Daniel I Mcisaac

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6483593/publications.pdf

Version: 2024-02-01

136 papers 3,329 citations

30 h-index 50 g-index

147 all docs

147 docs citations

147 times ranked

3631 citing authors

#	Article	IF	CITATIONS
1	Association of Frailty and 1-Year Postoperative Mortality Following Major Elective Noncardiac Surgery, JAMA Surgery, 2016, 151, 538.	4.3	233
2	Frailty for Perioperative Clinicians: A Narrative Review. Anesthesia and Analgesia, 2020, 130, 1450-1460.	2.2	137
3	Frailty as a Predictor of Death or New Disability After Surgery. Annals of Surgery, 2020, 271, 283-289.	4.2	131
4	The Association of Frailty With Outcomes and Resource Use After Emergency General Surgery: A Population-Based Cohort Study. Anesthesia and Analgesia, 2017, 124, 1653-1661.	2.2	122
5	Accuracy and Feasibility of Clinically Applied Frailty Instruments before Surgery. Anesthesiology, 2020, 133, 78-95.	2.5	122
6	Association of delay of urgent or emergency surgery with mortality and use of health care resources: a propensity score–matched observational cohort study. Cmaj, 2017, 189, E905-E912.	2.0	100
7	Safety and Efficacy of Adult Stem Cell Therapy for Acute Myocardial Infarction and Ischemic Heart Failure (SafeCell Heart): A Systematic Review and Meta-Analysis. Stem Cells Translational Medicine, 2018, 7, 857-866.	3.3	99
8	Identifying Obstructive Sleep Apnea in Administrative Data. Anesthesiology, 2015, 123, 253-263.	2.5	83
9	Prehabilitation in adult patients undergoing surgery: an umbrella review of systematic reviews. British Journal of Anaesthesia, 2022, 128, 244-257.	3.4	83
10	Interventions to improve the outcomes of frail people having surgery: A systematic review. PLoS ONE, 2017, 12, e0190071.	2.5	77
11	The impact of perioperative red blood cell transfusions in patients undergoing liver resection: a systematic review. Hpb, 2017, 19, 321-330.	0.3	70
12	Derivation and Validation of a Generalizable Preoperative Frailty Index Using Population-based Health Administrative Data. Annals of Surgery, 2019, 270, 102-108.	4.2	69
13	Pre-arrest and intra-arrest prognostic factors associated with survival after in-hospital cardiac arrest: systematic review and meta-analysis. BMJ: British Medical Journal, 2019, 367, 16373.	2.3	68
14	Frailty and invasive mechanical ventilation: association with outcomes, extubation failure, and tracheostomy. Intensive Care Medicine, 2019, 45, 1742-1752.	8.2	64
15	Association of frailty with outcomes in individuals with <scp>COVID</scp> â€19: A living review and metaâ€analysis. Journal of the American Geriatrics Society, 2021, 69, 2419-2429.	2.6	64
16	Impact of home care versus alternative locations of care on elder health outcomes: an overview of systematic reviews. BMC Geriatrics, 2017, 17, 20.	2.7	57
17	Frailty and Associated Outcomes and Resource Utilization Among Older ICU Patients With Suspected Infection. Critical Care Medicine, 2019, 47, e669-e676.	0.9	57
18	Elective, Major Noncardiac Surgery on the Weekend. Medical Care, 2014, 52, 557-564.	2.4	56

