

# Lesley K Fellows

## List of Publications by Year in descending order

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119  
papers

7,647  
citations

61857

43  
h-index

56606

83  
g-index

130  
all docs

130  
docs citations

130  
times ranked

7925  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ventromedial frontal cortex mediates affective shifting in humans: evidence from a reversal learning paradigm. <i>Brain</i> , 2003, 126, 1830-1837.	3.7	539
2	Different Underlying Impairments in Decision-making Following Ventromedial and Dorsolateral Frontal Lobe Damage in Humans. <i>Cerebral Cortex</i> , 2004, 15, 58-63.	1.6	505
3	Food and drug cues activate similar brain regions: A meta-analysis of functional MRI studies. <i>Physiology and Behavior</i> , 2012, 106, 317-324.	1.0	386
4	The Role of Ventromedial Prefrontal Cortex in Decision Making: Judgment under Uncertainty or Judgment Per Se?. <i>Cerebral Cortex</i> , 2007, 17, 2669-2674.	1.6	287
5	Is anterior cingulate cortex necessary for cognitive control?. <i>Brain</i> , 2005, 128, 788-796.	3.7	224
6	Neurobehavioural correlates of body mass index and eating behaviours in adults: A systematic review. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 279-299.	2.9	200
7	Ventromedial Frontal Lobe Damage Disrupts Value Maximization in Humans. <i>Journal of Neuroscience</i> , 2011, 31, 7527-7532.	1.7	193
8	The Cognitive Neuroscience of Human Decision Making: A Review and Conceptual Framework. <i>Behavioral and Cognitive Neuroscience Reviews</i> , 2004, 3, 159-172.	3.9	185
9	Ventromedial Frontal Lobe Plays a Critical Role in Facial Emotion Recognition. <i>Journal of Cognitive Neuroscience</i> , 2008, 20, 721-733.	1.1	178
10	A Longitudinal View of Apathy and Its Impact After Stroke. <i>Stroke</i> , 2009, 40, 3299-3307.	1.0	176
11	Deciding how to decide: ventromedial frontal lobe damage affects information acquisition in multi-attribute decision making. <i>Brain</i> , 2006, 129, 944-952.	3.7	174
12	Double Dissociation of Stimulus-Value and Action-Value Learning in Humans with Orbitofrontal or Anterior Cingulate Cortex Damage. <i>Journal of Neuroscience</i> , 2011, 31, 15048-15052.	1.7	172
13	Physiological Stimulation Increases Nonoxidative Glucose Metabolism in the Brain of the Freely Moving Rat. <i>Journal of Neurochemistry</i> , 1993, 60, 1258-1263.	2.1	171
14	Beyond Reversal: A Critical Role for Human Orbitofrontal Cortex in Flexible Learning from Probabilistic Feedback. <i>Journal of Neuroscience</i> , 2010, 30, 16868-16875.	1.7	171
15	Dissociable elements of human foresight: a role for the ventromedial frontal lobes in framing the future, but not in discounting future rewards. <i>Neuropsychologia</i> , 2005, 43, 1214-1221.	0.7	156
16	Eating traits questionnaires as a continuum of a single concept. <i>Uncontrolled eating. Appetite</i> , 2015, 90, 229-239.	1.8	156
17	Orbitofrontal contributions to value-based decision making: evidence from humans with frontal lobe damage. <i>Annals of the New York Academy of Sciences</i> , 2011, 1239, 51-58.	1.8	147
18	Extracellular Brain Glucose Levels Reflect Local Neuronal Activity: A Microdialysis Study in Awake, Freely Moving Rats. <i>Journal of Neurochemistry</i> , 1992, 59, 2141-2147.	2.1	146

