

# David L Reich

## List of Publications by Year in descending order

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Version: 2024-02-01

82  
papers

5,736  
citations

304743

22  
h-index

265206

42  
g-index

87  
all docs

87  
docs citations

87  
times ranked

14126  
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	Robust neutralizing antibodies to SARS-CoV-2 infection persist for months. <i>Science</i> , 2020, 370, 1227-1230.	12.6	1,035
3	AKI in Hospitalized Patients with COVID-19. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 151-160.	6.1	500
4	Predictors of Hypotension After Induction of General Anesthesia. <i>Anesthesia and Analgesia</i> , 2005, 101, 622-628.	2.2	435
5	Convalescent plasma treatment of severe COVID-19: a propensity score-matched control study. <i>Nature Medicine</i> , 2020, 26, 1708-1713.	30.7	405
6	Severe Obesity as an Independent Risk Factor for COVID-19 Mortality in Hospitalized Patients Younger than 50. <i>Obesity</i> , 2020, 28, 1595-1599.	3.0	238
7	Intraoperative Tachycardia and Hypertension Are Independently Associated with Adverse Outcome in Noncardiac Surgery of Long Duration. <i>Anesthesia and Analgesia</i> , 2002, 95, 273-277.	2.2	181
8	Machine Learning to Predict Mortality and Critical Events in a Cohort of Patients With COVID-19 in New York City: Model Development and Validation. <i>Journal of Medical Internet Research</i> , 2020, 22, e24018.	4.3	174
9	Humoral response and PCR positivity in patients with COVID-19 in the New York City region, USA: an observational study. <i>Lancet Microbe</i> , The, 2020, 1, e283-e289.	7.3	133
10	Use of Physiological Data From a Wearable Device to Identify SARS-CoV-2 Infection and Symptoms and Predict COVID-19 Diagnosis: Observational Study. <i>Journal of Medical Internet Research</i> , 2021, 23, e26107.	4.3	91
11	Association of intraoperative hypotension and pulmonary hypertension with adverse outcomes after orthotopic liver transplantation. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2003, 17, 699-702.	1.3	77
12	EHDViz: clinical dashboard development using open-source technologies. <i>BMJ Open</i> , 2016, 6, e010579.	1.9	48
13	COVID-19: Staging of a New Disease. <i>Cancer Cell</i> , 2020, 38, 594-597.	16.8	48
14	Hospitalised COVID-19 patients of the Mount Sinai Health System: a retrospective observational study using the electronic medical records. <i>BMJ Open</i> , 2020, 10, e040441.	1.9	48
15	Optimizing cerebral oxygenation in cardiac surgery: A randomized controlled trial examining neurocognitive and perioperative outcomes. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, 943-953.e3.	0.8	46
16	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
17	Development of a Module for Point-of-care Charge Capture and Submission Using an Anesthesia Information Management System. <i>Anesthesiology</i> , 2006, 105, 179-186.	2.5	40
18	A Mission-Based Productivity Compensation Model for an Academic Anesthesiology Department. <i>Anesthesia and Analgesia</i> , 2008, 107, 1981-1988.	2.2	40

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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	The association between obesity and peak antibody titer response in COVID-19 infection. <i>Obesity</i> , 2021, 29, 1547-1553.	3.0	35
21	Moderate or Severe Impairment in Pulmonary Function is Associated with Mortality in Sarcoidosis Patients Infected with SARS-CoV-2. <i>Lung</i> , 2020, 198, 771-775.	3.3	31
22	RT-PCR/MALDI-TOF mass spectrometry-based detection of SARS-CoV-2 in saliva specimens. <i>Journal of Medical Virology</i> , 2021, 93, 5481-5486.	5.0	29
23	Comparison of Cisatracurium and Vecuronium by Infusion in Neonates and Small Infants after Congenital Heart Surgery. <i>Anesthesiology</i> , 2004, 101, 1122-1127.	2.5	26
24	Using jugular bulb oxyhemoglobin saturation to guide onset of deep hypothermic circulatory arrest does not affect post-operative neuropsychological function. <i>European Journal of Cardio-thoracic Surgery</i> , 2004, 25, 401-406.	1.4	19
25	Non-Q-Wave Infarction and Ostial Left Coronary Obstruction Due to Giant Lamblé™s Excrescences of the Aortic Valve. <i>Circulation</i> , 1999, 99, 1919-1921.	1.6	15
26	Perioperative Interventions to Modify Risk of Morbidity and Mortality. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2007, 11, 224-230.	1.0	13
27	Association between COVID-19 diagnosis and presenting chief complaint from New York City triage data. <i>American Journal of Emergency Medicine</i> , 2021, 46, 520-524.	1.6	9
28	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
29	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
30	Delayed extubation in spine surgery is associated with increased postoperative complications and hospital episode-based resource utilization. <i>Journal of Clinical Anesthesia</i> , 2022, 77, 110636.	1.6	7
31	Obesity as a mortality risk factor in the medical ward: a case control study. <i>BMC Endocrine Disorders</i> , 2022, 22, 13.	2.2	6
32	Con: retrograde cerebral perfusion is not an optimal method of neuroprotection in thoracic aortic surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2003, 17, 768-769.	1.3	5
33	Future Directions in Cardiac and Vascular Anesthesia: Unanswered Questions Regarding Variables Controllable by Anesthetic Management. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2006, 10, 3-5.	1.0	4
34	Central Nervous System Protection in Cardiac Surgery. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , 2010, 14, 32-37.	1.0	4
35	A Case Report of Cystic Pheochromocytoma. <i>American Journal of Case Reports</i> , 2017, 18, 826-829.	0.8	4
36	Cardiac output and intravascular volume. , 0, , 79-94.		3

