

# Catherine C Price

## List of Publications by Year in descending order

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Version: 2024-02-01

116  
papers

3,951  
citations

136740

32  
h-index

138251

58  
g-index

119  
all docs

119  
docs citations

119  
times ranked

4376  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recommendations for the nomenclature of cognitive change associated with anaesthesia and surgeryâ€”2018. <i>British Journal of Anaesthesia</i> , 2018, 121, 1005-1012.	1.5	420
2	Type and Severity of Cognitive Decline in Older Adults after Noncardiac Surgery. <i>Anesthesiology</i> , 2008, 108, 8-17.	1.3	209
3	Postoperative cognitive disorders. <i>Current Opinion in Critical Care</i> , 2011, 17, 376-381.	1.6	200
4	Best Practices for Postoperative Brain Health. <i>Anesthesia and Analgesia</i> , 2018, 127, 1406-1413.	1.1	183
5	Clinically Silent Cerebral Ischemic Events After Cardiac Surgery: Their Incidence, Regional Vascular Occurrence, and Procedural Dependence. <i>Annals of Thoracic Surgery</i> , 2006, 81, 2160-2166.	0.7	135
6	State of the clinical science of perioperative brain health: report from the American Society of Anesthesiologists Brain Health Initiative Summit 2018. <i>British Journal of Anaesthesia</i> , 2019, 123, 464-478.	1.5	134
7	Learning classification models of cognitive conditions from subtle behaviors in the digital Clock Drawing Test. <i>Machine Learning</i> , 2016, 102, 393-441.	3.4	111
8	The heterogeneity of mild cognitive impairment: A neuropsychological analysis. <i>Journal of the International Neuropsychological Society</i> , 2010, 16, 84-93.	1.2	108
9	Reversal of the concreteness effect in semantic dementia. <i>Cognitive Neuropsychology</i> , 2009, 26, 568-579.	0.4	103
10	Effects of STN and GPI Deep Brain Stimulation on Impulse Control Disorders and Dopamine Dysregulation Syndrome. <i>PLoS ONE</i> , 2012, 7, e29768.	1.1	99
11	Capacity to maintain mental set in dementia. <i>Neuropsychologia</i> , 2002, 40, 435-445.	0.7	96
12	Verbal Serial List Learning in Mild Cognitive Impairment: A Profile Analysis of Interference, Forgetting, and Errors. <i>Journal of the International Neuropsychological Society</i> , 2011, 17, 905-914.	1.2	87
13	Management of the hospitalized patient with Parkinsonâ€™s disease: Current state of the field and need for guidelines. <i>Parkinsonism and Related Disorders</i> , 2011, 17, 139-145.	1.1	82
14	Hospitalization in Parkinson disease: A survey of National Parkinson Foundation Centers. <i>Parkinsonism and Related Disorders</i> , 2011, 17, 440-445.	1.1	76
15	Linking MRI Hyperintensities With Patterns of Neuropsychological Impairment. <i>Stroke</i> , 2008, 39, 806-813.	1.0	66
16	From eyesâ€”closed to eyesâ€”open: Role of cholinergic projections in ECâ€”toâ€”EO alpha reactivity revealed by combining EEG and MRI. <i>Human Brain Mapping</i> , 2019, 40, 566-577.	1.9	65
17	Error Analysis of the Nine-Word California Verbal Learning Test (CVLT-9) Among Older Adults With and Without Dementia. <i>Clinical Neuropsychologist</i> , 2002, 16, 81-89.	1.5	63
18	Clock Drawing in the Montreal Cognitive Assessment: Recommendations for Dementia Assessment. <i>Dementia and Geriatric Cognitive Disorders</i> , 2011, 31, 179-187.	0.7	63

