

# Miles Berger

## List of Publications by Year in descending order

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Version: 2024-02-01

73  
papers

3,866  
citations

304743

22  
h-index

133252

59  
g-index

78  
all docs

78  
docs citations

78  
times ranked

4729  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Processed Electroencephalogram-Based Brain Anesthetic Resistance Index Is Associated With Postoperative Delirium in Older Adults: A Dual Center Study. <i>Anesthesia and Analgesia</i> , 2022, 134, 149-158.	2.2	11
2	Geriatric Preoperative Optimization: A Review. <i>American Journal of Medicine</i> , 2022, 135, 39-48.	1.5	25
3	Postoperative Cognitive Dysfunction and Delirium. , 2022, , 613-627.		0
4	Relationship Between Depression/Anxiety and Cognitive Function Before and 6 Weeks After Major Non-Cardiac Surgery in Older Adults. <i>Journal of Geriatric Psychiatry and Neurology</i> , 2022, 35, 145-154.	2.3	8
5	Developing a Real-Time Electroencephalogram-Guided Anesthesia-Management Curriculum for Educating Residents: A Single-Center Randomized Controlled Trial. <i>Anesthesia and Analgesia</i> , 2022, 134, 159-170.	2.2	7
6	Postoperative changes in cognition and cerebrospinal fluid neurodegenerative disease biomarkers. <i>Annals of Clinical and Translational Neurology</i> , 2022, 9, 155-170.	3.7	17
7	Regional vs General Anesthesia and Incidence of Postoperative Delirium in Older Patients Undergoing Hip Fracture Surgery. <i>JAMA - Journal of the American Medical Association</i> , 2022, 327, 1707.	7.4	1
8	Association Between Exposure to General Versus Regional Anesthesia and Risk of Dementia in Older Adults. <i>Journal of the American Geriatrics Society</i> , 2021, 69, 58-67.	2.6	13
9	Using Local Anesthesia for Inguinal Hernia Repair Reduces Complications in Older Patients. <i>Journal of Surgical Research</i> , 2021, 258, 64-72.	1.6	15
10	APOE4 Copy Number-Dependent Proteomic Changes in the Cerebrospinal Fluid1. <i>Journal of Alzheimer's Disease</i> , 2021, 79, 511-530.	2.6	11
11	Using local rather than general anesthesia for inguinal hernia repair is associated with shorter operative time and enhanced postoperative recovery. <i>American Journal of Surgery</i> , 2021, 221, 902-907.	1.8	14
12	Immunomodulatory lipid mediator profiling of cerebrospinal fluid following surgery in older adults. <i>Scientific Reports</i> , 2021, 11, 3047.	3.3	5
13	Risk of Spinal Hematoma After Lumbar Puncture. <i>JAMA - Journal of the American Medical Association</i> , 2021, 325, 787.	7.4	0
14	Cerebrospinal Fluid Proteome Changes in Older Non-Cardiac Surgical Patients with Postoperative Cognitive Dysfunction. <i>Journal of Alzheimer's Disease</i> , 2021, 80, 1281-1297.	2.6	9
15	Goldilocks and propofol dosage in older adults: Too much, too little, or just right?. <i>Journal of the American Geriatrics Society</i> , 2021, 69, 2106-2109.	2.6	0
16	A template for physical resilience research in older adults: Methods of the <sc>PRIME&KNEE</sc> study. <i>Journal of the American Geriatrics Society</i> , 2021, 69, 3232-3241.	2.6	13
17	Using local rather than general anesthesia for inguinal hernia repair may significantly reduce complications for frail Veterans. <i>American Journal of Surgery</i> , 2021, 222, 619-624.	1.8	5
18	Perioperative neurocognitive and functional neuroimaging trajectories in older APOE4 carriers compared with non-carriers: secondary analysis of a prospective cohort study. <i>British Journal of Anaesthesia</i> , 2021, 127, 917-928.	3.4	12

