

# Lei Gao, Mbbs

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7887490/publications.pdf>

Version: 2024-02-01

40  
papers

1,027  
citations

623188

14  
h-index

454577

30  
g-index

41  
all docs

41  
docs citations

41  
times ranked

959  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Artificial Intelligence in Anesthesiology. <i>Anesthesiology</i> , 2020, 132, 379-394.  | 1.3 | 237       |
| 2  | A Comparison of Propofol- and Dexmedetomidine-induced Electroencephalogram Dynamics Using Spectral and Coherence Analysis. <i>Anesthesiology</i> , 2014, 121, 978-989.  | 1.3 | 138       |
| 3  | Dexmedetomidine promotes biomimetic non-rapid eye movement stage 3 sleep in humans: A pilot study. <i>Clinical Neurophysiology</i> , 2018, 129, 69-78.  | 0.7 | 85        |
| 4  | Circadian disturbances in Alzheimer's disease progression: a prospective observational cohort study of community-based older adults. <i>The Lancet Healthy Longevity</i> , 2020, 1, e96-e105.   | 2.0 | 77        |
| 5  | Dexmedetomidine Disrupts the Local and Global Efficiencies of Large-scale Brain Networks. <i>Anesthesiology</i> , 2017, 126, 419-430.   | 1.3 | 73        |
| 6  | Sleep, Pain, and Cognition: Modifiable Targets for Optimal Perioperative Brain Health. <i>Anesthesiology</i> , 2021, 135, 1132-1152.  | 1.3 | 45        |
| 7  | Daytime napping and Alzheimer's dementia: A potential bidirectional relationship. <i>Alzheimer's and Dementia</i> , 2023, 19, 158-168.  | 0.4 | 37        |
| 8  | Cerebrovascular Signal Complexity Six Hours after Intensive Care Unit Admission Correlates with Outcome after Severe Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2016, 33, 2011-2018.   | 1.7 | 33        |
| 9  | More random motor activity fluctuations predict incident frailty, disability, and mortality. <i>Science Translational Medicine</i> , 2019, 11, .  | 5.8 | 33        |
| 10 | Early Asymmetric Cardio-Cerebral Causality and Outcome after Severe Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2017, 34, 2743-2752.  | 1.7 | 31        |
| 11 | Lack of Responsiveness during the Onset and Offset of Sevoflurane Anesthesia Is Associated with Decreased Awake-Alpha Oscillation Power. <i>Frontiers in Systems Neuroscience</i> , 2017, 11, 38.   | 1.2 | 31        |
| 12 | Poor sleep behavior burden and risk of COVID-19 mortality and hospitalization. <i>Sleep</i> , 2021, 44, .   | 0.6 | 25        |
| 13 | Association of Poor Sleep Burden in Middle Age and Older Adults With Risk for Delirium During Hospitalization. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 507-516.  | 1.7 | 20        |
| 14 | A Hybrid Multi-Distance Phase and Broadband Spatially Resolved Spectrometer and Algorithm for Resolving Absolute Concentrations of Chromophores in the Near-Infrared Light Spectrum. <i>Advances in Experimental Medicine and Biology</i> , 2010, 662, 169-175. | 0.8 | 20        |
| 15 | A polysomnography study examining the association between sleep and postoperative delirium in older hospitalized cardiac surgical patients. <i>Journal of Sleep Research</i> , 2021, 30, e13322.  | 1.7 | 18        |
| 16 | Nocturnal heart rate variability moderates the association between sleep-wake regularity and mood in young adults. <i>Sleep</i> , 2019, 42, .   | 0.6 | 15        |
| 17 | &lt;p&gt;Fragmentation of Rest/Activity Patterns in Community-Based Elderly Individuals Predicts Incident Heart Failure&lt;/p&gt;. <i>Nature and Science of Sleep</i> , 2020, Volume 12, 299-307.   | 1.4 | 13        |
| 18 | Signal Information Prediction of Mortality Identifies Unique Patient Subsets after Severe Traumatic Brain Injury: A Decision-Tree Analysis Approach. <i>Journal of Neurotrauma</i> , 2020, 37, 1011-1019.   | 1.7 | 12        |

