

Madhu Mazumdar

List of Publications by Year in descending order

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Version: 2024-02-01

113
papers

4,188
citations

257450

24
h-index

128289

60
g-index

114
all docs

114
docs citations

114
times ranked

9213
citing authors

#	ARTICLE	IF	CITATIONS
1	An inflammatory cytokine signature predicts COVID-19 severity and survival. <i>Nature Medicine</i> , 2020, 26, 1636-1643.	30.7	1,860
2	Tranexamic acid use and postoperative outcomes in patients undergoing total hip or knee arthroplasty in the United States: retrospective analysis of effectiveness and safety. <i>BMJ, The</i> , 2014, 349, g4829-g4829.	6.0	347
3	Effectiveness of Adjuvant Chemotherapy for Locally Advanced Bladder Cancer. <i>Journal of Clinical Oncology</i> , 2016, 34, 825-832.	1.6	158
4	Using Machine Learning to Predict ICU Transfer in Hospitalized COVID-19 Patients. <i>Journal of Clinical Medicine</i> , 2020, 9, 1668.	2.4	146
5	Opioid prescription levels and postoperative outcomes in orthopedic surgery. <i>Pain</i> , 2017, 158, 2422-2430.	4.2	124
6	Impact of total knee replacement practice: cost effectiveness analysis of data from the Osteoarthritis Initiative. <i>BMJ: British Medical Journal</i> , 2017, 356, j1131.	2.3	112
7	The impact of peripheral nerve blocks on perioperative outcome in hip and knee arthroplasty—a population-based study. <i>Pain</i> , 2016, 157, 2341-2349.	4.2	83
8	Effect of Emergency Department and ICU Occupancy on Admission Decisions and Outcomes for Critically Ill Patients*. <i>Critical Care Medicine</i> , 2018, 46, 720-727.	0.9	80
9	Brachytherapy-Based Radiotherapy and Radical Prostatectomy Are Associated With Similar Survival in High-Risk Localized Prostate Cancer. <i>Journal of Clinical Oncology</i> , 2018, 36, 1192-1198.	1.6	80
10	Comparative Effectiveness of Treatment Strategies for Bladder Cancer With Clinical Evidence of Regional Lymph Node Involvement. <i>Journal of Clinical Oncology</i> , 2016, 34, 2627-2635.	1.6	69
11	Immortal Time Bias in Observational Studies of Time-to-Event Outcomes. <i>Cancer Control</i> , 2018, 25, 107327481878935.	1.8	61
12	Risk factors for postoperative delirium in patients undergoing lower extremity joint arthroplasty: a retrospective population-based cohort study. <i>Regional Anesthesia and Pain Medicine</i> , 2019, 44, 934-943.	2.3	46
13	Use of perioperative hydroxyethyl starch 6% and albumin 5% in elective joint arthroplasty and association with adverse outcomes: a retrospective population based analysis. <i>BMJ, The</i> , 2015, 350, h1567-h1567.	6.0	45
14	Development and validation of a machine learning-based prediction model for near-term in-hospital mortality among patients with COVID-19. <i>BMJ Supportive and Palliative Care</i> , 2020, , bmjspcare-2020-002602.	1.6	42
15	Evaluating Academic Scientists Collaborating in Team-Based Research. <i>Academic Medicine</i> , 2015, 90, 1302-1308.	1.6	41
16	Antibiotic prophylaxis and risk of <i>Clostridium difficile</i> infection after coronary artery bypass graft surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 151, 589-597.e2.	0.8	40
17	Impact of an electronic sepsis initiative on antibiotic use and health care facility-onset <i>Clostridium difficile</i> infection rates. <i>American Journal of Infection Control</i> , 2017, 45, 1091-1100.	2.3	39
18	Programmed Death-1 or Programmed Death Ligand-1 Blockade in Patients with Platinum-resistant Metastatic Urothelial Cancer: A Systematic Review and Meta-analysis. <i>European Urology</i> , 2019, 76, 782-789.	1.9	38