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19	Association of the Hospital Volume of Frail Surgical Patients Cared for with Outcomes after Elective, Major Noncardiac Surgery. Anesthesiology, 2017, 126, 602-613.	2.5	47
20	Association of Polypharmacy with Survival, Complications, and Healthcare Resource Use after Elective Noncardiac Surgery. Anesthesiology, 2018, 128, 1140-1150.	2.5	44
21	Peripheral Nerve Blockade for Primary Total Knee Arthroplasty. Anesthesiology, 2017, 126, 312-320.	2.5	42
22	Transversus Abdominis Plane Block for Post Hysterectomy Pain: A Systematic Review and Meta-Analysis. Journal of Minimally Invasive Gynecology, 2019, 26, 40-52.	0.6	42
23	Association Between Anesthesiologist Volume and Short-term Outcomes in Complex Gastrointestinal Cancer Surgery, JAMA Surgery, 2021, 156, 479.	4.3	41
24	Validation of new ICD-10-based patient safety indicators for identification of in-hospital complications in surgical patients: a study of diagnostic accuracy. BMJ Quality and Safety, 2020, 29, 209-216.	3.7	39
25	Obstructive Sleep Apnea and Incident Cancer: A Large Retrospective Multicenter Clinical Cohort Study. Cancer Epidemiology Biomarkers and Prevention, 2021, 30, 295-304.	2.5	39
26	PREHAB study: a protocol for a prospective randomised clinical trial of exercise therapy for people living with frailty having cancer surgery. BMJ Open, 2018, 8, e022057.	1.9	38
27	Synthesis and structure of indenyl rhodium(I) complexes containing unsaturated phosphines: catalyst precursors for alkene hydroboration. Dalton Transactions, 2009, , 1624.	3.3	36
28	Frailty and long-term postoperative disability trajectories: a prospective multicentre cohort study. British Journal of Anaesthesia, 2020, 125, 704-711.	3.4	36
29	The Association of Frailty with Outcomes after Cancer Surgery: A Systematic Review and Metaanalysis. Annals of Surgical Oncology, 2022, 29, 4690-4704.	1.5	35
30	Association of Hospital-level Neuraxial Anesthesia Use for Hip Fracture Surgery with Outcomes. Anesthesiology, 2018, 128, 480-491.	2. 5	34
31	Prospective Comparison of Preoperative Predictive Performance Between 3 Leading Frailty Instruments. Anesthesia and Analgesia, 2020, 131, 263-272.	2.2	34
32	Emergency General Surgery in Older Adults. Anesthesiology Clinics, 2019, 37, 493-505.	1.4	31
33	Prognostic association of frailty with post-arrest outcomes following cardiac arrest: A systematic review and meta-analysis. Resuscitation, 2021, 167, 242-250.	3.0	31
34	Home-based prehabilitation with exercise to improve postoperative recovery for older adults with frailty having cancer surgery: the PREHAB randomised clinical trial. British Journal of Anaesthesia, 2022, 129, 41-48.	3.4	31
35	Frailty and associated outcomes and resource utilization following in-hospital cardiac arrest. Resuscitation, 2020, 146, 138-144.	3.0	30
36	Prognostic accuracy of the Hamilton Early Warning Score (HEWS) and the National Early Warning Score 2 (NEWS2) among hospitalized patients assessed by a rapid response team. Critical Care, 2019, 23, 60.	5.8	29

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37	Postoperative outcomes for Indigenous Peoples in Canada: a systematic review. Cmaj, 2021, 193, E713-E722.	2.0	29
38	Barriers to and facilitators of implementing shared decision making and decision support in a paediatric hospital: A descriptive study. Paediatrics and Child Health, 2016, 21, e17-e21.	0.6	28
39	Effect of Preoperative Geriatric Evaluation on Outcomes After Elective Surgery: A Populationâ€Based Study. Journal of the American Geriatrics Society, 2017, 65, 2665-2672.	2.6	27
40	Top ten priorities for anesthesia and perioperative research: a report from the Canadian Anesthesia Research Priority Setting Partnership. Canadian Journal of Anaesthesia, 2020, 67, 641-654.	1.6	27
41	Bulky rhodium diimine complexes for the catalyzed borylation of vinylarenes. Inorganic Chemistry Communication, 2006, 9, 788-791.	3.9	26
42	Peripheral Nerve Blocks for Ambulatory Shoulder Surgery. Anesthesiology, 2019, 131, 1254-1263.	2.5	25
43	A Population-based Comparative Effectiveness Study of Peripheral Nerve Blocks for Hip Fracture Surgery. Anesthesiology, 2019, 131, 1025-1035.	2.5	24
44	Association between neuraxial anaesthesia or general anaesthesia for lower limb revascularisation surgery in adults and clinical outcomes: population based comparative effectiveness study. BMJ, The, 2020, 371, m4104.	6.0	24
45	Intraoperative Red Blood Cell Transfusion Decision-making. Annals of Surgery, 2021, 274, 86-96.	4.2	23
46	A Bayesian Comparison of Frailty Instruments in Noncardiac Surgery: A Cohort Study. Anesthesia and Analgesia, 2021, 133, 366-373.	2.2	22
47	Novel rhodium complexes containing a bulky iminophosphine ligand and their use as catalysts for the hydroboration of vinylarenes. Inorganica Chimica Acta, 2006, 359, 2771-2779.	2.4	21
48	Pediatric tonsillectomy is a resource-intensive procedure: a study of Canadian health administrative data. Canadian Journal of Anaesthesia, 2017, 64, 724-735.	1.6	21
49	Ottawa Criteria for Appropriate Transfusions in Hepatectomy. Annals of Surgery, 2018, 267, 766-774.	4.2	21
50	Personalized perioperative medicine: a scoping review of personalized assessment and communication of risk before surgery. Canadian Journal of Anaesthesia, 2019, 66, 1026-1037.	1.6	21
51	Outcomes of Older Hospitalized Patients Requiring Rapid Response Team Activation for Acute Deterioration. Critical Care Medicine, 2018, 46, 1953-1960.	0.9	19
52	The Association of Frailty With Adverse Outcomes After Multisystem Trauma. Anesthesia and Analgesia, 2020, 130, 1482-1492.	2.2	19
53	Hospital-, Anesthesiologist-, and Patient-level Variation in Primary Anesthesia Type for Hip Fracture Surgery. Anesthesiology, 2018, 129, 1121-1131.	2.5	18
54	Long-term survival and resource use in critically ill cardiac surgery patients: a population-based study. Canadian Journal of Anaesthesia, 2018, 65, 985-995.	1.6	18