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|----|--|-----|-----------|
| 19 | Fractal motor activity regulation and sex differences in preclinical Alzheimer's disease pathology. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2021, 13, e12211.                        | 1.2 | 12        |
| 20 | Objective Assessment of Daytime Napping and Incident Heart Failure in 1140 Community-Dwelling Older Adults: A Prospective, Observational Cohort Study. <i>Journal of the American Heart Association</i> , 2021, 10, e019037. | 1.6 | 12        |
| 21 | Daytime Sleep Behaviors and Cognitive Performance in Middle- to Older-Aged Adults Living with and without HIV Infection. <i>Nature and Science of Sleep</i> , 2022, Volume 14, 181-191.                                      | 1.4 | 10        |
| 22 | Improving pressure ulcer risk assessment and management using the Waterlow scale at a London teaching hospital. <i>Journal of Wound Care</i> , 2014, 23, 613-622.  | 0.5 | 9         |
| 23 | Resting Heartbeat Complexity Predicts All-Cause and Cardiorespiratory Mortality in Middle-to Older-Aged Adults From the UK Biobank. <i>Journal of the American Heart Association</i> , 2021, 10, e018483.                    | 1.6 | 9         |
| 24 | Effects of Assuming Constant Optical Scattering on Haemoglobin Concentration Measurements Using NIRS during a Valsalva Manoeuvre. <i>Advances in Experimental Medicine and Biology</i> , 2011, 701, 15-20.                   | 0.8 | 8         |
| 25 | Sleep, rest-activity rhythms and aging: a complex web in Alzheimer's disease?. <i>Neurobiology of Aging</i> , 2021, 104, 102-103.  | 1.5 | 7         |
| 26 | Day-to-day associations between sleep characteristics and affect in community dwelling adults. <i>Journal of Sleep Research</i> , 2021, 30, e13297.  | 1.7 | 5         |
| 27 | Heart rate response and recovery during exercise predict future delirium risk? A prospective cohort study in middle- to older-aged adults. <i>Journal of Sport and Health Science</i> , 2021, , .                            | 3.3 | 4         |
| 28 | Sleep disturbance and incident Alzheimer's disease: A UK Biobank study of 502,538 middle-aged to older participants. <i>Alzheimer's and Dementia</i> , 2020, 16, e044575.  | 0.4 | 3         |
| 29 | 0037 Degraded Circadian Regulation Predicts Incident Physical Disability and All-Cause Mortality in Community-Based Older Adults. <i>Sleep</i> , 2019, 42, A15-A15.  | 0.6 | 1         |
| 30 | Daytime napping trajectory over time and its association with cognitive aging: A 13-year community-based longitudinal study of older adults. <i>Alzheimer's and Dementia</i> , 2020, 16, e045248.                            | 0.4 | 1         |
| 31 | 699 Sleep Health Traits and COVID-19: Mortality Risk from the UK Biobank. <i>Sleep</i> , 2021, 44, A273-A273.  | 0.6 | 1         |
| 32 | 547 Earlier-life sleep patterns and risk for delirium in elderly hospitalized patients from a 14-year longitudinal cohort. <i>Sleep</i> , 2021, 44, A215-A216.   | 0.6 | 1         |
| 33 | Sleep and circadian phenotypes: risk factors for COVID-19 severity?. <i>Sleep</i> , 2022, 45, .  | 0.6 | 1         |
| 34 | Lipoma arborescens of the knee. <i>Current Orthopaedic Practice</i> , 2014, 25, 92-94.   | 0.1 | 0         |
| 35 | 0902 Nocturnal Heart Rate Variability Moderates the Association Between Sleep-Wake Regularity and Mood in Young Adults. <i>Sleep</i> , 2019, 42, A362-A363.  | 0.6 | 0         |
| 36 | 0283 Sleep Fragmentation Predicts Risk of Congestive Heart Failure in Community-Based Older Adults. <i>Sleep</i> , 2019, 42, A115-A115.  | 0.6 | 0         |

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|----|---|-----|-----------|
| 37 | Longer and more frequent naps predict incident Alzheimer's dementia in community-based older adults. <i>Alzheimer's and Dementia</i> , 2020, 16, e045269. | 0.4 | 0         |
| 38 | 246 Maintenance of Circadian/Daily Activity Patterns and Cognitive Resilience to Alzheimer's Pathology in Late Life. <i>Sleep</i> , 2021, 44, A99-A100.   | 0.6 | 0         |
| 39 | The Role of Artificial Intelligence in Personalized Anesthesiology and Perioperative Medicine. , 2021, , 351-362.   |     | 0         |
| 40 | 0132 Loss of Neurons in the Intermediate Nucleus is Related to Perturbed Sleep-Wake Rhythms in Older Adults. <i>Sleep</i> , 2022, 45, A59-A59.            | 0.6 | 0         |