

# Raymond Joseph Dolan

## List of Publications by Year in Descending Order

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

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	Synaptic Gain Abnormalities in Schizophrenia and the Potential Relevance for Cognition.. <i>Biological Psychiatry</i> , <b>2022</b> , 91, 167-169	7.9	0
647	Mobile Data Collection of Cognitive-Behavioral Tasks in Substance Use Disorders: Where Are We Now?. <i>Neuropsychobiology</i> , <b>2022</b> , 1-13	4	0
646	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> , <b>2021</b> , 11, 564	8.6	
645	Multi-Round Trust Game Quantifies Inter-Individual Differences in Social Exchange from Adolescence to Adulthood. <i>Computational Psychiatry</i> , <b>2021</b> , 5, 102-118	3.8	2
644	Dreading the pain of others? Altruistic responses to others' pain underestimate dread. <i>Journal of the Experimental Analysis of Behavior</i> , <b>2021</b> , 116, 359-378	2.1	
643	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> , <b>2021</b> , 271, 1027-1034	5.1	1
642	A Reduced Self-Positive Belief Underpins Greater Sensitivity to Negative Evaluation in Socially Anxious Individuals. <i>Computational Psychiatry</i> , <b>2021</b> , 5, 21-37	3.8	2
641	Experience replay is associated with efficient nonlocal learning. <i>Science</i> , <b>2021</b> , 372,	33.3	22
640	Examining the relationship between altered brain functional connectome and disinhibition across 33 impulsive and compulsive behaviours.. <i>British Journal of Psychiatry</i> , <b>2021</b> , 1-3	5.4	1
639	Preference uncertainty accounts for developmental effects on susceptibility to peer influence in adolescence. <i>Nature Communications</i> , <b>2021</b> , 12, 3823	17.4	1
638	Temporally delayed linear modelling (TDLM) measures replay in both animals and humans. <i>ELife</i> , <b>2021</b> , 10,	8.9	5
637	Decision-making ability, psychopathology, and brain connectivity. <i>Neuron</i> , <b>2021</b> , 109, 2025-2040.e7	13.9	4
636	Efficiency and prioritization of inference-based credit assignment. <i>Current Biology</i> , <b>2021</b> , 31, 2747-2756.e6	6.6	2
635	Explaining distortions in metacognition with an attractor network model of decision uncertainty. <i>PLoS Computational Biology</i> , <b>2021</b> , 17, e1009201	5	1
634	Replay bursts in humans coincide with activation of the default mode and parietal alpha networks. <i>Neuron</i> , <b>2021</b> , 109, 882-893.e7	13.9	26
633	Brain micro-architecture and disinhibition: a latent phenotyping study across 33 impulsive and compulsive behaviours. <i>Neuropsychopharmacology</i> , <b>2021</b> , 46, 423-431	8.7	5
632	Human subjects exploit a cognitive map for credit assignment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	5

