Lesley K Fellows

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Ventromedial frontal cortex mediates affective shifting in humans: evidence from a reversal learning paradigm. Brain, 2003, 126, 1830-1837.	7.6	539
2	Different Underlying Impairments in Decision-making Following Ventromedial and Dorsolateral Frontal Lobe Damage in Humans. Cerebral Cortex, 2004, 15, 58-63.	2.9	505
3	Food and drug cues activate similar brain regions: A meta-analysis of functional MRI studies. Physiology and Behavior, 2012, 106, 317-324.	2.1	386
4	The Role of Ventromedial Prefrontal Cortex in Decision Making: Judgment under Uncertainty or Judgment Per Se?. Cerebral Cortex, 2007, 17, 2669-2674.	2.9	287
5	Is anterior cingulate cortex necessary for cognitive control?. Brain, 2005, 128, 788-796.	7.6	224
6	Neurobehavioural correlates of body mass index and eating behaviours in adults: A systematic review. Neuroscience and Biobehavioral Reviews, 2013, 37, 279-299.	6.1	200
7	Ventromedial Frontal Lobe Damage Disrupts Value Maximization in Humans. Journal of Neuroscience, 2011, 31, 7527-7532.	3.6	193
8	The Cognitive Neuroscience of Human Decision Making: A Review and Conceptual Framework. Behavioral and Cognitive Neuroscience Reviews, 2004, 3, 159-172.	3.9	185
9	Ventromedial Frontal Lobe Plays a Critical Role in Facial Emotion Recognition. Journal of Cognitive Neuroscience, 2008, 20, 721-733.	2.3	178
10	A Longitudinal View of Apathy and Its Impact After Stroke. Stroke, 2009, 40, 3299-3307.	2.0	176
11	Deciding how to decide: ventromedial frontal lobe damage affects information acquisition in multi-attribute decision making. Brain, 2006, 129, 944-952.	7.6	174
12	Double Dissociation of Stimulus-Value and Action-Value Learning in Humans with Orbitofrontal or Anterior Cingulate Cortex Damage. Journal of Neuroscience, 2011, 31, 15048-15052.	3.6	172
13	Physiological Stimulation Increases Nonoxidative Glucose Metabolism in the Brain of the Freely Moving Rat. Journal of Neurochemistry, 1993, 60, 1258-1263.	3.9	171
14	Beyond Reversal: A Critical Role for Human Orbitofrontal Cortex in Flexible Learning from Probabilistic Feedback. Journal of Neuroscience, 2010, 30, 16868-16875.	3.6	171
15	Dissociable elements of human foresight: a role for the ventromedial frontal lobes in framing the future, but not in discounting future rewards. Neuropsychologia, 2005, 43, 1214-1221.	1.6	156
16	Eating traits questionnaires as a continuum of a single concept. Uncontrolled eating. Appetite, 2015, 90, 229-239.	3.7	156
17	Orbitofrontal contributions to valueâ€based decision making: evidence from humans with frontal lobe damage. Annals of the New York Academy of Sciences, 2011, 1239, 51-58.	3.8	147
18	Extracellular Brain Glucose Levels Reflect Local Neuronal Activity: A Microdialysis Study in Awake, Freely Moving Rats. Journal of Neurochemistry, 1992, 59, 2141-2147.	3.9	146

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19	Method Matters: An Empirical Study of Impact in Cognitive Neuroscience. Journal of Cognitive Neuroscience, 2005, 17, 850-858.	2.3	142
20	Viewpoints: Dialogues on the functional role of the ventromedial prefrontal cortex. Nature Neuroscience, 2016, 19, 1545-1552.	14.8	135
21	Striatal D1 and D2 signaling differentially predict learning from positive and negative outcomes. NeuroImage, 2015, 109, 95-101.	4.2	131
22	Lesion Studies in Contemporary Neuroscience. Trends in Cognitive Sciences, 2019, 23, 653-671.	7.8	128
23	Contrasting Effects of Medial and Lateral Orbitofrontal Cortex Lesions on Credit Assignment and Decision-Making in Humans. Journal of Neuroscience, 2017, 37, 7023-7035.	3.6	123
24	The Role of Orbitofrontal Cortex in Decision Making. Annals of the New York Academy of Sciences, 2007, 1121, 421-430.	3.8	117