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55	Techniques for blood loss estimation in major non-cardiac surgery: a systematic review and meta-analysis. Canadian Journal of Anaesthesia, 2021, 68, 245-255.	1.6	18
56	A Systematic Review and Meta-Analysis of Preoperative Frailty Instruments Derived From Electronic Health Data. Anesthesia and Analgesia, 2021, 133, 1094-1106.	2.2	17
57	Impact of ambulatory surgery day of the week on postoperative outcomes: a population-based cohort study. Canadian Journal of Anaesthesia, 2015, 62, 857-865.	1.6	16
58	Comparative assessment of two frailty instruments for risk-stratification in elderly surgical patients: study protocol for a prospective cohort study. BMC Anesthesiology, 2016, 16, 111.	1.8	16
59	Survival, Quality of Life, and Functional Status Following Prolonged ICU Stay in Cardiac Surgical Patients: A Systematic Review. Critical Care Medicine, 2019, 47, e52-e63.	0.9	16
60	Evaluation of a preoperative personalized risk communication tool: a prospective before-and-after study. Canadian Journal of Anaesthesia, 2020, 67, 1749-1760.	1.6	16
61	Patient prioritization of routine and patient-reported postoperative outcome measures: a prospective, nested cross-sectional study. Canadian Journal of Anaesthesia, 2022, 69, 693-703.	1.6	16
62	How Do Common Comorbidities Modify the Association of Frailty With Survival After Elective Noncardiac Surgery? A Population-Based Cohort Study. Anesthesia and Analgesia, 2019, 129, 1699-1706.	2.2	15
63	Clinical practice guideline: evidence, recommendations and algorithm for the preoperative optimization of anemia, hyperglycemia and smoking. Canadian Journal of Surgery, 2021, 64, E491-E509.	1.2	15
64	Modifiable risk factors for patients undergoing lung cancer surgery and their optimization: a review. Journal of Thoracic Disease, 2018, 10, S3761-S3772.	1.4	14
65	Impact of Anticoagulation on Mortality and Resource Utilization Among Critically Ill Patients With Major Bleeding. Critical Care Medicine, 2020, 48, 515-524.	0.9	14
66	Association of frailty with days alive at home after cardiac surgery: a population-based cohort study. British Journal of Anaesthesia, 2021, 126, 1103-1110.	3.4	14
67	Current practices in perioperative blood management for patients undergoing liver resection: a survey of surgeons and anesthesiologists. Transfusion, 2018, 58, 781-787.	1.6	13
68	Development and evaluation of an evidence-based, theory-grounded online Clinical Frailty Scale tutorial. Age and Ageing, 2022, 51, .	1.6	13
69	Comparison of outcomes and costs between adult diabetic ketoacidosis patients admitted to the ICU and step-down unit. Journal of Critical Care, 2019, 50, 257-261.	2.2	12
70	Complications as a Mediator of the Perioperative Frailty–Mortality Association. Anesthesiology, 2021, 134, 577-587.	2.5	12
71	A Systematic Review and Meta-analysis of Randomized Controlled Trials Comparing Intraoperative Red Blood Cell Transfusion Strategies. Annals of Surgery, 2022, 275, 456-466.	4.2	12
72	Hospital cost associated with anemia in elective colorectal surgery: a historical cohort study. Canadian Journal of Anaesthesia, 2019, 66, 877-885.	1.6	11