631	Human complex exploration strategies are enriched by noradrenaline-modulated heuristics. <i>ELife</i> , <b>2021</b> , 10,	8.9	6
630	Model based planners reflect on their model-free propensities. <i>PLoS Computational Biology</i> , <b>2021</b> , 17, e1008552	5	3
629	Overcoming Pavlovian bias in semantic space. <i>Scientific Reports</i> , <b>2021</b> , 11, 3416	4.9	1
628	Model-based aversive learning in humans is supported by preferential task state reactivation. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	3
627	Impaired neural replay of inferred relationships in schizophrenia. <i>Cell</i> , <b>2021</b> , 184, 4315-4328.e17	56.2	9
626	Digital Phenotyping and Mobile Sensing in Addiction Psychiatry. <i>Pharmacopsychiatry</i> , <b>2021</b> , 54, 287-288	2	0
625	Ergodicity-breaking reveals time optimal decision making in humans. <i>PLoS Computational Biology</i> , <b>2021</b> , 17, e1009217	5	0
624	A Neurocomputational Model for Intrinsic Reward. <i>Journal of Neuroscience</i> , <b>2021</b> , 41, 8963-8971	6.6	0
623	Transdiagnostic neuroimaging markers of psychiatric risk: A narrative review. <i>NeuroImage: Clinical</i> , <b>2021</b> , 30, 102634	5.3	5
622	Dopamine enhances model-free credit assignment through boosting of retrospective model-based inference. <i>ELife</i> , <b>2021</b> , 10,	8.9	1
621	Representation of probabilistic outcomes during risky decision-making. <i>Nature Communications</i> , <b>2020</b> , 11, 2419	17.4	4
620	Predictors of risky foraging behaviour in healthy young people. <i>Nature Human Behaviour</i> , <b>2020</b> , 4, 832-843	13.8	5
619	A mechanistic account of serotonin's impact on mood. <i>Nature Communications</i> , <b>2020</b> , 11, 2335	17.4	11
618	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> , <b>2020</b> , 10, e032494	3	3
617	Social training reconfigures prediction errors to shape Self-Other boundaries. <i>Nature Communications</i> , <b>2020</b> , 11, 3030	17.4	2
616	Episodic memory retrieval success is associated with rapid replay of episode content. <i>Nature Neuroscience</i> , <b>2020</b> , 23, 1025-1033	25.5	24
615	The value of what's to come: Neural mechanisms coupling prediction error and the utility of anticipation. <i>Science Advances</i> , <b>2020</b> , 6, eaba3828	14.3	20
614	Neurocomputational mechanisms underpinning aberrant social learning in young adults with low self-esteem. <i>Translational Psychiatry</i> , <b>2020</b> , 10, 96	8.6	7

613	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> , <b>2020</b> , 117, 3248-3253	11.5	52
612	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> , <b>2020</b> , 222, 389-396	3.6	4
611	Translation of Computational Psychiatry in the Context of Addiction. <i>JAMA Psychiatry</i> , <b>2020</b> , 77, 1099-1105	10.5	4
610	Uncertainty in learning, choice, and visual fixation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 3291-3300	11.5	8
609	The influence of subcortical shortcuts on disordered sensory and cognitive processing. <i>Nature Reviews Neuroscience</i> , <b>2020</b> , 21, 264-276	13.5	28
608	The roles of online and offline replay in planning. <i>ELife</i> , <b>2020</b> , 9,	8.9	22
607	Opportunities for emotion and mental health research in the resource-rationality framework. <i>Behavioral and Brain Sciences</i> , <b>2020</b> , 43, e21	0.9	3
606	White matter tract myelin maturation and its association with general psychopathology in adolescence and early adulthood. <i>Human Brain Mapping</i> , <b>2020</b> , 41, 827-839	5.9	19
605	Schizotypy-Related Magnetization of Cortex in Healthy Adolescence Is Colocated With Expression of Schizophrenia-Related Genes. <i>Biological Psychiatry</i> , <b>2020</b> , 88, 248-259	7.9	24
604	Multiple Holdouts With Stability: Improving the Generalizability of Machine Learning Analyses of Brain-Behavior Relationships. <i>Biological Psychiatry</i> , <b>2020</b> , 87, 368-376	7.9	11
603	Addiction Research Consortium: Losing and regaining control over drug intake (ReCoDe)-From trajectories to mechanisms and interventions. <i>Addiction Biology</i> , <b>2020</b> , 25, e12866	4.6	70
602	Learning in anticipation of reward and punishment: perspectives across the human lifespan. <i>Neurobiology of Aging</i> , <b>2020</b> , 96, 49-57	5.6	2
601	Towards formal models of psychopathological traits that explain symptom trajectories. <i>BMC Medicine</i> , <b>2020</b> , 18, 264	11.4	3
600	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> , <b>2020</b> , 117, 25911-25922	11.5	9
599	Social discounting of pain. <i>Journal of the Experimental Analysis of Behavior</i> , <b>2020</b> , 114, 308-325	2.1	2
598	Dogmatism manifests in lowered information search under uncertainty. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 31527-31534	11.5	7
597	Associations between aversive learning processes and transdiagnostic psychiatric symptoms in a general population sample. <i>Nature Communications</i> , <b>2020</b> , 11, 4179	17.4	13
596	Distinct Processing of Aversive Experience in Amygdala Subregions. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , <b>2020</b> , 5, 291-300	3.4	18