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19	MEWS++: Enhancing the Prediction of Clinical Deterioration in Admitted Patients through a Machine Learning Model. <i>Journal of Clinical Medicine</i> , 2020, 9, 343.	2.4	37
20	Impact of Intravenous Acetaminophen on Perioperative Opioid Utilization and Outcomes in Open Colectomies. <i>Anesthesiology</i> , 2018, 129, 77-88.	2.5	32
21	Tumor downstaging as an intermediate endpoint to assess the activity of neoadjuvant systemic therapy in patients with muscle-invasive bladder cancer. <i>Cancer</i> , 2019, 125, 3155-3163.	4.1	32
22	Risk stratification of smoldering multiple myeloma: predictive value of free light chains and group-based trajectory modeling. <i>Blood Advances</i> , 2018, 2, 1470-1479.	5.2	31
23	Comparison of statistical and machine learning models for healthcare cost data: a simulation study motivated by Oncology Care Model (OCM) data. <i>BMC Health Services Research</i> , 2020, 20, 350.	2.2	27
24	Effectiveness of intravenous acetaminophen for postoperative pain management in hip and knee arthroplasties: a population-based study. <i>Regional Anesthesia and Pain Medicine</i> , 2019, 44, 565-572.	2.3	26
25	Administration of tranexamic acid during total shoulder arthroplasty is not associated with increased risk of complications in patients with a history of thrombotic events. <i>Journal of Shoulder and Elbow Surgery</i> , 2021, 30, 104-112.	2.6	23
26	Best Practices for Biostatistical Consultation and Collaboration in Academic Health Centers. <i>American Statistician</i> , 2016, 70, 187-194.	1.6	22
27	The Impact of Dementia on Cancer Treatment Decision-Making, Cancer Treatment, and Mortality: A Mixed Studies Review. <i>JNCI Cancer Spectrum</i> , 2021, 5, pkab002.	2.9	22
28	High-Risk Medications in Hospitalized Elderly Adults: Are We Making It Easy to Do the Wrong Thing?. <i>Journal of the American Geriatrics Society</i> , 2017, 65, 603-607.	2.6	21
29	Intravenous Acetaminophen Does Not Reduce Inpatient Opioid Prescription or Opioid-Related Adverse Events Among Patients Undergoing Spine Surgery. <i>Anesthesia and Analgesia</i> , 2018, 127, 1221-1228.	2.2	21
30	Change in Off-Label Use of Bone Morphogenetic Protein in Spine Surgery and Associations with Adverse Outcome. <i>Global Spine Journal</i> , 2016, 6, 650-659.	2.3	20
31	Postmastectomy Radiation in Breast Cancer Patients With Pathologically Positive Lymph Nodes After Neoadjuvant Chemotherapy: Usage Rates and Survival Trends. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 99, 549-559.	0.8	19
32	Association of opioid prescription and perioperative complications in obstructive sleep apnea patients undergoing total joint arthroplasties. <i>Sleep and Breathing</i> , 2018, 22, 115-121.	1.7	18
33	Impact of pre-transplant carbapenem-resistant <i>Enterobacteriales</i> colonization and/or infection on solid organ transplant outcomes. <i>Clinical Transplantation</i> , 2021, 35, e14239.	1.6	17
34	“Lose the Tube”: A Choosing Wisely initiative to reduce catheter-associated urinary tract infections in hospitalist-led inpatient units. <i>American Journal of Infection Control</i> , 2017, 45, 333-335.	2.3	16
35	Three Statistical Approaches for Assessment of Intervention Effects: A Primer for Practitioners. <i>Risk Management and Healthcare Policy</i> , 2021, Volume 14, 757-770.	2.5	16
36	Strategies for Success: Early-Stage Collaborating Biostatistics Faculty in an Academic Health Center. <i>American Statistician</i> , 2017, 71, 220-230.	1.6	15