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73	A Systematic Review of the Impact of Surgical Special Care Units on Patient Outcomes and Health Care Resource Utilization. Anesthesia and Analgesia, 2019, 128, 533-542.	2.2	11
74	Predicting the need for supportive services after discharged from hospital: a systematic review. BMC Health Services Research, 2020, 20, 161.	2.2	11
75	Long-term Health Outcomes and Health System Costs Associated With Surgical Site Infections. Annals of Surgery, 2021, 273, 917-923.	4.2	11
76	Hospital-, anaesthetist-, and patient-level variation in peripheral nerve block utilisation for hip fracture surgery: a population-based cross-sectional study. British Journal of Anaesthesia, 2022, 128, 198-206.	3.4	11
77	Association between frailty and patient outcomes after cancer surgery: a population-based cohort study. British Journal of Anaesthesia, 2022, 128, 457-464.	3.4	11
78	Venous thromboembolism and transfusion after major abdominopelvic surgery. Surgery, 2019, 166, 1084-1091.	1.9	10
79	Accuracy of presenting symptoms, physical examination, and imaging for diagnosis of ruptured abdominal aortic aneurysm: Systematic review and metaâ€analysis. Academic Emergency Medicine, 2022, 29, 486-496.	1.8	10
80	Predictors of adherence to prescribed exercise programs for older adults with medical or surgical indications for exercise: a systematic review. Systematic Reviews, 2022, 11, 80.	5.3	10
81	Effect of audit and feedback on physicians' intraoperative temperature management and patient outcomes: a three-arm cluster randomized-controlled trial comparing benchmarked and ranked feedback. Canadian Journal of Anaesthesia, 2018, 65, 1196-1209.	1.6	9
82	Outcomes of hospitalized hematologic oncology patients receiving rapid response system activation for acute deterioration. Critical Care, 2019, 23, 286.	5.8	9
83	SURE Test Accuracy for Decisional Conflict Screening among Parents Making Decisions for Their Child. Medical Decision Making, 2019, 39, 1010-1018.	2.4	9
84	Group practice impacts on patients, physicians and healthcare systems: a scoping review. BMJ Open, 2021, 11, e041579.	1.9	9
85	Implementation of the Canadian Cardiovascular Society guidelines for perioperative risk assessment and management: an interrupted time series study. Canadian Journal of Anaesthesia, 2021, 68, 1135-1145.	1.6	9
86	Days alive and at home after hip fracture: a cross-sectional validation of a patient-centred outcome measure using routinely collected data. BMJ Quality and Safety, 2023, 32, 546-556.	3.7	9
87	Risk Factors for Failure to Rescue in Myocardial Infarction after Noncardiac Surgery. Anesthesiology, 2020, 133, 96-108.	2.5	8
88	Polysomnographic Markers of Obstructive Sleep Apnea Severity and Cancer-related Mortality: A Large Retrospective Multicenter Clinical Cohort Study. Annals of the American Thoracic Society, 2022, 19, 807-818.	3.2	8
89	Exposure to Intrapartum Epidural Analgesia and Risk of Autism Spectrum Disorder in Offspring. JAMA Network Open, 2022, 5, e2214273.	5.9	8
90	Anesthesia interventions that alter perioperative mortality: a scoping review. Systematic Reviews, 2018, 7, 218.	5.3	7