595	The role of dopamine in dynamic effort-reward integration. <i>Neuropsychopharmacology</i> , <b>2020</b> , 45, 1448-1453	18.5	7
594	Childhood socio-economic disadvantage predicts reduced myelin growth across adolescence and young adulthood. <i>Human Brain Mapping</i> , <b>2020</b> , 41, 3392-3402	5.9	16
593	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> , <b>2019</b> , 116, 18732-18737	11.5	16
592	The role of the hippocampus in weighting expectations during inference under uncertainty. <i>Cortex</i> , <b>2019</b> , 115, 1-14	3.8	8
591	Compulsivity and impulsivity traits linked to attenuated developmental frontostriatal myelination trajectories. <i>Nature Neuroscience</i> , <b>2019</b> , 22, 992-999	25.5	51
590	Fractionation of impulsive and compulsive trans-diagnostic phenotypes and their longitudinal associations. <i>Australian and New Zealand Journal of Psychiatry</i> , <b>2019</b> , 53, 896-907	2.6	21
589	Retrospective model-based inference guides model-free credit assignment. <i>Nature Communications</i> , <b>2019</b> , 10, 750	17.4	17
588	Brain-behaviour modes of covariation in healthy and clinically depressed young people. <i>Scientific Reports</i> , <b>2019</b> , 9, 11536	4.9	10
587	What Underlies Political Polarization? A Manifesto for Computational Political Psychology. <i>Trends in Cognitive Sciences</i> , <b>2019</b> , 23, 820-822	14	15
586	Distinct Roles of Dopamine and Noradrenaline in Incidental Memory. <i>Journal of Neuroscience</i> , <b>2019</b> , 39, 7715-7721	6.6	9
585	High-precision magnetoencephalography for reconstructing amygdalar and hippocampal oscillations during prediction of safety and threat. <i>Human Brain Mapping</i> , <b>2019</b> , 40, 4114-4129	5.9	12
584	Locus coeruleus imaging as a biomarker for noradrenergic dysfunction in neurodegenerative diseases. <i>Brain</i> , <b>2019</b> , 142, 2558-2571	11.2	109
583	Human Replay Spontaneously Reorganizes Experience. <i>Cell</i> , <b>2019</b> , 178, 640-652.e14	56.2	137
582	A computational account of threat-related attentional bias. <i>PLoS Computational Biology</i> , <b>2019</b> , 15, e1007341	5.41	15
581	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> , <b>2019</b> , 15, e1006803	5	49
580	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> , <b>2019</b> , 116, 15871-15876	11.5	23
579	Annual Research Review: Developmental computational psychiatry. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , <b>2019</b> , 60, 412-426	7.9	19
578	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> , <b>2019</b> , 116, 261-270	11.5	21