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37	A COVID-19 Test Triage Tool, Predicting Negative Results and Reducing the Testing Burden on Healthcare Systems During a Pandemic. <i>Frontiers in Medicine</i> , 2021, 8, 563465.	2.6	3
38	A Simple Free-Text-like Method for Extracting Semi-Structured Data from Electronic Health Records: Exemplified in Prediction of In-Hospital Mortality. <i>Big Data and Cognitive Computing</i> , 2021, 5, 40.	4.7	3
39	Synergistic effect of hypoalbuminaemia and hypotension in predicting in-hospital mortality and intensive care admission: a retrospective cohort study. <i>BMJ Open</i> , 2021, 11, e050216.	1.9	3
40	Controlling Data Flow Enhances Anesthesiology's Role in Perioperative Care. <i>Journal of Clinical Monitoring and Computing</i> , 2008, 22, 221-224.	1.6	2
41	Perioperative monitoring of neuromuscular function. , 2011, , 261-280.		2
42	Laboratory-based tests of blood clotting. , 0, , 291-307.		2
43	Temperature monitoring. , 0, , 331-336.		2
44	Data-Driven Interdisciplinary Interventions to Improve Inpatient Pain Management. <i>American Journal of Medical Quality</i> , 2013, 28, 187-195.	0.5	2
45	Medicolegal implications of monitoring. , 0, , 9-15.		1
46	Arterial pressure monitoring. , 0, , 45-56.		1
47	Central venous and pulmonary artery catheterization. , 0, , 57-78.		1
48	Monitoring pressure, volume, and flow in the anesthesia breathing system. , 0, , 171-184.		1
49	Pulse oximetry. , 2011, , 185-198.		1
50	Healthcare Reform and the Cardiac Anesthesiologist/Intensivist: Challenges Ahead. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2017, 31, 329-333.	1.3	1
51	Lessons Learned From COVID-19 Resource Management at a New York Hospital. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021, 35, 1271-1273.	1.3	1
52	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
53	The history of anesthesia and perioperative monitoring. , 0, , 1-8.		0
54	Validity, accuracy, and repeatability of monitoring variables. , 0, , 16-26.		0

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55	Teaching monitoring skills. , 0, , 27-35.		0
56	Gastric tonometry. , 0, , 95-97.		0
57	Oxygen delivery, oxygen transport, and tissue oxygen tension. , 0, , 98-104.		0
58	Transesophageal echocardiography. , 0, , 105-135.		0
59	Ultrasound guidance of vascular catheterization. , 0, , 136-144.		0
60	Ultrasound guidance for regional anesthesia procedures. , 0, , 145-149.		0
61	Respiratory gas monitoring. , 0, , 150-170.		0
62	Neurologic intraoperative electrophysiologic monitoring. , 0, , 199-217.		0
63	Level of consciousness monitoring. , 0, , 218-225.		0
64	Transcranial Doppler. , 0, , 226-236.		0
65	Multimodality monitoring in critically ill neurologic patients. , 0, , 237-248.		0
66	Near-infrared spectroscopy. , 0, , 249-260.		0
67	Critical care testing in the operating room. , 2011, , 281-290.		0
68	Coagulation and hematologic point-of-care testing. , 0, , 308-318.		0
69	Cardiac biomarkers for perioperative management. , 0, , 319-326.		0
70	Endocrine testing in the operating room. , 0, , 327-330.		0
71	Fetal heart rate monitoring. , 0, , 337-347.		0
72	Pain scales. , 0, , 348-352.		0

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73	Neurologic clinical scales. , 0, , 353-356.		0
74	Postanesthesia care unit assessment scales. , 0, , 357-359.		0
75	Delirium monitoring. , 2011, , 360-368.		0
76	Intensive care unit risk scoring. , 0, , 369-382.		0
77	Computers and monitoring. , 0, , 383-396.		0
78	Chasing the elusive cerebral autoregulation curve in pursuit of intraoperative brain protection. Journal of Thoracic and Cardiovascular Surgery, 2017, 154, 1599-1600.	0.8	0
79	Vigilance Research and Just Culture Principles. Anesthesiology, 2018, 128, 6-7.	2.5	0
80	Commentary: What makes a cardiac surgical intensive care unit safe after midnight?. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 1543-1544.	0.8	0
81	Machine Learning to Predict In-Hospital Mortality among Patients with Severe Obesity: Proof of Concept Study. Obesity Science and Practice, 0, , .	1.9	0
82	Low Frequency of Folate and Vitamin B12 Deficiency in Patients with Marked Macrocytic Anemia. Journal of General Internal Medicine, 2022, , .	2.6	0