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37	Predictors of Positive Margins After Definitive Resection for Gastric Adenocarcinoma and Impact of Adjuvant Therapies. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 98, 1106-1115.	0.8	14
38	Impact of correlation of predictors on discrimination of risk models in development and external populations. <i>BMC Medical Research Methodology</i> , 2017, 17, 63.	3.1	14
39	Early Mortality in Patients With Muscle-Invasive Bladder Cancer Undergoing Cystectomy in the United States. <i>JNCI Cancer Spectrum</i> , 2018, 2, pky075.	2.9	14
40	The impact of pathologic response to neoadjuvant chemotherapy on conditional survival among patients with muscle-invasive bladder cancer. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2019, 37, 572.e21-572.e28.	1.6	14
41	Factors associated with mammography use: A side-by-side comparison of results from two national surveys. <i>Cancer Medicine</i> , 2020, 9, 6430-6451.	2.8	14
42	Effect of Clinical Decision Support on Appropriateness of Advanced Imaging Use Among Physicians-in-Training. <i>American Journal of Roentgenology</i> , 2019, 212, 859-866.	2.2	13
43	Anesthesia type and perioperative outcome: open colectomies in the United States. <i>Journal of Surgical Research</i> , 2015, 193, 684-692.	1.6	12
44	Annual Physical Examinations and Wellness Visits: Translating Guidelines into Practice. <i>American Journal of Preventive Medicine</i> , 2017, 52, 813-816.	3.0	12
45	Cost-Effectiveness Analysis of Selective Internal Radiotherapy With Yttrium-90 Versus Sorafenib in Locally Advanced Hepatocellular Carcinoma. <i>JCO Oncology Practice</i> , 2021, 17, e266-e277.	2.9	12
46	Tales From the Wild West of US Drug Pricing. <i>Regional Anesthesia and Pain Medicine</i> , 2015, 40, 284-286.	2.3	11
47	Peripheral nerve block use in inpatient and outpatient shoulder arthroplasty: a population-based study evaluating utilization and outcomes. <i>Regional Anesthesia and Pain Medicine</i> , 2020, 45, 818-825.	2.3	11
48	The choice of prior distribution for a covariance matrix in multivariate meta-analysis: a simulation study. <i>Statistics in Medicine</i> , 2015, 34, 4083-4104.	1.6	10
49	Examining the role of healthcare access in racial/ethnic disparities in receipt of provider-patient discussions about smoking: A latent class analysis. <i>Preventive Medicine</i> , 2021, 148, 106584.	3.4	10
50	Discharge Against Medical Advice of Elderly Inpatients in the United States. <i>Journal of the American Geriatrics Society</i> , 2017, 65, 2094-2099.	2.6	9
51	Web-Based Tool to Facilitate Shared Decision Making With Regard to Neoadjuvant Chemotherapy Use in Muscle-Invasive Bladder Cancer. <i>JCO Clinical Cancer Informatics</i> , 2017, 1, 1-12.	2.1	9
52	Can an Emergency Department Observation Unit Reduce Hospital Admissions for COPD Exacerbation?. <i>Lung</i> , 2018, 196, 267-270.	3.3	9
53	Cannabinoid use in psychotic patients impacts inflammatory levels and their association with psychosis severity. <i>Psychiatry Research</i> , 2020, 293, 113380.	3.3	9
54	MUST-Plus: A Machine Learning Classifier That Improves Malnutrition Screening in Acute Care Facilities. <i>Journal of the American College of Nutrition</i> , 2021, 40, 3-12.	1.8	9

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55	Statistics in Brief: Instrumental Variable Analysis: An Underutilized Method in Orthopaedic Research. <i>Clinical Orthopaedics and Related Research</i> , 2019, 477, 1750-1755.	1.5	8
56	A Multi-Phase Quality Improvement Initiative for the Treatment of Active Delirium in Older Persons. <i>Journal of the American Geriatrics Society</i> , 2021, 69, 216-224.	2.6	8
57	Altered K-complex morphology during sustained inspiratory airflow limitation is associated with next-day lapses in vigilance in obstructive sleep apnea. <i>Sleep</i> , 2021, 44, .	1.1	8
58	Patient Safety and Comparative Effectiveness of Anesthetic Technique in Open Lung Resections. <i>Chest</i> , 2015, 148, 722-730.	0.8	7
59	Stage-matched survival differences by ethnicity among gastric cancer patients of Asian ancestry treated in the United States. <i>Journal of Surgical Oncology</i> , 2019, 119, 737-748.	1.7	7
60	Telemedicine Utilization in the Ambulatory Palliative Care Setting: Are There Disparities?. <i>Journal of Pain and Symptom Management</i> , 2022, 63, 423-429.	1.2	7
61	Racial and Ethnical Diversity Within the Neurosurgery Resident and Faculty Workforce in the United States. <i>Neurosurgery</i> , 2022, 91, 72-79.	1.1	7
62	Using the Taxonomy: A Standard Vocabulary of Chaplain Activities. <i>Journal of Health Care Chaplaincy</i> , 2021, 27, 43-64.	1.1	6
63	Determinants of Total End-of-Life Health Care Costs of Medicare Beneficiaries: A Quantile Regression Forests Analysis. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 1065-1071.	3.6	6
64	Trends in neoadjuvant chemotherapy versus surgery-first in stage I HER2-positive breast cancer patients in the National Cancer DataBase (NCDB). <i>Breast Cancer Research and Treatment</i> , 2021, 187, 177-185.	2.5	6
65	Ten Essential Practices for Developing or Reforming a Biostatistics Core for a NCI Designated Cancer Center. <i>JNCI Cancer Spectrum</i> , 2018, 2, pky010.	2.9	5
66	Effectiveness of intravenous acetaminophen for postoperative pain management in shoulder arthroplasties: A population-based study. <i>Journal of Orthopaedic Translation</i> , 2019, 18, 119-127.	3.9	5
67	A nationally representative study on discharge against medical advice among those living with epilepsy. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2021, 84, 84-90.	2.0	5
68	Post-anticoagulant D-dimer is a highly prognostic biomarker of COVID-19 mortality. <i>ERJ Open Research</i> , 2021, 7, 00018-2021.	2.6	5
69	Factors associated with the receipt and completion of whole brain radiation therapy among older adults in the United States from 2010-2013. <i>Journal of Geriatric Oncology</i> , 2020, 11, 1096-1102.	1.0	4
70	Derivation and validation of a novel comorbidity-based delirium risk index to predict postoperative delirium using national administrative healthcare database. <i>Health Services Research</i> , 2021, 56, 154-165.	2.0	4
71	Differential Perioperative Outcomes in Patients With Obstructive Sleep Apnea, Obesity, or a Combination of Both Undergoing Open Colectomy: A Population-Based Observational Study. <i>Anesthesia and Analgesia</i> , 2021, 133, 755-764.	2.2	4
72	Generating Knowledge from Best Care: Advancing the Continuously Learning Health System. <i>NAM Perspectives</i> , 2016, 6, .	2.9	4