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19	Method Matters: An Empirical Study of Impact in Cognitive Neuroscience. <i>Journal of Cognitive Neuroscience</i> , 2005, 17, 850-858.	1.1	142
20	Viewpoints: Dialogues on the functional role of the ventromedial prefrontal cortex. <i>Nature Neuroscience</i> , 2016, 19, 1545-1552.	7.1	135
21	Striatal D1 and D2 signaling differentially predict learning from positive and negative outcomes. <i>NeuroImage</i> , 2015, 109, 95-101.	2.1	131
22	Lesion Studies in Contemporary Neuroscience. <i>Trends in Cognitive Sciences</i> , 2019, 23, 653-671.	4.0	128
23	Contrasting Effects of Medial and Lateral Orbitofrontal Cortex Lesions on Credit Assignment and Decision-Making in Humans. <i>Journal of Neuroscience</i> , 2017, 37, 7023-7035.	1.7	123
24	The Role of Orbitofrontal Cortex in Decision Making. <i>Annals of the New York Academy of Sciences</i> , 2007, 1121, 421-430.	1.8	117
25	Dorsal Medial Prefrontal Cortex Plays a Necessary Role in Rapid Error Prediction in Humans. <i>Journal of Neuroscience</i> , 2008, 28, 14000-14005.	1.7	110
26	Enzyme packed bed system for the on-line measurement of glucose, glutamate, and lactate in brain microdialyzate. <i>Analytical Chemistry</i> , 1992, 64, 1790-1794.	3.2	100
27	Lesion Evidence That Two Distinct Regions within Prefrontal Cortex are Critical for <i>in</i> -Back Performance in Humans. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 2263-2275.	1.1	98
28	Association of Brain Structure Changes and Cognitive Function With Combination Antiretroviral Therapy in HIV-Positive Individuals. <i>JAMA Neurology</i> , 2018, 75, 72.	4.5	94
29	Are core component processes of executive function dissociable within the frontal lobes? Evidence from humans with focal prefrontal damage. <i>Cortex</i> , 2013, 49, 1790-1800.	1.1	84
30	The human ventromedial frontal lobe is critical for learning from negative feedback. <i>Brain</i> , 2008, 131, 1323-1331.	3.7	83
31	Compensatory striatal-cerebellar connectivity in mild-moderate Parkinson's disease. <i>NeuroImage: Clinical</i> , 2016, 10, 54-62.	1.4	83
32	Rapid changes in extracellular glucose levels and blood flow in the striatum of the freely moving rat. <i>Brain Research</i> , 1993, 604, 225-231.	1.1	82
33	Are You Upset? Distinct Roles for Orbitofrontal and Lateral Prefrontal Cortex in Detecting and Distinguishing Facial Expressions of Emotion. <i>Cerebral Cortex</i> , 2012, 22, 2904-2912.	1.6	79
34	Regionally Specific Brain Volumetric and Cortical Thickness Changes in HIV-Infected Patients in the HAART Era. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2017, 74, 563-570.	0.9	75
35	Advances in understanding ventromedial prefrontal function: The accountant joins the executive. <i>Neurology</i> , 2007, 68, 991-995.	1.5	74
36	Computerized testing augments pencil-and-paper tasks in measuring HIV-associated mild cognitive impairment*. <i>HIV Medicine</i> , 2011, 12, 472-480.	1.0	71