25	Dorsal Medial Prefrontal Cortex Plays a Necessary Role in Rapid Error Prediction in Humans. Journal of Neuroscience, 2008, 28, 14000-14005.	3.6	110
26	Enzyme packed bed system for the on-line measurement of glucose, glutamate, and lactate in brain microdialyzate. Analytical Chemistry, 1992, 64, 1790-1794.	6.5	100
27	Lesion Evidence That Two Distinct Regions within Prefrontal Cortex are Critical for <i>n</i> Back Performance in Humans. Journal of Cognitive Neuroscience, 2009, 21, 2263-2275.	2.3	98
28	Association of Brain Structure Changes and Cognitive Function With Combination Antiretroviral Therapy in HIV-Positive Individuals. JAMA Neurology, 2018, 75, 72.	9.0	94
29	Are core component processes of executive function dissociable within the frontal lobes? Evidence from humans with focal prefrontal damage. Cortex, 2013, 49, 1790-1800.	2.4	84
30	The human ventromedial frontal lobe is critical for learning from negative feedback. Brain, 2008, 131, 1323-1331.	7.6	83
31	Compensatory striatal–cerebellar connectivity in mild–moderate Parkinson's disease. NeuroImage: Clinical, 2016, 10, 54-62.	2.7	83
32	Rapid changes in extracellular glucose levels and blood flow in the striatum of the freely moving rat. Brain Research, 1993, 604, 225-231.	2.2	82
33	Are You Upset? Distinct Roles for Orbitofrontal and Lateral Prefrontal Cortex in Detecting and Distinguishing Facial Expressions of Emotion. Cerebral Cortex, 2012, 22, 2904-2912.	2.9	79
34	Regionally Specific Brain Volumetric and Cortical Thickness Changes in HIV-Infected Patients in the HAART Era. Journal of Acquired Immune Deficiency Syndromes (1999), 2017, 74, 563-570.	2.1	75
35	Advances in understanding ventromedial prefrontal function: The accountant joins the executive. Neurology, 2007, 68, 991-995.	1.1	74
36	Computerized testing augments pencil-and-paper tasks in measuring HIV-associated mild cognitive impairment*. HIV Medicine, 2011, 12, 472-480.	2.2	71

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37	Medial prefrontal cortex plays a critical and selective role in â€ ⁻ feeling of knowing' meta-memory judgments. Neuropsychologia, 2008, 46, 2958-2965.	1.6	70
38	Behavioral and Neural Valuation of Foods Is Driven by Implicit Knowledge of Caloric Content. Psychological Science, 2014, 25, 2168-2176.	3.3	68
39	Ventromedial frontal lobe damage disrupts the accuracy, but not the speed, of value-based preference judgments. Neuropsychologia, 2012, 50, 1536-1542.	1.6	65
40	Acute Phenylalanine/Tyrosine Depletion Reduces Motivation to Smoke Cigarettes Across Stages of Addiction. Neuropsychopharmacology, 2011, 36, 2469-2476.	5.4	61
41	An intrinsic association between olfactory identification and spatial memory in humans. Nature Communications, 2018, 9, 4162.	12.8	59
42	Gender differences in the association between stop-signal reaction times, body mass indices and/or spontaneous food intake in pre-school children: an early model of compromised inhibitory control and obesity. International Journal of Obesity, 2015, 39, 614-619.	3.4	51
43	Testing necessary regional frontal contributions to value assessment and fixation-based updating. Nature Communications, 2015, 6, 10120.	12.8	47
44	A Critical Role for Human Ventromedial Frontal Lobe in Value Comparison of Complex Objects Based on Attribute Configuration. Journal of Neuroscience, 2019, 39, 4124-4132.	3.6	46
45	Genetic variation in CYP2A6 predicts neural reactivity to smoking cues as measured using fMRI. NeuroImage, 2012, 60, 2136-2143.	4.2	45
46	Eye spy: The predictive value of fixation patterns in detecting subtle and extreme emotions from faces. Cognition, 2014, 133, 443-456.	2.2	45