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73	The impact of radiation treatment planning technique on unplanned hospital admissions. <i>Advances in Radiation Oncology</i> , 2018, 3, 647-654.	1.2	3
74	Impact of obstructive sleep apnea on perioperative complications among patients undergoing hysterectomy: a population-based analysis. <i>Sleep Medicine</i> , 2019, 56, 117-122.	1.6	3
75	Estimating cost implications of potentially avoidable hospitalizations among oncology care model patients with prostate cancer. <i>Journal of Cancer Policy</i> , 2020, 23, 100218.	1.4	3
76	The co-occurrence of dementia in those with epilepsy is associated with 30-day readmission – A population-based study. <i>Epilepsy and Behavior</i> , 2021, 122, 108126.	1.7	3
77	Identifying high surgical risk in muscle-invasive bladder cancer (MIBC) patients undergoing radical cystectomy (RC).. <i>Journal of Clinical Oncology</i> , 2018, 36, 460-460.	1.6	3
78	Follow-up Soon After Discharge May Not Reduce COPD Readmissions. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla)</i> , 2019, 6, 129-131.	0.7	3
79	Impact of Increasing Comorbidity Burden on Resource Utilization in Patients With Proximal Humerus Fractures. <i>Journal of the American Academy of Orthopaedic Surgeons, The</i> , 2020, 28, e954-e961.	2.5	3
80	Economic impact of Comorbidities in Total Ankle Arthroplasty and Ankle Arthrodesis. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2021, , 103133.	2.0	3
81	Perioperative Management in Hepatic Resections: Comparative Effectiveness of Neuraxial Anesthesia and Disparity of Care Patterns. <i>Anesthesia and Analgesia</i> , 2018, 127, 855-863.	2.2	2
82	Bedside medication delivery programs: suggestions for systematic evaluation and reporting. <i>International Journal for Quality in Health Care</i> , 2019, 31, G53-G59.	1.8	2
83	Reply to Marieke J. Krimphove, Junaid Nabi, Alexander P. Cole, and Quoc-Dien Trinh's Letter to the Editor re: Ronald D. Ennis, Liangyuan Hu, Shannon N. Ryemon, Joyce Lin, Madhu Mazumdar. Brachytherapy-based Radiotherapy and Radical Prostatectomy Are Associated with Similar Survival in High-risk Localized Prostate Cancer. <i>J Clin Oncol</i> 2018;36:1192-1198. <i>European Urology Oncology</i> , 2019, 2, 226-227.	5.4	2
84	Readmission after neurosurgical intervention in epilepsy: A nationwide cohort analysis. <i>Epilepsia</i> , 2020, 61, 61-69.	5.1	2
85	Hospital-Specific Total Joint Arthroplasty Casemix and Patient Flows in the Era of Payment Reform: Impact on Resource Utilization Among New York State Hospitals. <i>Journal of Arthroplasty</i> , 2020, 35, S73-S78.	3.1	2
86	Developing an Institute for Health Care Delivery Science: successes, challenges, and solutions in the first five years. <i>Health Care Management Science</i> , 2021, 24, 234-243.	2.6	2
87	Postpartum psychiatric readmissions: A nationwide study in women with and without epilepsy. <i>Epilepsia</i> , 2021, 62, 1148-1157.	5.1	2
88	Peripheral nerve block use in ankle arthroplasty and ankle arthrodesis: utilization patterns and impact on outcomes. <i>Journal of Anesthesia</i> , 2021, 35, 879-888.	1.7	2
89	Statistical advising: Professional development opportunities for the biostatistician. <i>Statistics in Medicine</i> , 2022, 41, 847-859.	1.6	2
90	Trends in Sepsis Incidence and Outcome: Potential Implications of Mismatch Between Administrative Versus True Incidence. <i>Open Forum Infectious Diseases</i> , 2016, 3, .	0.9	1