577	Computing Value from Quality and Quantity in Human Decision-Making. <i>Journal of Neuroscience</i> , <b>2019</b> , 39, 163-176	6.6	10
576	Older adults fail to form stable task representations during model-based reversal inference. <i>Neurobiology of Aging</i> , <b>2019</b> , 74, 90-100	5.6	3
575	Locus coeruleus integrity in old age is selectively related to memories linked with salient negative events. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 2228-2233	11.5	59
574	Value encoding in the globus pallidus: fMRI reveals an interaction effect between reward and dopamine drive. <i>NeuroImage</i> , <b>2018</b> , 173, 249-257	7.9	8
573	Morphometric Similarity Networks Detect Microscale Cortical Organization and Predict Inter-Individual Cognitive Variation. <i>Neuron</i> , <b>2018</b> , 97, 231-247.e7	13.9	149
572	Structural covariance networks are coupled to expression of genes enriched in supragranular layers of the human cortex. <i>NeuroImage</i> , <b>2018</b> , 171, 256-267	7.9	101
571	Adolescent Tuning of Association Cortex in Human Structural Brain Networks. <i>Cerebral Cortex</i> , <b>2018</b> , 28, 281-294	5.1	84
570	Risk preference and choice stochasticity during decisions for other people. <i>Cognitive, Affective and Behavioral Neuroscience</i> , <b>2018</b> , 18, 331-341	3.5	3
569	Decreased value-sensitivity in schizophrenia. <i>Psychiatry Research</i> , <b>2018</b> , 259, 295-301	9.9	9
568	Learning Contextual Reward Expectations for Value Adaptation. <i>Journal of Cognitive Neuroscience</i> , <b>2018</b> , 30, 50-69	3.1	5
567	Neural activity and fundamental learning, motivated by monetary loss and reward, are intact in mild to moderate major depressive disorder. <i>PLoS ONE</i> , <b>2018</b> , 13, e0201451	3.7	15
566	Beta-Blocker Propranolol Modulates Decision Urgency During Sequential Information Gathering. <i>Journal of Neuroscience</i> , <b>2018</b> , 38, 7170-7178	6.6	18
565	Decodability of Reward Learning Signals Predicts Mood Fluctuations. <i>Current Biology</i> , <b>2018</b> , 28, 1433-1439.e7	13.3	27
564	Computation in Psychotherapy, or How Computational Psychiatry Can Aid Learning-Based Psychological Therapies. <i>Computational Psychiatry</i> , <b>2018</b> , 2, 50-73	3.8	27
563	Developmental cognitive neuroscience using latent change score models: A tutorial and applications. <i>Developmental Cognitive Neuroscience</i> , <b>2018</b> , 33, 99-117	5.5	138
562	Better than expected: the influence of option expectations during decision-making. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2018</b> , 285, 20182472	4.4	1
561	Hypotheses About the Relationship of Cognition With Psychopathology Should be Tested by Embedding Them Into Empirical Priors. <i>Frontiers in Psychology</i> , <b>2018</b> , 9, 2504	3.4	6
560	Change, stability, and instability in the Pavlovian guidance of behaviour from adolescence to young adulthood. <i>PLoS Computational Biology</i> , <b>2018</b> , 14, e1006679	5	20

559	Metacognitive Failure as a Feature of Those Holding Radical Beliefs. <i>Current Biology</i> , <b>2018</b> , 28, 4014-4021, e8	1.5	59
558	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> , <b>2018</b> , 115, E10167-E10176	11.5	39
557	Age-dependent Pavlovian biases influence motor decision-making. <i>PLoS Computational Biology</i> , <b>2018</b> , 14, e1006304	5	7
556	Agent-specific learning signals for self-other distinction during mentalising. <i>PLoS Biology</i> , <b>2018</b> , 16, e2004752	4.7	5
555	Magnetoencephalography decoding reveals structural differences within integrative decision processes. <i>Nature Human Behaviour</i> , <b>2018</b> , 2, 670-681	12.8	15
554	Cohort Profile: The NSPN 2400 Cohort: a developmental sample supporting the Wellcome Trust NeuroScience in Psychiatry Network. <i>International Journal of Epidemiology</i> , <b>2018</b> , 47, 18-19g	7.8	48
553	Whole-Brain Neural Dynamics of Probabilistic Reward Prediction. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 3789-3798	6.7	12
552	Moral transgressions corrupt neural representations of value. <i>Nature Neuroscience</i> , <b>2017</b> , 20, 879-885	25.5	68
551	Inferences about moral character moderate the impact of consequences on blame and praise. <i>Cognition</i> , <b>2017</b> , 167, 201-211	3.5	30
550	Dissecting the Function of Hippocampal Oscillations in a Human Anxiety Model. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 6869-6876	6.6	30
549	Impact of nutrition on social decision making. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 6510-6514	11.5	21
548	Neural and computational processes underlying dynamic changes in self-esteem. <i>ELife</i> , <b>2017</b> , 6,	8.9	46
547	Characterising the latent structure and organisation of self-reported thoughts, feelings and behaviours in adolescents and young adults. <i>PLoS ONE</i> , <b>2017</b> , 12, e0175381	3.7	28
546	Increased decision thresholds enhance information gathering performance in juvenile Obsessive-Compulsive Disorder (OCD). <i>PLoS Computational Biology</i> , <b>2017</b> , 13, e1005440	5	37
545	Other People's Money: The Role of Reciprocity and Social Uncertainty in Decisions for Others. <i>Journal of Neuroscience, Psychology, and Economics</i> , <b>2017</b> , 10, 59-80	1.6	4
544	Vigour in active avoidance. <i>Scientific Reports</i> , <b>2017</b> , 7, 60	4.9	7
543	Metacognitive impairments extend perceptual decision making weaknesses in compulsivity. <i>Scientific Reports</i> , <b>2017</b> , 7, 6614	4.9	40
542	Separate mesocortical and mesolimbic pathways encode effort and reward learning signals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E7395-E7404	11.5	62