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19	Local Anesthesia is Associated with Fewer Complications in Umbilical Hernia Repair in Frail Veterans. <i>Journal of Surgical Research</i> , 2021, 266, 88-95.	1.6	3
20	Racial and Ethnic Disparities in Access to Local Anesthesia for Inguinal Hernia Repair. <i>Journal of Surgical Research</i> , 2021, 266, 366-372.	1.6	4
21	Electroencephalogram-Based Complexity Measures as Predictors of Post-operative Neurocognitive Dysfunction. <i>Frontiers in Systems Neuroscience</i> , 2021, 15, 718769.	2.5	18
22	Age-dependent decrease in minimum alveolar concentration of inhaled anaesthetics: a systematic search of published studies and meta-regression analysis. <i>British Journal of Anaesthesia</i> , 2020, 124, e4-e7.	3.4	24
23	Local Anesthesia Can Reduce Complications in Adults Undergoing Umbilical Hernia Repair. <i>Journal of the American College of Surgeons</i> , 2020, 231, S100-S101.	0.5	0
24	The MARBLE Study Protocol: Modulating ApoE Signaling to Reduce Brain Inflammation, Delirium, and Postoperative Cognitive Dysfunction. <i>Journal of Alzheimer's Disease</i> , 2020, 75, 1319-1328.	2.6	11
25	Of Parachutes, Speedometers, and EEG: What Evidence Do We Need to Use Devices and Monitors?. <i>Anesthesia and Analgesia</i> , 2020, 130, 1274-1277.	2.2	18
26	A New Severity Scoring Scale for the 3-Minute Confusion Assessment Method (3-CAM). <i>Journal of the American Geriatrics Society</i> , 2020, 68, 1874-1876.	2.6	7
27	A protocol to reduce self-reported pain scores and adverse events following lumbar punctures in older adults. <i>Journal of Neurology</i> , 2020, 267, 2002-2006.	3.6	13
28	Response to "Correlation between bispectral index and age-adjusted minimal alveolar concentration" (Br J Anaesth 2020; 124:e8). <i>British Journal of Anaesthesia</i> , 2020, 124, e38-e39.	3.4	0
29	Neurovascular and immune mechanisms that regulate postoperative delirium superimposed on dementia. <i>Alzheimer's and Dementia</i> , 2020, 16, 734-749.	0.8	73
30	Postoperative Neurocognitive Disorders in the Geriatric Patient. , 2020, , 105-107.		0
31	A Plague on Both Your Monitors! Are Bispectral Index and Cerebral Oximetry Useful for Reducing Postoperative Cognitive Impairment?. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020, 34, 1182-1183.	1.3	1
32	Necessary Heroes and Ethos, from Fighting Nazis to COVID-19. <i>Anesthesiology</i> , 2020, 133, 1307-1310.	2.5	1
33	Paradox of age: older patients receive higher age-adjusted minimum alveolar concentration fractions of volatile anaesthetics yet display higher bispectral index values. <i>British Journal of Anaesthesia</i> , 2019, 123, 288-297.	3.4	59
34	3111 Heart Rate Variability as a Predictor of Post-Operative Cognitive Dysfunction in Older Adults. <i>Journal of Clinical and Translational Science</i> , 2019, 3, 46-46.	0.6	0
35	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.	3.4	134
36	The INTUIT Study: Investigating Neuroinflammation Underlying Postoperative Cognitive Dysfunction. <i>Journal of the American Geriatrics Society</i> , 2019, 67, 794-798.	2.6	43

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37	Biomarkers of Postoperative Cognitive Dysfunction: Finding the Signal amid the Noise. , 2019, , 134-151.		0
38	Flow Cytometry Characterization of Cerebrospinal Fluid Monocytes in Patients With Postoperative Cognitive Dysfunction: A Pilot Study. Anesthesia and Analgesia, 2019, 129, e150-e154.	2.2	21
39	In Response. Anesthesia and Analgesia, 2019, 129, e112-e113.	2.2	0
40	Intravenous Lidocaine Does Not Improve Neurologic Outcomes after Cardiac Surgery. Anesthesiology, 2019, 130, 958-970.	2.5	24
41	Workshop on Synergies Between Alzheimer's Research and Clinical Gerontology and Geriatrics: Current Status and Future Directions. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 1229-1237.	3.6	5
42	Neurocognitive Function after Cardiac Surgery. Anesthesiology, 2018, 129, 829-851.	2.5	157
43	<sup>18</sup> F-florbetapir Positron Emission Tomography-determined Cerebral $\beta$ -Amyloid Deposition and Neurocognitive Performance after Cardiac Surgery. Anesthesiology, 2018, 128, 728-744.	2.5	28
44	Task-related changes in degree centrality and local coherence of the posterior cingulate cortex after major cardiac surgery in older adults. Human Brain Mapping, 2018, 39, 985-1003.	3.6	22
45	Geriatric Anesthesia: Age-Dependent Changes in the Central and Peripheral Nervous Systems. , 2018, , 145-160.		0
46	P3-592: RISK OF DEVELOPING DEMENTIA AMONG OLDER ADULTS UNDERGOING ELECTIVE SURGICAL PROCEDURES WITH GENERAL ANESTHESIA WHEN COMPARED TO REGIONAL ANESTHESIA. Alzheimer's and Dementia, 2018, 14, P1353.	0.8	0
47	F3-01-01: POSTOPERATIVE CHANGES IN CSF BIOMARKERS AND RESTING-STATE FUNCTIONAL NEUROIMAGING SIGNAL CHARACTERISTICS. Alzheimer's and Dementia, 2018, 14, P995.	0.8	0
48	Best Practices for Postoperative Brain Health. Anesthesia and Analgesia, 2018, 127, 1406-1413.	2.2	183
49	Recommendations for the nomenclature of cognitive change associated with anaesthesia and surgery"2018. Acta Anaesthesiologica Scandinavica, 2018, 62, 1473-1480.	1.6	19
50	Postoperative Delirium and Postoperative Cognitive Dysfunction. Anesthesiology, 2018, 129, 389-391.	2.5	30
51	Recommendations for the nomenclature of cognitive change associated with anaesthesia and surgery"2018. British Journal of Anaesthesia, 2018, 121, 1005-1012.	3.4	420
52	Resting-State Functional Connectivity and Cognition After Major Cardiac Surgery in Older Adults without Preoperative Cognitive Impairment: Preliminary Findings. Journal of the American Geriatrics Society, 2017, 65, e6-e12.	2.6	63
53	The Effect of Propofol vs. Isoflurane Anesthesia on Postoperative Changes in Cerebrospinal Fluid Cytokine Levels: Results from a Randomized Trial. Frontiers in Immunology, 2017, 8, 1528.	4.8	32
54	Intraoperative Frontal Alpha-Band Power Correlates with Preoperative Neurocognitive Function in Older Adults. Frontiers in Systems Neuroscience, 2017, 11, 24.	2.5	97