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19	A Pilot Study Evaluating Presurgery Neuroanatomical Biomarkers for Postoperative Cognitive Decline after Total Knee Arthroplasty in Older Adults. <i>Anesthesiology</i> , 2014, 120, 601-613.	1.3	61
20	Feasibility and Rationale for Incorporating Frailty and Cognitive Screening Protocols in a Preoperative Anesthesia Clinic. <i>Anesthesia and Analgesia</i> , 2019, 129, 830-838.	1.1	53
21	Leukoaraiosis Severity and List-Learning in Dementia. <i>Clinical Neuropsychologist</i> , 2009, 23, 944-961.	1.5	51
22	MRI-leukoaraiosis thresholds and the phenotypic expression of dementia. <i>Neurology</i> , 2012, 79, 734-740.	1.5	51
23	Alterations in working memory as a function of leukoaraiosis in dementia. <i>Neuropsychologia</i> , 2007, 45, 245-254.	0.7	47
24	Alzheimer's/Vascular Spectrum Dementia: Classification in Addition to Diagnosis. <i>Journal of Alzheimer's Disease</i> , 2020, 73, 63-71.	1.2	47
25	From Binswanger's Disease to Leukoaraiosis: What We Have Learned About Subcortical Vascular Dementia. <i>Clinical Neuropsychologist</i> , 2004, 18, 83-100.	1.5	46
26	The impact of region-specific leukoaraiosis on working memory deficits in dementia. <i>Neuropsychologia</i> , 2008, 46, 2597-2601.	0.7	45
27	Neuropsychological Syndromes Associated with Alzheimer's/Vascular Dementia: A Latent Class Analysis. <i>Journal of Alzheimer's Disease</i> , 2014, 42, 999-1014.	1.2	40
28	Age and Graphomotor Decision Making Assessed with the Digital Clock Drawing Test: The Framingham Heart Study. <i>Journal of Alzheimer's Disease</i> , 2017, 60, 1611-1620.	1.2	38
29	Cognitive Correlates of Digital Clock Drawing Metrics in Older Adults with and without Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2020, 75, 73-83.	1.2	37
30	Reliability of Three Benton Judgment of Line Orientation Short Forms in Idiopathic Parkinson's Disease. <i>Clinical Neuropsychologist</i> , 2013, 27, 1167-1178.	1.5	35
31	Rapid in-person cognitive screening in the preoperative setting: Test considerations and recommendations from the Society for Perioperative Assessment and Quality Improvement (SPAQI). <i>Journal of Clinical Anesthesia</i> , 2020, 62, 109724.	0.7	35
32	The Case for Testing Memory With Both Stories and Word Lists Prior to DBS Surgery for Parkinson's Disease. <i>Clinical Neuropsychologist</i> , 2011, 25, 348-358.	1.5	34
33	Impact of Total Knee Arthroplasty with General Anesthesia on Brain Networks: Cognitive Efficiency and Ventricular Volume Predict Functional Connectivity Decline in Older Adults. <i>Journal of Alzheimer's Disease</i> , 2018, 62, 319-333.	1.2	33
34	The Clinical Diagnosis of Vascular Dementia: A Comparison Among Four Classification Systems and a Proposal for a new Paradigm. <i>Clinical Neuropsychologist</i> , 2004, 18, 6-21.	1.5	32
35	Delayed Recall and Working Memory MMSE Domains Predict Delirium following Cardiac Surgery. <i>Journal of Alzheimer's Disease</i> , 2017, 59, 1027-1035.	1.2	32
36	Striatal and Hippocampal Atrophy in Idiopathic Parkinson's Disease Patients without Dementia: A Morphometric Analysis. <i>Frontiers in Neurology</i> , 2017, 8, 139.	1.1	32

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37	Structural brain correlates of fatigue in older adults with and without Parkinson's disease. <i>NeuroImage: Clinical</i> , 2019, 22, 101730.	1.4	32
38	Dysexecutive Functioning in Mild Cognitive Impairment: Derailment in Temporal Gradients. <i>Journal of the International Neuropsychological Society</i> , 2012, 18, 20-28.	1.2	31
39	Gray and White Matter Contributions to Cognitive Frontostriatal Deficits in Non-Demented Parkinson's Disease. <i>PLoS ONE</i> , 2016, 11, e0147332.	1.1	31
40	Development, Validity, and Normative Data Study for the 12-Word Philadelphia Verbal Learning Test [czP(r)VLT-12] Among Older and Very Old Czech Adults. <i>Clinical Neuropsychologist</i> , 2014, 28, 1162-1181.	1.5	29
41	Considering total intracranial volume and other nuisance variables in brain voxel based morphometry in idiopathic PD. <i>Brain Imaging and Behavior</i> , 2018, 12, 1-12.	1.1	29
42	Verb agreements during on-line sentence processing in Alzheimer's disease and frontotemporal dementia. <i>Brain and Language</i> , 2005, 94, 217-232.	0.8	27
43	Visuoconstructional Impairment in Subtypes of Mild Cognitive Impairment. <i>Applied Neuropsychology Adult</i> , 2016, 23, 43-52.	0.7	27
44	Mapping Dorsal and Ventral Caudate in Older Adults: Method and Validation. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 91.	1.7	27
45	Resilience, pain, and the brain: Relationships differ by sociodemographics. <i>Journal of Neuroscience Research</i> , 2021, 99, 1207-1235.	1.3	25
46	Parkinson's disease and the Stroop color word test: processing speed and interference algorithms. <i>Clinical Neuropsychologist</i> , 2016, 30, 1104-1117.	1.5	23
47	Cognition and Cerebral Infarction in Older Adults After Surgical Aortic Valve Replacement. <i>Annals of Thoracic Surgery</i> , 2019, 107, 787-794.	0.7	23
48	Classifying Non-Dementia and Alzheimer's Disease/Vascular Dementia Patients Using Kinematic, Time-Based, and Visuospatial Parameters: The Digital Clock Drawing Test. <i>Journal of Alzheimer's Disease</i> , 2021, 82, 47-57.	1.2	23
49	Tests of dorsolateral frontal function correlate with objective tests of postural stability in early to moderate stage Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2010, 16, 590-594.	1.1	22
50	Assessing Working Memory in Mild Cognitive Impairment with Serial Order Recall. <i>Journal of Alzheimer's Disease</i> , 2018, 61, 917-928.	1.2	22
51	Mild cognitive impairment in Parkinson's disease: the challenge and the promise. <i>Neuropsychiatric Disease and Treatment</i> , 2005, 1, 37-50.	1.0	21
52	Temporal Lobe and Frontal-Subcortical Dissociations in Non-Demented Parkinson's Disease with Verbal Memory Impairment. <i>PLoS ONE</i> , 2015, 10, e0133792.	1.1	20
53	A majority rule approach for region-of-interest-guided streamline fiber tractography. <i>Brain Imaging and Behavior</i> , 2016, 10, 1137-1147.	1.1	20
54	Clock Drawing Performance Slows for Older Adults After Total Knee Replacement Surgery. <i>Anesthesia and Analgesia</i> , 2019, 129, 212-219.	1.1	19

