

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	The Expanded Biology of Serotonin. Annual Review of Medicine, 2009, 60, 355-366.	12.2	1,451
2	Recommendations for the nomenclature of cognitive change associated with anaesthesia and surgeryâ€™2018. British Journal of Anaesthesia, 2018, 121, 1005-1012.	3.4	420
3	Postoperative Cognitive Dysfunction. Anesthesiology Clinics, 2015, 33, 517-550.	1.4	215
4	Best Practices for Postoperative Brain Health. Anesthesia and Analgesia, 2018, 127, 1406-1413.	2.2	183
5	Neurocognitive Function after Cardiac Surgery. Anesthesiology, 2018, 129, 829-851.	2.5	157
6	State of the clinical science of perioperative brain health: report from the American Society of Anesthesiologists Brain Health Initiative Summit 2018. British Journal of Anaesthesia, 2019, 123, 464-478.	3.4	134
7	Intraoperative Frontal Alpha-Band Power Correlates with Preoperative Neurocognitive Function in Older Adults. Frontiers in Systems Neuroscience, 2017, 11, 24.	2.5	97
8	Neurological complications of cardiac surgery. Lancet Neurology, The, 2014, 13, 490-502.	10.2	76
9	Neurovascular and immune mechanisms that regulate postoperative delirium superimposed on dementia. Alzheimer's and Dementia, 2020, 16, 734-749.	0.8	73
10	General anesthetic and the risk of dementia in elderly patients: current insights. Clinical Interventions in Aging, 2014, 9, 1619.	2.9	67
11	C ₁ ± _{i/o} -coupled receptor signaling restricts pancreatic Î²-cell expansion. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2888-2893.	7.1	65
12	Restingâ€™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
13	Paradox of age: older patients receive higher age-adjusted minimum alveolar concentration fractions of volatile anaesthetics yet display higher bispectral index values. British Journal of Anaesthesia, 2019, 123, 288-297.	3.4	59
14	Intraoperative Magnesium Administration Does Not Improve Neurocognitive Function After Cardiac Surgery. Stroke, 2013, 44, 3407-3413.	2.0	54
15	The Effect of Propofol Versus Isoflurane Anesthesia on Human Cerebrospinal Fluid Markers of Alzheimerâ€™s Disease: Results of a Randomized Trial. Journal of Alzheimer's Disease, 2016, 52, 1299-1310.	2.6	49
16	The INTUIT Study: Investigating Neuroinflammation Underlying Postoperative Cognitive Dysfunction. Journal of the American Geriatrics Society, 2019, 67, 794-798.	2.6	43
17	Alzheimerâ€™s Disease, Anesthesia, and Surgery: A Clinically Focused Review. Journal of Cardiothoracic and Vascular Anesthesia, 2014, 28, 1609-1623.	1.3	39
18	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

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19	Postoperative Delirium and Postoperative Cognitive Dysfunction. <i>Anesthesiology</i> , 2018, 129, 389-391.	2.5	30
20	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
21	¹⁸ F-florbetapir Positron Emission Tomography-determined Cerebral β -Amyloid Deposition and Neurocognitive Performance after Cardiac Surgery. <i>Anesthesiology</i> , 2018, 128, 728-744.	2.5	28
22	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
23	Geriatric Preoperative Optimization: A Review. <i>American Journal of Medicine</i> , 2022, 135, 39-48.	1.5	25
24	Intravenous Lidocaine Does Not Improve Neurologic Outcomes after Cardiac Surgery. <i>Anesthesiology</i> , 2019, 130, 958-970.	2.5	24
25	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
26	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
27	Task-related changes in degree centrality and local coherence of the posterior cingulate cortex after major cardiac surgery in older adults. <i>Human Brain Mapping</i> , 2018, 39, 985-1003.	3.6	22
28	Flow Cytometry Characterization of Cerebrospinal Fluid Monocytes in Patients With Postoperative Cognitive Dysfunction: A Pilot Study. <i>Anesthesia and Analgesia</i> , 2019, 129, e150-e154.	2.2	21
29	Anesthetic Neuroprotection: Antecedents and An Appraisal of Preclinical and Clinical Data Quality. <i>Current Pharmaceutical Design</i> , 2014, 20, 5751-5765.	1.9	21
30	Recommendations for the nomenclature of cognitive change associated with anaesthesia and surgery-2018. <i>Acta Anaesthesiologica Scandinavica</i> , 2018, 62, 1473-1480.	1.6	19
31	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
32	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
33	Electroencephalogram-Based Complexity Measures as Predictors of Post-operative Neurocognitive Dysfunction. <i>Frontiers in Systems Neuroscience</i> , 2021, 15, 718769.	2.5	18
34	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
35	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
36	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