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37	Medial prefrontal cortex plays a critical and selective role in "feeling of knowing" meta-memory judgments. <i>Neuropsychologia</i> , 2008, 46, 2958-2965.	0.7	70
38	Behavioral and Neural Valuation of Foods Is Driven by Implicit Knowledge of Caloric Content. <i>Psychological Science</i> , 2014, 25, 2168-2176.	1.8	68
39	Ventromedial frontal lobe damage disrupts the accuracy, but not the speed, of value-based preference judgments. <i>Neuropsychologia</i> , 2012, 50, 1536-1542.	0.7	65
40	Acute Phenylalanine/Tyrosine Depletion Reduces Motivation to Smoke Cigarettes Across Stages of Addiction. <i>Neuropsychopharmacology</i> , 2011, 36, 2469-2476.	2.8	61
41	An intrinsic association between olfactory identification and spatial memory in humans. <i>Nature Communications</i> , 2018, 9, 4162.	5.8	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. <i>International Journal of Obesity</i> , 2015, 39, 614-619.	1.6	51
43	Testing necessary regional frontal contributions to value assessment and fixation-based updating. <i>Nature Communications</i> , 2015, 6, 10120.	5.8	47
44	A Critical Role for Human Ventromedial Frontal Lobe in Value Comparison of Complex Objects Based on Attribute Configuration. <i>Journal of Neuroscience</i> , 2019, 39, 4124-4132.	1.7	46
45	Genetic variation in CYP2A6 predicts neural reactivity to smoking cues as measured using fMRI. <i>NeuroImage</i> , 2012, 60, 2136-2143.	2.1	45
46	Eye spy: The predictive value of fixation patterns in detecting subtle and extreme emotions from faces. <i>Cognition</i> , 2014, 133, 443-456.	1.1	45
47	Identifying Neurocognitive Decline at 36 Months among HIV-Positive Participants in the CHARTER Cohort Using Group-Based Trajectory Analysis. <i>PLoS ONE</i> , 2016, 11, e0155766.	1.1	45
48	Competency and Consent in Dementia. <i>Journal of the American Geriatrics Society</i> , 1998, 46, 922-926.	1.3	43
49	Understanding and optimizing brain health in HIV now: protocol for a longitudinal cohort study with multiple randomized controlled trials. <i>BMC Neurology</i> , 2016, 16, 8.	0.8	43
50	A better screening tool for HIV-associated neurocognitive disorders. <i>Aids</i> , 2015, 29, 895-902.	1.0	41
51	Effects of levodopa on corticostriatal circuits supporting working memory in Parkinson's disease. <i>Cortex</i> , 2017, 93, 193-205.	1.1	41
52	HIV infection and cerebral small vessel disease are independently associated with brain atrophy and cognitive impairment. <i>Aids</i> , 2019, 33, 1197-1205.	1.0	41
53	Ventromedial Frontal Lobe Damage Alters how Specific Attributes are Weighed in Subjective Valuation. <i>Cerebral Cortex</i> , 2018, 28, 3857-3867.	1.6	37
54	Lateral Orbitofrontal Cortex Links Social Impressions to Political Choices. <i>Journal of Neuroscience</i> , 2015, 35, 8507-8514.	1.7	36