47	Identifying Neurocognitive Decline at 36 Months among HIV-Positive Participants in the CHARTER Cohort Using Group-Based Trajectory Analysis. PLoS ONE, 2016, 11, e0155766.	2.5	45
48	Competency and Consent in Dementia. Journal of the American Geriatrics Society, 1998, 46, 922-926.	2.6	43
49	Understanding and optimizing brain health in HIV now: protocol for a longitudinal cohort study with multiple randomized controlled trials. BMC Neurology, 2016, 16, 8.	1.8	43
50	A better screening tool for HIV-associated neurocognitive disorders. Aids, 2015, 29, 895-902.	2.2	41
51	Effects of levodopa on corticostriatal circuits supporting working memory in Parkinson's disease. Cortex, 2017, 93, 193-205.	2.4	41
52	HIV infection and cerebral small vessel disease are independently associated with brain atrophy and cognitive impairment. Aids, 2019, 33, 1197-1205.	2.2	41
53	Ventromedial Frontal Lobe Damage Alters how Specific Attributes are Weighed in Subjective Valuation. Cerebral Cortex, 2018, 28, 3857-3867.	2.9	37
54	Lateral Orbitofrontal Cortex Links Social Impressions to Political Choices. Journal of Neuroscience, 2015, 35, 8507-8514.	3.6	36

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55	Patient Registries in Cognitive Neuroscience Research: Advantages, Challenges, and Practical Advice. Journal of Cognitive Neuroscience, 2008, 20, 1107-1113.	2.3	35
56	Ventromedial Frontal Cortex Is Critical for Guiding Attention to Reward-Predictive Visual Features in Humans. Journal of Neuroscience, 2015, 35, 12813-12823.	3.6	31
57	HIV-Related Stigma Affects Cognition in Older Men Living With HIV. Journal of Acquired Immune Deficiency Syndromes (1999), 2019, 80, 198-204.	2.1	31
58	Prefrontal cortex interactions with the amygdala in primates. Neuropsychopharmacology, 2022, 47, 163-179.	5.4	28
59	Relationships between cognition, function, and quality of life among HIV+ Canadian men. Quality of Life Research, 2020, 29, 37-55.	3.1	27
60	ATP-Sensitive Potassium Channels and Local Energy Demands in the Rat Hippocampus: An In Vivo Study. Journal of Neurochemistry, 1993, 61, 949-954.	3.9	25
61	Clinical significance of complex repetitive discharges: A case-control study. Muscle and Nerve, 2003, 28, 504-507.	2.2	24
62	Association between cognitive reserve and cognitive performance in people with HIV: a systematic review and meta-analysis. AIDS Care - Psychological and Socio-Medical Aspects of AIDS/HIV, 2020, 32, 1-11.	1.2	24
63	A model of food reward learning with dynamic reward exposure. Frontiers in Computational Neuroscience, 2012, 6, 82.	2.1	23
64	Necessary Contributions of Human Frontal Lobe Subregions to Reward Learning in a Dynamic, Multidimensional Environment. Journal of Neuroscience, 2016, 36, 9843-9858.	3.6	23
65	Material-specific interference control is dissociable and lateralized in human prefrontal cortex. Neuropsychologia, 2014, 64, 310-319.	1.6	22
66	Personality and Situation Predictors of Consistent Eating Patterns. PLoS ONE, 2015, 10, e0144134.	2.5	20
67	Can Clinical Data Predict Progression to Dementia in Amnestic Mild Cognitive Impairment?. Canadian Journal of Neurological Sciences, 2008, 35, 314-322.	0.5	19
68	Contrasting roles for lateral and ventromedial prefrontal cortex in transient and dispositional affective experience. Social Cognitive and Affective Neuroscience, 2011, 6, 128-137.	3.0	19
69	Quantifying cognition at the bedside: a novel approach combining cognitive symptoms and signs in HIV. BMC Neurology, 2015, 15, 224.	1.8	19
70	The Ventromedial Frontal Lobe Contributes to Forming Effective Solutions to Real-world Problems. Journal of Cognitive Neuroscience, 2017, 29, 991-1001.	2.3	19
71	Evidence for a Role for the Dorsal Anterior Cingulate Cortex in Disengaging from an Incorrect Action. PLoS ONE, 2014, 9, e101126.	2.5	19