541	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> , <b>2017</b> , 58, 129-139	5.6	14
540	Association of Neural and Emotional Impacts of Reward Prediction Errors With Major Depression. <i>JAMA Psychiatry</i> , <b>2017</b> , 74, 790-797	14.5	93
539	Building a New Field of Computational Psychiatry. <i>Biological Psychiatry</i> , <b>2017</b> , 82, 388-390	7.9	16
538	Increased decision thresholds trigger extended information gathering across the compulsivity spectrum. <i>Translational Psychiatry</i> , <b>2017</b> , 7, 1296	8.6	29
537	A Goal-Directed Bayesian Framework for Categorization. <i>Frontiers in Psychology</i> , <b>2017</b> , 8, 408	3.4	6
536	Noradrenaline blockade specifically enhances metacognitive performance. <i>ELife</i> , <b>2017</b> , 6,	8.9	44
535	Sequential inference as a mode of cognition and its correlates in fronto-parietal and hippocampal brain regions. <i>PLoS Computational Biology</i> , <b>2017</b> , 13, e1005418	5	12
534	A unifying Bayesian account of contextual effects in value-based choice. <i>PLoS Computational Biology</i> , <b>2017</b> , 13, e1005769	5	14
533	A map of abstract relational knowledge in the human hippocampal-entorhinal cortex. <i>ELife</i> , <b>2017</b> , 6,	8.9	139
532	Author response: A map of abstract relational knowledge in the human hippocampal-entorhinal cortex <b>2017</b> ,		2
531	Local striatal reward signals can be predicted from corticostriatal connectivity. <i>NeuroImage</i> , <b>2017</b> , 159, 9-17	7.9	10
530	Parsing the Role of the Hippocampus in Approach-Avoidance Conflict. <i>Cerebral Cortex</i> , <b>2017</b> , 27, 201-215.	15.1	19
529	Peripheral Serotonin 1B Receptor Transcription Predicts the Effect of Acute Tryptophan Depletion on Risky Decision-Making. <i>International Journal of Neuropsychopharmacology</i> , <b>2017</b> , 20, 58-66	5.8	4
528	Profiling neuronal ion channelopathies with non-invasive brain imaging and dynamic causal models: Case studies of single gene mutations. <i>NeuroImage</i> , <b>2016</b> , 124, 43-53	7.9	23
527	Neural Mechanisms of Harm-Avoidance Learning: A Model for Obsessive-Compulsive Disorder?. <i>JAMA Psychiatry</i> , <b>2016</b> , 73, 1196-1197	14.5	18
526	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> , <b>2016</b> , 113, 9105-10	11.5	255
525	The social contingency of momentary subjective well-being. <i>Nature Communications</i> , <b>2016</b> , 7, 11825	17.4	15
524	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> , <b>2016</b> , 113, 12868-12873	11.5	96