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91	Guidelines on the intraoperative transfusion of red blood cells: a protocol for systematic review. BMJ Open, 2019, 9, e029684.	1.9	7
92	Case-Ascertainment Models to Identify Adults with Obstructive Sleep Apnea Using Health Administrative Data: Internal and External Validation. Clinical Epidemiology, 2021, Volume 13, 453-467.	3.0	7
93	Evaluations of postoperative transitions in care for older adults: a scoping review. BMC Geriatrics, 2022, 22, 329.	2.7	7
94	Impact of group practices on patients, physicians and healthcare systems: protocol for a scoping review. BMJ Open, 2018, 8, e022164.	1.9	6
95	The association of female sex with application of evidence-based practice recommendations for perioperative care in hip fracture surgery. Cmaj, 2019, 191, E151-E158.	2.0	6
96	Evaluation of Transfusion Practices in Noncardiac Surgeries at High Risk for Red Blood Cell Transfusion: A Retrospective Cohort Study. Transfusion Medicine Reviews, 2021, 35, 16-21.	2.0	6
97	Development and internal validation of a multivariable risk prediction model for severe rebound pain after foot and ankle surgery involving single-shot popliteal sciatic nerve block. British Journal of Anaesthesia, 2022, 129, 127-135.	3.4	6
98	Logging in: a comparative analysis of electronic health records versus anesthesia resident-driven logbooks. Canadian Journal of Anaesthesia, 2020, 67, 1381-1388.	1.6	5
99	Characteristics of high-cost inpatients with peripheral artery disease. Journal of Vascular Surgery, 2020, 72, 250-258.e8.	1.1	5
100	An Association between Positive Airway Pressure Device Manufacturer and Incident Cancer? A Secondary Data Analysis. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 1484-1488.	5.6	5
101	Postoperative shared-care for patients undergoing non-cardiac surgery: a systematic review and meta-analysis. Canadian Journal of Anaesthesia, 2019, 66, 1095-1105.	1.6	4
102	Association of peripheral nerve blocks with postoperative outcomes in ambulatory shoulder surgery patients: a single-centre matched-cohort study. Canadian Journal of Anaesthesia, 2019, 66, 63-74.	1.6	4
103	Predicting 1-Year Mortality After Cardiac Surgery Complicated by Prolonged Critical Illness: Derivation and Validation of a Population-Based Risk Model. Journal of Cardiothoracic and Vascular Anesthesia, 2020, 34, 2628-2637.	1.3	4
104	On the stated association between labour epidural analgesia and risk of autism spectrum disorder in offspring. Canadian Journal of Anaesthesia, 2021, 68, 428-429.	1.6	4
105	Prophylactic tranexamic acid use in nonâ€cardiac surgeries at high risk for transfusion. Transfusion Medicine, 2021, 31, 236-242.	1.1	4
106	Peripheral Nerve Blocks and Potentially Attributable Adverse Events in Older People with Hip Fracture: A Retrospective Population-based Cohort Study. Anesthesiology, 2021, 135, 454-462.	2.5	4
107	Disability, pain, and wound-specific concerns self-reported by adults at risk of limb loss: A cross-sectional study using the World Health Organization Disability Assessment Schedule 2.0. PLoS ONE, 2021, 16, e0253288.	2.5	4
108	Preoperative Frailty Assessment: An Opportunity to Add Value to Perioperative Care. Anesthesiology, 2022, 136, 255-257.	2.5	4