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55	Orthopedic Surgery and Post-Operative Cognitive Decline in Idiopathic Parkinson's Disease: Considerations from a Pilot Study. <i>Journal of Parkinson's Disease</i> , 2015, 5, 893-905.	1.5	18
56	Are Parkinson's Patients More Vulnerable to the Effects of Cardiovascular Risk: A Neuroimaging and Neuropsychological Study. <i>Journal of the International Neuropsychological Society</i> , 2017, 23, 322-331.	1.2	18
57	Alzheimer's and Other Dementia. <i>Cognitive and Behavioral Neurology</i> , 2006, 19, 112-116.	0.5	16
58	Regional leukoariosis and cognition in non-demented older adults. <i>Brain Imaging and Behavior</i> , 2019, 13, 1246-1254.	1.1	15
59	Influence of Hypertension on Neurocognitive Domains in Nondemented Parkinson's Disease Patients. <i>Parkinson's Disease</i> , 2014, 2014, 1-10.	0.6	14
60	Dimensionless, Scale Invariant, Edge Weight Metric for the Study of Complex Structural Networks. <i>PLoS ONE</i> , 2015, 10, e0131493.	1.1	14
61	Dissociating Statistically-Determined Alzheimer's Disease/Vascular Dementia Neuropsychological Syndromes Using White and Gray Neuroradiological Parameters. <i>Journal of Alzheimer's Disease</i> , 2015, 48, 833-847.	1.2	13
62	Memory Similarities Between Essential Tremor and Parkinson's Disease: A Final Common Pathway?. <i>Clinical Neuropsychologist</i> , 2015, 29, 985-1001.	1.5	13
63	Associations of pain catastrophizing with pain-related brain structure in individuals with or at risk for knee osteoarthritis: Sociodemographic considerations. <i>Brain Imaging and Behavior</i> , 2021, 15, 1769-1777.	1.1	13
64	Lateral ventricle volume is poor predictor of post unilateral DBS motor change for Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2011, 17, 343-347.	1.1	12
65	Marked brain asymmetry with intact cognitive functioning in idiopathic Parkinson's disease: a longitudinal analysis. <i>Clinical Neuropsychologist</i> , 2017, 31, 654-675.	1.5	12
66	Cognition and connectomes in nondementia idiopathic Parkinson's disease. <i>Network Neuroscience</i> , 2018, 2, 106-124.	1.4	12
67	Mild Cognitive Impairment and Decline in Resting State Functional Connectivity after Total Knee Arthroplasty with General Anesthesia. <i>Journal of Alzheimer's Disease</i> , 2019, 69, 1003-1018.	1.2	12
68	Rapid in-person cognitive screening in the preoperative setting: Test considerations and recommendations from the Society for Perioperative Assessment and Quality Improvement (SPAQI). <i>Perioperative Care and Operating Room Management</i> , 2020, 19, 100089.	0.2	12
69	Considerations for Clock Drawing Scoring Systems in Perioperative Anesthesia Settings. <i>Anesthesia and Analgesia</i> , 2019, 128, e61-e64.	1.1	11
70	Chronic Pain Severity and Sociodemographics: An Evaluation of the Neurobiological Interface. <i>Journal of Pain</i> , 2022, 23, 248-262.	0.7	11
71	Small Worldness in Dense and Weighted Connectomes. <i>Frontiers in Physics</i> , 2016, 4, .	1.0	10
72	Thoracoscopic Ablation with Appendage Ligation versus Medical Therapy for Stroke Prevention a Proof-of-Concept Randomized Trial. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2016, 11, 99-105.	0.4	10

