics in the dynamic consumption of pain relief. <i>PLoS Computational Biology</i> , 2015 , 11, e1004030	5	3
49	How do the prevalence and relative risk of non-suicidal self-injury and suicidal thoughts vary across the population distribution of common mental distress (the p factor)? Observational analyses replicated in two independent UK cohorts of young people. <i>BMJ Open</i> , 2020 , 10, e032494	3	3
48	Risk preference and choice stochasticity during decisions for other people. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2018 , 18, 331-341	3.5	3
47	The chronometry of risk processing in the human cortex. <i>Frontiers in Neuroscience</i> , 2013 , 7, 146	5.1	3
46	Positron Emission Tomography in Psychopharmacology. <i>International Review of Psychiatry</i> , 1990 , 2, 427-439	3.9	3
45	The roles of online and offline replay in planning		3
44	Opportunities for emotion and mental health research in the resource-rationality framework. <i>Behavioral and Brain Sciences</i> , 2020 , 43, e21	0.9	3
43	Towards formal models of psychopathological traits that explain symptom trajectories. <i>BMC Medicine</i> , 2020 , 18, 264	11.4	3
42	Generative replay for compositional visual understanding in the prefrontal-hippocampal circuit		3
41	Sharing a Context with Other Rewarding Events Increases the Probability that Neutral Events will be Recollected. <i>Frontiers in Human Neuroscience</i> , 2015 , 9, 683	3.3	3
40	Older adults fail to form stable task representations during model-based reversal inference. <i>Neurobiology of Aging</i> , 2019 , 74, 90-100	5.6	3
39	Model based planners reflect on their model-free propensities. <i>PLoS Computational Biology</i> , 2021 , 17, e1008552	5	3
38	Model-based aversive learning in humans is supported by preferential task state reactivation. <i>Science Advances</i> , 2021 , 7,	14.3	3

37	Social training reconfigures prediction errors to shape Self-Other boundaries. <i>Nature Communications</i> , 2020 , 11, 3030	17.4	2
36	Re-construction of action awareness depends on an internal model of action-outcome timing. <i>Consciousness and Cognition</i> , 2014 , 25, 11-6	2.6	2
35	Competition strength influences individual preferences in an auction game. <i>Cognition</i> , 2014 , 133, 480-7	3.5	2
34	Functional imaging and the neurobiology of the psychoses. <i>Seminars in Neuroscience</i> , 1995 , 7, 165-171		2
33	Author response: A map of abstract relational knowledge in the human hippocampal-entorhinal cortex 2017 ,		2
32	Multi-Round Trust Game Quantifies Inter-Individual Differences in Social Exchange from Adolescence to Adulthood. <i>Computational Psychiatry</i> , 2021 , 5, 102-118	3.8	2
31	SSRIs modulate asymmetric learning from reward and punishment		2
30	Noradrenaline modulates decision urgency during sequential information gathering		2
29	Learning in anticipation of reward and punishment: perspectives across the human lifespan. <i>Neurobiology of Aging</i> , 2020 , 96, 49-57	5.6	2
28	Social discounting of pain. <i>Journal of the Experimental Analysis of Behavior</i> , 2020 , 114, 308-325	2.1	2
27	A Reduced Self-Positive Belief Underpins Greater Sensitivity to Negative Evaluation in Socially Anxious Individuals. <i>Computational Psychiatry</i> , 2021 , 5, 21-37	3.8	2
26	Efficiency and prioritization of inference-based credit assignment. <i>Current Biology</i> , 2021 , 31, 2747-2756.e6	6.6	2
25	Shared responsibility decreases the sense of agency in the human brain		2
24	How beliefs about self-creation inflate value in the human brain. <i>Frontiers in Human Neuroscience</i> , 2015 , 9, 473	3.3	1
23	The body in the brain. <i>Daedalus</i> , 2006 , 135, 78-85	2	1
22	A neurocomputational model for intrinsic reward		1
21	Metacognitive impairments extend perceptual decision making weaknesses in compulsivity		1
20	Opportunities, risks and challenges in global mental health and population neuroscience: a case of Sino-German cooperation. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2021 , 271, 1027-1034	5.1	1

19	Examining the relationship between altered brain functional connectome and disinhibition across 33 impulsive and compulsive behaviours.. <i>British Journal of Psychiatry</i> , 2021 , 1-3	5.4	1
18	Preference uncertainty accounts for developmental effects on susceptibility to peer influence in adolescence. <i>Nature Communications</i> , 2021 , 12, 3823	17.4	1
17	Explaining distortions in metacognition with an attractor network model of decision uncertainty. <i>PLoS Computational Biology</i> , 2021 , 17, e1009201	5	1
16	Overcoming Pavlovian bias in semantic space. <i>Scientific Reports</i> , 2021 , 11, 3416	4.9	1
15	Better than expected: the influence of option expectations during decision-making. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018 , 285, 20182472	4.4	1
14	Neural consequences of competing stimuli in both visual hemifields: A physiological basis for visual extinction 2000 , 47, 440		1
13	Dopamine enhances model-free credit assignment through boosting of retrospective model-based inference. <i>ELife</i> , 2021 , 10,	8.9	1
12	Synaptic Gain Abnormalities in Schizophrenia and the Potential Relevance for Cognition.. <i>Biological Psychiatry</i> , 2022 , 91, 167-169	7.9	0
11	Digital Phenotyping and Mobile Sensing in Addiction Psychiatry. <i>Pharmacopsychiatry</i> , 2021 , 54, 287-288	2	0
10	Ergodicity-breaking reveals time optimal decision making in humans. <i>PLoS Computational Biology</i> , 2021 , 17, e1009217	5	0
9	A Neurocomputational Model for Intrinsic Reward. <i>Journal of Neuroscience</i> , 2021 , 41, 8963-8971	6.6	0
8	Disrupted state transition learning as a computational marker of compulsivity. <i>Psychological Medicine</i> , 1-11	6.9	0
7	Mobile Data Collection of Cognitive-Behavioral Tasks in Substance Use Disorders: Where Are We Now?. <i>Neuropsychobiology</i> , 2022 , 1-13	4	0
6	GeneBrain Structure Relationships: Arbitrary Assumptions of Heterogeneity Generate Unfalsifiable ClaimsReply. <i>Archives of General Psychiatry</i> , 2007 , 64, 1098		
5	Feeling States in Emotion 2004 , 204-220		
4	Positron emission tomography in the study of neuropsychiatric disorders ¶ts uses and potential. <i>Irish Journal of Psychological Medicine</i> , 1989 , 6, 81-88	3	
3	Assigning the right credit to the wrong action: compulsivity in the general population is associated with augmented outcome-irrelevant value-based learning. <i>Translational Psychiatry</i> , 2021 , 11, 564	8.6	
2	Dreading the pain of others? Altruistic responses to others' pain underestimate dread. <i>Journal of the Experimental Analysis of Behavior</i> , 2021 , 116, 359-378	2.1	

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The Origins of Forgetting in a Case of Isolated Retrograde Amnesia Following a Haemorrhage: Evidence From Functional Imaging. *Neurocase*, **1998**, 4, 437-446

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