72	Towards a brain-to-society systems model of individual choice. Marketing Letters, 2008, 19, 323-336.	2.9	18

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73	Dissecting the Effects of Disease and Treatment on Impulsivity in Parkinson's Disease. Journal of the International Neuropsychological Society, 2012, 18, 942-951.	1.8	17
74	Impact of Loneliness on Brain Health and Quality of Life Among Adults Living With HIV in Canada. Journal of Acquired Immune Deficiency Syndromes (1999), 2020, 84, 336-344.	2.1	17
75	Do Political and Economic Choices Rely on Common Neural Substrates? A Systematic Review of the Emerging Neuropolitics Literature. Frontiers in Psychology, 2016, 7, 264.	2.1	16
76	Personalized Risk Index for Neurocognitive Decline Among People With Well-Controlled HIV Infection. Journal of Acquired Immune Deficiency Syndromes (1999), 2017, 76, 48-54.	2.1	16
77	Estimates of Prevalence of Cognitive Impairment From Research Studies Can Be Affected by Selection Bias. Journal of Acquired Immune Deficiency Syndromes (1999), 2018, 78, e7-e8.	2.1	16
78	ls ventromedial prefrontal cortex critical for behavior change without external reinforcement?. Neuropsychologia, 2019, 124, 208-215.	1.6	15
79	A Neuroethics Backbone for the Evolving Canadian Brain Research Strategy. Neuron, 2019, 101, 370-374.	8.1	15
80	The Neuroscience of Human Decision-Making Through the Lens of Learning and Memory. Current Topics in Behavioral Neurosciences, 2016, 37, 231-251.	1.7	14
81	The electrophysiology of neuroHIV: A systematic review of EEG and MEG studies in people with HIV infection since the advent of highly-active antiretroviral therapy. Clinical Neurophysiology, 2017, 128, 965-976.	1.5	14
82	Properties of a brief assessment tool for longitudinal measurement of cognition in people living with HIV. PLoS ONE, 2019, 14, e0213908.	2.5	14
83	Repeated Transcranial Magnetic Stimulation for Improving Cognition in Patients With Alzheimer Disease: Protocol for a Randomized, Double-Blind, Placebo-Controlled Trial. JMIR Research Protocols, 2021, 10, e25144.	1.0	14
84	Under construction: ventral and lateral frontal lobe contributions to value-based decision-making and learning. F1000Research, 2020, 9, 158.	1.6	14
85	Development and validation of a voice-of-the-patient measure of cognitive concerns experienced by people living with HIV. Quality of Life Research, 2021, 30, 921-930.	3.1	12
86	Evidence and Urgency Related EEG Signals during Dynamic Decision-Making in Humans. Journal of Neuroscience, 2021, 41, 5711-5722.	3.6	12
87	Eating Right: Linking Foodâ€Related Decisionâ€Making Concepts From Neuroscience, Psychology, and Education. Mind, Brain, and Education, 2012, 6, 206-219.	1.9	11
88	Double dissociation of error inhibition and correction deficits after basal ganglia or dorsomedial frontal damage in humans. Neuropsychologia, 2015, 69, 130-139.	1.6	11
89	The functions of the frontal lobes: Evidence from patients with focal brain damage. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2019, 163, 19-34.	1.8	10
90	Ventromedial frontal lobe damage affects interpretation, not exploration, of emotional facial expressions. Cortex, 2019, 113, 312-328.	2.4	10

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91	The Neuropsychology of Decision-Making. , 2017, , 277-289.		8
92	Association of HIV Infection and Antiretroviral Therapy With Arterial Stiffness: A Systematic Review and Meta-Analysis. Hypertension, 2021, 78, 320-332.	2.7	8
93	Factors influencing psychological distress during the COVID-19 pandemic in people aging with HIV AIDS Research and Human Retroviruses, 2021, , .	1.1	8