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73	Proof of principle: Transformation approach alters caudate nucleus volume and structure-function associations. <i>Brain Imaging and Behavior</i> , 2015, 9, 744-753.	1.1	9
74	Parkinson's Disease Cognitive Phenotypes Show Unique Clock Drawing Features when Measured with Digital Technology. <i>Journal of Parkinson's Disease</i> , 2021, 11, 779-791.	1.5	9
75	Relationships Between Chronic Pain Stage, Cognition, Temporal Lobe Cortex, and Sociodemographic Variables. <i>Journal of Alzheimer's Disease</i> , 2021, 80, 1539-1551.	1.2	9
76	The Boston Process Approach and Digital Neuropsychological Assessment: Past Research and Future Directions. <i>Journal of Alzheimer's Disease</i> , 2022, 87, 1419-1432.	1.2	9
77	Pre- and Post- GPI DBS Neuropsychological Profiles in a Case of X-Linked Dystonia-Parkinsonism. <i>Clinical Neuropsychologist</i> , 2011, 25, 141-159.	1.5	8
78	Visual versus Verbal Working Memory in Statistically Determined Patients with Mild Cognitive Impairment: On behalf of the Consortium for Clinical and Epidemiological Neuropsychological Data Analysis (CENDA). <i>Journal of the International Neuropsychological Society</i> , 2019, 25, 1001-1010.	1.2	8
79	Better Brain and Cognition Prior to Surgery Is Associated With Elevated Postoperative Brain Extracellular Free-Water in Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 117.	1.7	8
80	Statistically Defined Parkinson's Disease Executive and Memory Cognitive Phenotypes: Demographic, Behavioral, and Structural Neuroimaging Comparisons. <i>Journal of Parkinson's Disease</i> , 2021, 11, 283-297.	1.5	8
81	Reliability and Utility of Manual and Automated Estimates of Total Intracranial Volume. <i>Journal of the International Neuropsychological Society</i> , 2018, 24, 206-211.	1.2	7
82	Proof of principle: Preoperative cognitive reserve and brain integrity predicts intra-individual variability in processed EEG (Bispectral Index Monitor) during general anesthesia. <i>PLoS ONE</i> , 2019, 14, e0216209.	1.1	7
83	Normative References for Graphomotor and Latency Digital Clock Drawing Metrics for Adults Age 55 and Older: Operationalizing the Production of a Normal Appearing Clock. <i>Journal of Alzheimer's Disease</i> , 2021, 82, 59-70.	1.2	7
84	Diffusion Magnetic Resonance Imaging Detects Progression in Parkinson's Disease: A Placebo-Controlled Trial of Rasagiline. <i>Movement Disorders</i> , 2022, 37, 325-333.	2.2	7
85	Relationships Between Cognitive Screening Composite Scores and Pain Intensity and Pain Disability in Adults With/At Risk for Knee Osteoarthritis. <i>Clinical Journal of Pain</i> , 2022, 38, 470-475.	0.8	7
86	Pilot Study: Neurocognitive Disorders and Colonoscopy in Older Adults. <i>Anesthesia and Analgesia</i> , 2019, 129, e89-e93.	1.1	6
87	A tale of two stories: Validity of an alternative story memory test in a sample of older adults. <i>Clinical Neuropsychologist</i> , 2020, 34, 158-173.	1.5	6
88	Caregiver Response to an Online Dementia and Caregiver Wellness Education Platform. <i>Journal of Alzheimer's Disease Reports</i> , 2021, 5, 433-442.	1.2	6
89	Neurocognitive Constructs Underlying Executive Control in Statistically-Determined Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2021, 82, 5-16.	1.2	6
90	Dissociating Statistically Determined Normal Cognitive Abilities and Mild Cognitive Impairment Subtypes with DCTclock. <i>Journal of the International Neuropsychological Society</i> , 2023, 29, 148-158.	1.2	6