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55	Patient Registries in Cognitive Neuroscience Research: Advantages, Challenges, and Practical Advice. <i>Journal of Cognitive Neuroscience</i> , 2008, 20, 1107-1113.	1.1	35
56	Ventromedial Frontal Cortex Is Critical for Guiding Attention to Reward-Predictive Visual Features in Humans. <i>Journal of Neuroscience</i> , 2015, 35, 12813-12823.	1.7	31
57	HIV-Related Stigma Affects Cognition in Older Men Living With HIV. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2019, 80, 198-204.	0.9	31
58	Prefrontal cortex interactions with the amygdala in primates. <i>Neuropsychopharmacology</i> , 2022, 47, 163-179.	2.8	28
59	Relationships between cognition, function, and quality of life among HIV+ Canadian men. <i>Quality of Life Research</i> , 2020, 29, 37-55.	1.5	27
60	ATP-Sensitive Potassium Channels and Local Energy Demands in the Rat Hippocampus: An In Vivo Study. <i>Journal of Neurochemistry</i> , 1993, 61, 949-954.	2.1	25
61	Clinical significance of complex repetitive discharges: A case-control study. <i>Muscle and Nerve</i> , 2003, 28, 504-507.	1.0	24
62	Association between cognitive reserve and cognitive performance in people with HIV: a systematic review and meta-analysis. <i>AIDS Care - Psychological and Socio-Medical Aspects of AIDS/HIV</i> , 2020, 32, 1-11.	0.6	24
63	A model of food reward learning with dynamic reward exposure. <i>Frontiers in Computational Neuroscience</i> , 2012, 6, 82.	1.2	23
64	Necessary Contributions of Human Frontal Lobe Subregions to Reward Learning in a Dynamic, Multidimensional Environment. <i>Journal of Neuroscience</i> , 2016, 36, 9843-9858.	1.7	23
65	Material-specific interference control is dissociable and lateralized in human prefrontal cortex. <i>Neuropsychologia</i> , 2014, 64, 310-319.	0.7	22
66	Personality and Situation Predictors of Consistent Eating Patterns. <i>PLoS ONE</i> , 2015, 10, e0144134.	1.1	20
67	Can Clinical Data Predict Progression to Dementia in Amnestic Mild Cognitive Impairment?. <i>Canadian Journal of Neurological Sciences</i> , 2008, 35, 314-322.	0.3	19
68	Contrasting roles for lateral and ventromedial prefrontal cortex in transient and dispositional affective experience. <i>Social Cognitive and Affective Neuroscience</i> , 2011, 6, 128-137.	1.5	19
69	Quantifying cognition at the bedside: a novel approach combining cognitive symptoms and signs in HIV. <i>BMC Neurology</i> , 2015, 15, 224.	0.8	19
70	The Ventromedial Frontal Lobe Contributes to Forming Effective Solutions to Real-world Problems. <i>Journal of Cognitive Neuroscience</i> , 2017, 29, 991-1001.	1.1	19
71	Evidence for a Role for the Dorsal Anterior Cingulate Cortex in Disengaging from an Incorrect Action. <i>PLoS ONE</i> , 2014, 9, e101126.	1.1	19
72	Towards a brain-to-society systems model of individual choice. <i>Marketing Letters</i> , 2008, 19, 323-336.	1.9	18