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109	Variation in prophylactic tranexamic acid administration among anesthesiologists and surgeons in orthopedic surgery: a retrospective cohort study. Canadian Journal of Anaesthesia, 2021, 68, 962-971.	1.6	3
110	Persistent Postoperative Opioid Prescription Fulfillment and Peripheral Nerve Blocks for Ambulatory Shoulder Surgery: A Retrospective Cohort Study. Anesthesiology, 2021, 135, 829-841.	2.5	3
111	Predictors of mortality and cost among surgical patients requiring rapid response team activation. Canadian Journal of Surgery, 2020, 63, E598-E605.	1.2	3
112	Airway recommendations for perioperative patients during the COVID-19 pandemic: a scoping review. Canadian Journal of Anaesthesia, 2022, 69, 644-657.	1.6	3
113	Functional Improvement Trajectories After Surgery (FIT After Surgery) study: protocol for a multicentre prospective cohort study to evaluate significant new disability after major surgery in older adults. BMJ Open, 2022, 12, e062524.	1.9	3
114	Association of obstructive sleep apnea and opioids use on adverse health outcomes: A population study of health administrative data. PLoS ONE, 2022, 17, e0269112.	2.5	3
115	Hospital resource use and costs among abdominal aortic aneurysm repair patients admitted to the intensive care unit. Journal of Vascular Surgery, 2020, 71, 1190-1199.e5.	1.1	2
116	Real-world evaluation of enhanced recovery after surgery: big data under the microscope. British Journal of Anaesthesia, 2020, 124, 510-512.	3.4	2
117	Opioid use and initiation of positive airway pressure treatment in adults referred for sleep disorder assessment: An explanatory population-based study. Canadian Journal of Respiratory, Critical Care, and Sleep Medicine, 2020, 4, 194-204.	0.5	2
118	Structure, processes, and initial outcomes of The Ottawa Hospital Multiâ€Specialist Limbâ€Preservation Clinic and Programme : A uniqueâ€inâ€Canada quality improvement initiative. International Wound Journal, 2021, , .	2.9	2
119	Risk Factors for Surgical Site Infection After Lower Limb Revascularization Surgery in Adults With Peripheral Artery Disease: Protocol for a Systematic Review and Meta-analysis. JMIR Research Protocols, 2021, 10, e28759.	1.0	2
120	Burnout Syndrome Among Anesthesia Providers Working in Public Hospitals in Rwanda: A Cross-Sectional Survey. Anesthesia and Analgesia, 2022, 135, 820-828.	2.2	2
121	Postoperative outcomes for Nunavut Inuit at a Canadian quaternary care centre: a retrospective cohort study. CMAJ Open, 2022, 10, E304-E312.	2.4	2
122	Integration of planetary health in undergraduate and postgraduate medical education: protocol for a scoping review. BMJ Open, 2022, 12, e057207.	1.9	2
123	Protocol for the derivation and external validation of a 30-day mortality risk prediction model for older patients having emergency general surgery (PAUSE score—Probability of mortality Associated) Tj ETQq1 1	01784314	l rgBT /Over
124	A qualitative analysis of patient-reported anticipated benefits of having elective surgery. Canadian Journal of Anaesthesia, 2021, 68, 589-590.	1.6	1
125	Outcomes After Receipt of Neuraxial or Regional Anesthesia Instead of General Anesthesia for Lower Limb Revascularization Surgery: Protocol for a Systematic Review and Meta-analysis. JMIR Research Protocols, 2021, 10, e32170.	1.0	1
126	Shape of the association between preoperative hemoglobin level and postoperative outcomes in patients undergoing primary arthroplasty. Canadian Journal of Surgery, 2022, 65, E25-E37.	1.2	1

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127	Evidence for overuse of cardiovascular healthcare services in high-income countries: protocol for a systematic review and meta-analysis. BMJ Open, 2022, 12, e053920.	1.9	1
128	ASO Visual Abstract: The Association of Frailty with Outcomes After Cancer Surgery—A Systematic Review and Meta-Analysis. Annals of Surgical Oncology, 2022, , 1.	1.5	1
129	In Reply. Anesthesiology, 2016, 124, 1193-1193.	2.5	O
130	In Reply. Anesthesiology, 2017, 127, 719-720.	2.5	0
131	Perioperative Acute Care of Older Patients Living with Frailty. Current Anesthesiology Reports, 2019, 9, 369-379.	2.0	O
132	Can we sooth the subconscious during general anaesthesia?. BMJ, The, 2020, 371, m4547.	6.0	0
133	A survey of self-reported research knowledge in Guyanese, Rwandan, Zambian, and Ethiopian anesthesia residents. Canadian Journal of Anaesthesia, 2020, 67, 1307-1309.	1.6	O
134	Understanding potential barriers and enablers to a perioperative early phase cell therapy trial. Cytotherapy, 2022, , .	0.7	0
135	Video-based interviewing in medicine: a scoping review. Systematic Reviews, 2022, 11, 94.	5.3	O
136	Postoperative Opioid Prescribing: Finding the Balance. Anesthesiology, 2022, 137, 131-133.	2.5	0