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37	Intraoperative Glycemic Control to Prevent Delirium after Cardiac Surgery. <i>Anesthesiology</i> , 2015, 122, 1186-1188.	2.5	13
38	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
39	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
40	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
41	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
42	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
43	APOE4 Copy Number-Dependent Proteomic Changes in the Cerebrospinal Fluid1. <i>Journal of Alzheimer's Disease</i> , 2021, 79, 511-530.	2.6	11
44	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
45	Preventing Delirium After Cardiothoracic Surgery. <i>Anesthesia and Analgesia</i> , 2014, 118, 706-707.	2.2	9
46	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
47	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
48	A New Severity Scoring Scale for the 3-Minute Confusion Assessment Method (<sc>3D&CAM</sc>). <i>Journal of the American Geriatrics Society</i> , 2020, 68, 1874-1876.	2.6	7
49	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
50	Volatile Anesthetic Sedation During Therapeutic Hypothermia After Cardiac Arrest in the ICU. <i>Critical Care Medicine</i> , 2014, 42, 494-495.	0.9	6
51	Workshop on Synergies Between Alzheimer's Research and Clinical Gerontology and Geriatrics: Current Status and Future Directions. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 1229-1237.	3.6	5
52	Immunomodulatory lipid mediator profiling of cerebrospinal fluid following surgery in older adults. <i>Scientific Reports</i> , 2021, 11, 3047.	3.3	5
53	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
54	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

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55	Racial and Ethnic Disparities in Access to Local Anesthesia for Inguinal Hernia Repair. Journal of Surgical Research, 2021, 266, 366-372.	1.6	4
56	Anesthetic Suppression of Thalamic High-Frequency Oscillations. Anesthesia and Analgesia, 2016, 122, 1737-1739.	2.2	3
57	Local Anesthesia is Associated with Fewer Complications in Umbilical Hernia Repair in Frail Veterans. Journal of Surgical Research, 2021, 266, 88-95.	1.6	3
58	A Plague on Both Your Monitors! Are Bispectral Index and Cerebral Oximetry Useful for Reducing Postoperative Cognitive Impairment?. Journal of Cardiothoracic and Vascular Anesthesia, 2020, 34, 1182-1183.	1.3	1
59	Necessary Heroes and Ethos, from Fighting Nazis to COVID-19. Anesthesiology, 2020, 133, 1307-1310.	2.5	1
60	Regional vs General Anesthesia and Incidence of Postoperative Delirium in Older Patients Undergoing Hip Fracture Surgery. JAMA - Journal of the American Medical Association, 2022, 327, 1707.	7.4	1
61	Delirium and Obstructive Sleep Apnea: Exploring the Molecular Link. Current Anesthesiology Reports, 2015, 5, 41-47.	2.0	0
62	Geriatric Anesthesia: Age-Dependent Changes in the Central and Peripheral Nervous Systems. , 2018, , 145-160.		0
63	P3â€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
64	F3â€01â€01: POSTOPERATIVE CHANGES IN CSF BIOMARKERS AND RESTINGâ€STATE FUNCTIONAL NEUROIMAGING SIGNAL CHARACTERISTICS. Alzheimer's and Dementia, 2018, 14, P995.	0.8	0
65	3111 Heart Rate Variability as a Predictor of Post-Operative Cognitive Dysfunction in Older Adults. Journal of Clinical and Translational Science, 2019, 3, 46-46.	0.6	0
66	Biomarkers of Postoperative Cognitive Dysfunction: Finding the Signal amid the Noise. , 2019, , 134-151.		0
67	In Response. Anesthesia and Analgesia, 2019, 129, e112-e113.	2.2	0
68	Local Anesthesia Can Reduce Complications in Adults Undergoing Umbilical Hernia Repair. Journal of the American College of Surgeons, 2020, 231, S100-S101.	0.5	0
69	Response to â€Correlation between bispectral index and age-adjusted minimal alveolar concentrationâ€™ (Br J Anaesth 2020; 124:e8). British Journal of Anaesthesia, 2020, 124, e38-e39.	3.4	0
70	Risk of Spinal Hematoma After Lumbar Puncture. JAMA - Journal of the American Medical Association, 2021, 325, 787.	7.4	0
71	Goldilocks and propofol dosage in older adults: Too much, too little, or just right?. Journal of the American Geriatrics Society, 2021, 69, 2106-2109.	2.6	0
72	Postoperative Cognitive Dysfunction and Delirium. , 2022, , 613-627.		0

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73	Postoperative Neurocognitive Disorders in the Geriatric Patient. , 2020, , 105-107.		0