523	Neural processes mediating contextual influences on human choice behaviour. <i>Nature Communications</i> , <b>2016</b> , 7, 12416	17.4	25
522	Deep brain stimulation of the subthalamic nucleus modulates sensitivity to decision outcome value in Parkinson's disease. <i>Scientific Reports</i> , <b>2016</b> , 6, 32509	4.9	12
521	Risk Taking for Potential Reward Decreases across the Lifespan. <i>Current Biology</i> , <b>2016</b> , 26, 1634-1639	6.3	57
520	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> , <b>2016</b> , 134 Pt A, 65-77	3.1	18
519	Neural signals encoding shifts in beliefs. <i>NeuroImage</i> , <b>2016</b> , 125, 578-586	7.9	49
518	Prospective and Pavlovian mechanisms in aversive behaviour. <i>Cognition</i> , <b>2016</b> , 146, 415-25	3.5	15
517	Mood as Representation of Momentum. <i>Trends in Cognitive Sciences</i> , <b>2016</b> , 20, 15-24	14	128
516	Approach-Induced Biases in Human Information Sampling. <i>PLoS Biology</i> , <b>2016</b> , 14, e2000638	9.7	26
515	Happier People Show Greater Neural Connectivity during Negative Self-Referential Processing. <i>PLoS ONE</i> , <b>2016</b> , 11, e0149554	3.7	8
514	Oxytocin Effect on Collective Decision Making: A Randomized Placebo Controlled Study. <i>PLoS ONE</i> , <b>2016</b> , 11, e0153352	3.7	7
513	Stimulus Novelty Energizes Actions in the Absence of Explicit Reward. <i>PLoS ONE</i> , <b>2016</b> , 11, e0159120	3.7	4
512	A Bayesian model of context-sensitive value attribution. <i>ELife</i> , <b>2016</b> , 5,	8.9	17
511	Perimovement decrease of alpha/beta oscillations in the human nucleus accumbens. <i>Journal of Neurophysiology</i> , <b>2016</b> , 116, 1663-1672	3.2	5
510	The modulation of savouring by prediction error and its effects on choice. <i>ELife</i> , <b>2016</b> , 5,	8.9	40
509	How People Use Social Information to Find out What to Want in the Paradigmatic Case of Inter-temporal Preferences. <i>PLoS Computational Biology</i> , <b>2016</b> , 12, e1004965	5	26
508	Changing pattern in the basal ganglia: motor switching under reduced dopaminergic drive. <i>Scientific Reports</i> , <b>2016</b> , 6, 23327	4.9	9
507	Computations of uncertainty mediate acute stress responses in humans. <i>Nature Communications</i> , <b>2016</b> , 7, 10996	17.4	139
506	Acute stress selectively impairs learning to act. <i>Scientific Reports</i> , <b>2016</b> , 6, 29816	4.9	17

505	Effective Connectivity from Early Visual Cortex to Posterior Occipitotemporal Face Areas Supports Face Selectivity and Predicts Developmental Prosopagnosia. <i>Journal of Neuroscience</i> , <b>2016</b> , 36, 3821-8	6.6	46
504	Multiple value signals in dopaminergic midbrain and their role in avoidance contexts. <i>NeuroImage</i> , <b>2016</b> , 135, 197-203	7.9	8
503	The influence of contextual reward statistics on risk preference. <i>NeuroImage</i> , <b>2016</b> , 128, 74-84	7.9	25
502	The Dopaminergic Midbrain Mediates an Effect of Average Reward on Pavlovian Vigor. <i>Journal of Cognitive Neuroscience</i> , <b>2016</b> , 28, 1303-17	3.1	20
501	Dopamine Increases a Value-Independent Gambling Propensity. <i>Neuropsychopharmacology</i> , <b>2016</b> , 41, 2658-67	8.7	43
500	Computational Psychiatry of ADHD: Neural Gain Impairments across Marrian Levels of Analysis. <i>Trends in Neurosciences</i> , <b>2016</b> , 39, 63-73	13.3	64
499	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> , <b>2016</b> , 113, 4812-7	11.5	45
498	Fast Sequences of Non-spatial State Representations in Humans. <i>Neuron</i> , <b>2016</b> , 91, 194-204	13.9	83
497	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> , <b>2016</b> , 371,	5.8	116
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11	The roles of online and offline replay in planning		3
10	A neurocomputational model for intrinsic reward		1
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- 1 Disrupted state transition learning as a computational marker of compulsivity. *Psychological Medicine*, 1-11 6.9 o