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91	Implementing Delirium Prevention in the Era of COVID-19. <i>Journal of Alzheimer's Disease</i> , 2021, 79, 31-36.	1.2	5
92	Proof of concept: digital clock drawing behaviors prior to transcatheter aortic valve replacement may predict length of hospital stay and cost of care. <i>Exploration of Medicine</i> , 2021, 2, 110-121.	1.5	5
93	Sepsis and Cognitive Assessment. <i>Journal of Clinical Medicine</i> , 2021, 10, 4269.	1.0	5
94	Associations between pain catastrophizing and resting-state functional brain connectivity: Ethnic/race group differences in persons with chronic knee pain. <i>Journal of Neuroscience Research</i> , 2022, 100, 1047-1062.	1.3	5
95	Variational autoencoder provides proof of concept that compressing CDT to extremely low-dimensional space retains its ability of distinguishing dementia. <i>Scientific Reports</i> , 2022, 12, 7992.	1.6	5
96	Prospective Pilot Investigation: Presurgical Depressive Symptom Severity and Anesthesia Response in Women Undergoing Surgery for Gynecologic Mass Removal. <i>International Journal of Behavioral Medicine</i> , 2015, 22, 521-529.	0.8	4
97	Pilot Investigation: Older Adults With Atrial Fibrillation Demonstrate Greater Brain Leukoaraiosis in Infracortical and Deep Regions Relative to Non-Atrial Fibrillation Peers. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 271.	1.7	4
98	Common neurodegenerative disorders in the perioperative setting: Recommendations for screening from the Society for Perioperative Assessment and Quality Improvement (SPAQI). <i>Perioperative Care and Operating Room Management</i> , 2020, 20, 100092.	0.2	4
99	Pain Severity and Interference in Different Parkinson's Disease Cognitive Phenotypes. <i>Journal of Pain Research</i> , 2020, Volume 13, 3493-3497.	0.8	4
100	Domains of delirium severity in Alzheimer's disease and related dementias. <i>Journal of the American Geriatrics Society</i> , 2022, 70, 1495-1503.	1.3	4
101	Mapping Actuarial Criteria for Parkinson's Disease-Mild Cognitive Impairment onto Data-Driven Cognitive Phenotypes. <i>Brain Sciences</i> , 2022, 12, 54.	1.1	4
102	Phenotyping Cognitive Impairment using Graphomotor and Latency Features in Digital Clock Drawing Test. , 2020, 2020, 5657-5660.		3
103	Perioperative Multidisciplinary Delirium Prevention: A Longitudinal Case Report. <i>A&amp;A Practice</i> , 2021, 15, e01364.	0.2	3
104	Visuospatial performance in patients with statistically-defined mild cognitive impairment. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2020, 42, 319-328.	0.8	3
105	Thoracoscopic Ablation with Appendage Ligation versus Medical Therapy for Stroke Prevention a Proof-of-Concept Randomized Trial. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2016, 11, 99-105.	0.4	3
106	Association of midlife smoking status with change in processing speed and mental flexibility among HIV-seropositive and HIV-seronegative older men: the Multicenter AIDS Cohort Study. <i>Journal of NeuroVirology</i> , 2017, 23, 239-249.	1.0	2
107	A qualitative analysis of clinicians' communication strategies with family members of patients experiencing hospital-acquired delirium. <i>Geriatric Nursing</i> , 2021, 42, 694-699.	0.9	2
108	Functional connectivity of key resting state networks and objectively measured physical activity in older adults with joint pain: A pilot study. <i>Experimental Gerontology</i> , 2021, 153, 111470.	1.2	2

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109	Vascular Cognitive Impairment. , 2009, , 75-86.		2
110	A 2D/3D Convolutional Neural Network for Brain White Matter Lesion Detection in Multimodal MRI. Advances in Intelligent Systems and Computing, 2018, , 377-385.	0.5	2
111	The New Frontier of Perioperative Cognitive Medicine for Alzheimer's Disease and Related Dementias. Neurotherapeutics, 2022, 19, 132-142.	2.1	2
112	Assessing the capacity for mental manipulation in patients with statically-determined mild cognitive impairment using digital technology. Exploration of Medicine, 0, , .	1.5	1
113	A Pilot Study Evaluating Presurgery Neuroanatomical Biomarkers for Postoperative Cognitive Decline After Total Knee Arthroplasty in Older Adults. Survey of Anesthesiology, 2014, 58, 173-174.	0.1	0
114	Postoperative Cognitive Improvement. , 2019, , 34-47.		0
115	Reply. Annals of Thoracic Surgery, 2019, 108, 1583-1584.	0.7	0
116	Right up- left down. Brain and Cognition, 2021, 150, 105727.	0.8	0