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73	Dissecting the Effects of Disease and Treatment on Impulsivity in Parkinson's Disease. <i>Journal of the International Neuropsychological Society</i> , 2012, 18, 942-951.	1.2	17
74	Impact of Loneliness on Brain Health and Quality of Life Among Adults Living With HIV in Canada. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2020, 84, 336-344.	0.9	17
75	Do Political and Economic Choices Rely on Common Neural Substrates? A Systematic Review of the Emerging Neuropolitics Literature. <i>Frontiers in Psychology</i> , 2016, 7, 264.	1.1	16
76	Personalized Risk Index for Neurocognitive Decline Among People With Well-Controlled HIV Infection. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2017, 76, 48-54.	0.9	16
77	Estimates of Prevalence of Cognitive Impairment From Research Studies Can Be Affected by Selection Bias. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2018, 78, e7-e8.	0.9	16
78	Is ventromedial prefrontal cortex critical for behavior change without external reinforcement?. <i>Neuropsychologia</i> , 2019, 124, 208-215.	0.7	15
79	A Neuroethics Backbone for the Evolving Canadian Brain Research Strategy. <i>Neuron</i> , 2019, 101, 370-374.	3.8	15
80	The Neuroscience of Human Decision-Making Through the Lens of Learning and Memory. <i>Current Topics in Behavioral Neurosciences</i> , 2016, 37, 231-251.	0.8	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. <i>Clinical Neurophysiology</i> , 2017, 128, 965-976.	0.7	14
82	Properties of a brief assessment tool for longitudinal measurement of cognition in people living with HIV. <i>PLoS ONE</i> , 2019, 14, e0213908.	1.1	14
83	Repeated Transcranial Magnetic Stimulation for Improving Cognition in Patients With Alzheimer Disease: Protocol for a Randomized, Double-Blind, Placebo-Controlled Trial. <i>JMIR Research Protocols</i> , 2021, 10, e25144.	0.5	14
84	Under construction: ventral and lateral frontal lobe contributions to value-based decision-making and learning. <i>F1000Research</i> , 2020, 9, 158.	0.8	14
85	Development and validation of a voice-of-the-patient measure of cognitive concerns experienced by people living with HIV. <i>Quality of Life Research</i> , 2021, 30, 921-930.	1.5	12
86	Evidence and Urgency Related EEG Signals during Dynamic Decision-Making in Humans. <i>Journal of Neuroscience</i> , 2021, 41, 5711-5722.	1.7	12
87	Eating Right: Linking Food-Related Decision-Making Concepts From Neuroscience, Psychology, and Education. <i>Mind, Brain, and Education</i> , 2012, 6, 206-219.	0.9	11
88	Double dissociation of error inhibition and correction deficits after basal ganglia or dorsomedial frontal damage in humans. <i>Neuropsychologia</i> , 2015, 69, 130-139.	0.7	11
89	The functions of the frontal lobes: Evidence from patients with focal brain damage. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2019, 163, 19-34.	1.0	10
90	Ventromedial frontal lobe damage affects interpretation, not exploration, of emotional facial expressions. <i>Cortex</i> , 2019, 113, 312-328.	1.1	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.	1.3	8
93	Factors influencing psychological distress during the COVID-19 pandemic in people aging with HIV.. AIDS Research and Human Retroviruses, 2021, , .	0.5	8
94	Current Concepts in Decision-Making Research from Bench to Bedside. Journal of the International Neuropsychological Society, 2012, 18, 937-941.	1.2	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.	1.7	7
96	A longitudinal view of successful aging with HIV: role of resilience and environmental factors. Quality of Life Research, 2022, 31, 1135-1145.	1.5	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.	1.0	7
99	Predicting occupational outcomes from neuropsychological test performance in older people with HIV. Aids, 2021, 35, 1765-1774.	1.0	6
100	Viewing orbitofrontal cortex contributions to decision-making through the lens of object recognition.. Behavioral Neuroscience, 2021, 135, 182-191.	0.6	5
101	Development and usability of a feedback tool, "My Personal Brain Health Dashboard", to improve setting of self-management goals among people living with HIV in Canada. Quality of Life Research, 2021, 30, 3199-3211.	1.5	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.	0.6	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.	1.1	4
104	Causal Prefrontal Contributions to Stop-Signal Task Performance in Humans. Journal of Cognitive Neuroscience, 2020, 33, 1-14.	1.1	3
105	Development and Validation of a Cognitive Reserve Index in HIV. Journal of the International Neuropsychological Society, 2022, 28, 230-238.	1.2	3
106	Multimodal neuroimaging markers of variation in cognitive ability in older HIV+ men. PLoS ONE, 2021, 16, e0243670.	1.1	3
107	Action for better brain health among people living with HIV: protocol for a randomized controlled trial. BMC Infectious Diseases, 2021, 21, 843.	1.3	3
108	Efavirenz and cognition that matters. Aids, 2020, 34, 1105-1106.	1.0	2

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109	Value Neglect: A Critical Role for Ventromedial Frontal Lobe in Learning the Value of Spatial Locations. <i>Cerebral Cortex</i> , 2020, 30, 3632-3643.	1.6	2
110	An interdisciplinary peer mentoring program for faculty members. <i>Medical Education</i> , 2021, 55, 1331-1332.	1.1	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?. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2021, 43, 1032-1043.	0.8	2
113	From Precision Medicine to Precision Convergence for Multilevel Resilienceâ€”The Aging Brain and Its Social Isolation. <i>Frontiers in Public Health</i> , 0, 10, .	1.3	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. <i>International Journal of Cognitive Therapy</i> , 2021, , 1-21.	1.3	1
116	Why (Interdisciplinary) Risk Is Good for Eating Right. <i>Mind, Brain, and Education</i> , 2014, 8, 13-14.	0.9	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. <i>ELife</i> , 2019, 8, .	2.8	0