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91	Risk of readmission for injury in patients with epilepsy in the United States â€“ A population-based study. <i>Epilepsy and Behavior</i> , 2020, 102, 106651.	1.7	1
92	A Cross-sectional Study of Hospital Performance on ICU Utilization Practices for Patients with Chronic Obstructive Pulmonary Disease. <i>Lung</i> , 2020, 198, 637-644.	3.3	1
93	The Influence of Increasing Levels of Provider-Patient Discussion on Quit Behavior: An Instrumental Variable Analysis of a National Survey. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4593.	2.6	1
94	Hospital readmissions in older adults with epilepsy in the US â€“ A population-based study. <i>Epilepsy and Behavior</i> , 2021, 122, 108167.	1.7	1
95	Implementing clinical decision support for oncology advanced care planning: A systems engineering framework to optimize the usability and utility of a machine learning predictive model in clinical practice.. <i>Journal of Clinical Oncology</i> , 2021, 39, 330-330.	1.6	1
96	Time trends in cancer and dementia related hospital admissions among Medicare fee-for-service population, 2013â€“2018. <i>Journal of Geriatric Oncology</i> , 2022, , .	1.0	1
97	Innovating in a crisis: a qualitative evaluation of a hospital and Google partnership to implement a COVID-19 inpatient video monitoring program. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 0, , .	4.4	1
98	When practice and policy conflict: blood cultures in community-acquired pneumonia. <i>American Journal of Emergency Medicine</i> , 2015, 33, 1246-1248.	1.6	0
99	Survey among Hospitals on Strategies to Ensure Appropriate Use of Intravenous Acetaminophen. <i>Hospital Pharmacy</i> , 2016, 51, 9-10.	1.0	0
100	Reply to E.M. Ruggeri et al and Y.-W. Hu. <i>Journal of Clinical Oncology</i> , 2016, 34, 3225-3226.	1.6	0
101	Reply. <i>Pain</i> , 2018, 159, 806-807.	4.2	0
102	Nonelective hospital admissions, discharge disposition, and health services utilization in epilepsy patients: A populationâ€“based study. <i>Epilepsia</i> , 2020, 61, 1969-1978.	5.1	0
103	Predictive model for chaplain taxonomy patterns identified through latent class analysis among infants in a pediatric inpatient setting. <i>Journal of Health Care Chaplaincy</i> , 2021, 27, 118-128.	1.1	0
104	Impact of radiotherapy on daily function among older adults living with advanced cancer (RT impact) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.0	0
105	Patient safety and comparative effectiveness of anesthetic technique in lung resections: A population-based analysis.. <i>Journal of Clinical Oncology</i> , 2015, 33, e12612-e12612.	1.6	0
106	Comparative effectiveness of treatment strategies for urothelial cancer of the bladder (UCB) with clinical lymph node involvement (cN+).. <i>Journal of Clinical Oncology</i> , 2016, 34, 4530-4530.	1.6	0
107	Survival after surgical or radiotherapeutic treatment for high-risk localized prostate cancer: A National Cancer Database analysis with comprehensive treatment group imbalances adjustments.. <i>Journal of Clinical Oncology</i> , 2018, 36, 55-55.	1.6	0
108	The impact of neoadjuvant chemotherapy (NAC) on conditional survival (CS) among patients with muscle-invasive bladder cancer (MIBC).. <i>Journal of Clinical Oncology</i> , 2018, 36, 520-520.	1.6	0

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109	Impact of Radiotherapy on Daily Function Among Older Adults Living with Advanced Cancer. <i>Innovation in Aging</i> , 2020, 4, 888-888.	0.1	0
110	0304 Characterizing age and sex-related changes in sleep EEG K-complex morphology in 3,909 individuals. <i>Sleep</i> , 2022, 45, A137-A137.	1.1	0
111	Diversity within the Neurosurgical Oncology Workforce in the United States: A Cross-Sectional Study with Proposed Strategies to Pave the Path Forward. <i>Neuro-Oncology</i> , 0, , .	1.2	0
112	Acceptability of a machine learning-powered clinical decision support system aiding serious illness conversation and its impact on clinical outcomes: A pilot study.. <i>Journal of Clinical Oncology</i> , 2022, 40, 6562-6562.	1.6	0
113	A feasibility study of remote patient monitoring among vulnerable patients with cancer.. <i>Journal of Clinical Oncology</i> , 2022, 40, e13652-e13652.	1.6	0