94	Current Concepts in Decision-Making Research from Bench to Bedside. Journal of the International Neuropsychological Society, 2012, 18, 937-941.	1.8	7
95	A Preferential Role for Ventromedial Prefrontal Cortex in Assessing "the Value of the Whole―in Multiattribute Object Evaluation. Journal of Neuroscience, 2021, 41, 5056-5068.	3.6	7
96	A longitudinal view of successful aging with HIV: role of resilience and environmental factors. Quality of Life Research, 2022, 31, 1135-1145.	3.1	7
97	Characterization of a food image stimulus set for the study of multi-attribute decision-making. MNI Open Research, 0, 2, 4.	1.0	7
98	Factors partitioning physical frailty in people aging with HIV: A classification and regression tree approach. HIV Medicine, 2022, 23, 738-749.	2.2	7
99	Predicting occupational outcomes from neuropsychological test performance in older people with HIV. Aids, 2021, 35, 1765-1774.	2.2	6
100	Viewing orbitofrontal cortex contributions to decision-making through the lens of object recognition Behavioral Neuroscience, 2021, 135, 182-191.	1.2	5
101	Development and usability of a feedback tool, "My Personal Brain Health Dashboardâ€ , to improve setting of self-management goals among people living with HIV in Canada. Quality of Life Research, 2021, 30, 3199-3211.	3.1	4
102	Feasibility and potential benefits of a structured exercise program on cognitive performance in HIV. AIDS Care - Psychological and Socio-Medical Aspects of AIDS/HIV, 2021, 33, 1-9.	1.2	4
103	Are the Items of the Starkstein Apathy Scale Fit for the Purpose of Measuring Apathy Post-stroke?. Frontiers in Psychology, 2021, 12, 754103.	2.1	4
104	Causal Prefrontal Contributions to Stop-Signal Task Performance in Humans. Journal of Cognitive Neuroscience, 2020, 33, 1-14.	2.3	3
105	Development and Validation of a Cognitive Reserve Index in HIV. Journal of the International Neuropsychological Society, 2022, 28, 230-238.	1.8	3
106	Multimodal neuroimaging markers of variation in cognitive ability in older HIV+ men. PLoS ONE, 2021, 16, e0243670.	2.5	3
107	Action for better brain health among people living with HIV: protocol for a randomized controlled trial. BMC Infectious Diseases, 2021, 21, 843.	2.9	3
108	Efavirenz and cognition that matters. Aids, 2020, 34, 1105-1106.	2.2	2

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109	Value Neglect: A Critical Role for Ventromedial Frontal Lobe in Learning the Value of Spatial Locations. Cerebral Cortex, 2020, 30, 3632-3643.	2.9	2
110	An interdisciplinary peer mentoring program for faculty members. Medical Education, 2021, 55, 1331-1332.	2.1	2
111	Group studies in experimental neuropsychology , 2012, , 647-659.		2
112	Does effort-cost decision-making relate to real-world motivation in people living with HIV?. Journal of Clinical and Experimental Neuropsychology, 2021, 43, 1032-1043.	1.3	2
113	From Precision Medicine to Precision Convergence for Multilevel Resilience—The Aging Brain and Its Social Isolation. Frontiers in Public Health, 0, 10, .	2.7	2
114	Damaged Self, Damaged Control: A Component Process Analysis of the Effects of Frontal Lobe Damage on Human Decision Making. , 2010, , 27-37.		1
115	A Short-term Psychological Intervention for People Living with HIV During the First Wave of COVID-19. International Journal of Cognitive Therapy, 2021, , 1-21.	2.2	1
116	Why (Interdisciplinary) Risk Is Good for Eating Right. Mind, Brain, and Education, 2014, 8, 13-14.	1.9	0
117	The Source of Metabolic Substrates for Neuronal Energy Metabolism. , 1997, , 561-569.		0
118	Cognitive Impairment in People Living With HIV Infection in the Era of Combination Antiretroviral Therapy. , 2019, , .		0
119	Remembering to choose the future. ELife, 2019, 8, .	6.0	0