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55	Anesthetic Suppression of Thalamic High-Frequency Oscillations. <i>Anesthesia and Analgesia</i> , 2016, 122, 1737-1739.	2.2	3
56	The Effect of Propofol Versus Isoflurane Anesthesia on Human Cerebrospinal Fluid Markers of Alzheimer's Disease: Results of a Randomized Trial. <i>Journal of Alzheimer's Disease</i> , 2016, 52, 1299-1310.	2.6	49
57	Effect of intravenous lidocaine on the transcerebral inflammatory response during cardiac surgery: a randomized-controlled trial. <i>Canadian Journal of Anaesthesia</i> , 2016, 63, 1223-1232.	1.6	18
58	Intraoperative Glycemic Control to Prevent Delirium after Cardiac Surgery. <i>Anesthesiology</i> , 2015, 122, 1186-1188.	2.5	13
59	Delirium and Obstructive Sleep Apnea: Exploring the Molecular Link. <i>Current Anesthesiology Reports</i> , 2015, 5, 41-47.	2.0	0
60	G $\beta$ -coupled receptor signaling restricts pancreatic $\beta$ -cell expansion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2888-2893.	7.1	65
61	Postoperative Cognitive Dysfunction. <i>Anesthesiology Clinics</i> , 2015, 33, 517-550.	1.4	215
62	General anesthetic and the risk of dementia in elderly patients: current insights. <i>Clinical Interventions in Aging</i> , 2014, 9, 1619.	2.9	67
63	Volatile Anesthetic Sedation During Therapeutic Hypothermia After Cardiac Arrest in the ICU. <i>Critical Care Medicine</i> , 2014, 42, 494-495.	0.9	6
64	Preventing Delirium After Cardiothoracic Surgery. <i>Anesthesia and Analgesia</i> , 2014, 118, 706-707.	2.2	9
65	A novel application for bolus remifentanyl: blunting the hemodynamic response to Mayfield skull clamp placement. <i>Current Medical Research and Opinion</i> , 2014, 30, 243-250.	1.9	4
66	Neurological complications of cardiac surgery. <i>Lancet Neurology</i> , The, 2014, 13, 490-502.	10.2	76
67	Alzheimer's Disease, Anesthesia, and Surgery: A Clinically Focused Review. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2014, 28, 1609-1623.	1.3	39
68	Anesthetic Neuroprotection: Antecedents and An Appraisal of Preclinical and Clinical Data Quality. <i>Current Pharmaceutical Design</i> , 2014, 20, 5751-5765.	1.9	21
69	Intraoperative Magnesium Administration Does Not Improve Neurocognitive Function After Cardiac Surgery. <i>Stroke</i> , 2013, 44, 3407-3413.	2.0	54
70	Precise pattern of recombination in serotonergic and hypothalamic neurons in a Pdx1-cre transgenic mouse line. <i>Journal of Biomedical Science</i> , 2010, 17, 82.	7.0	22
71	The Expanded Biology of Serotonin. <i>Annual Review of Medicine</i> , 2009, 60, 355-366.	12.2	1,451
72	Molecular Determinants in the Second Intracellular Loop of the 5-Hydroxytryptamine-1A Receptor for G-Protein Coupling. <i>Molecular Pharmacology</i> , 2006, 69, 1518-1526.	2.3	28

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73	Different G(i)-coupled chemoattractant receptors signal qualitatively different functions in human neutrophils. <i>Journal of Leukocyte Biology</i> , 2002, 71, 798-806.	3.3	26