

# Peter Nagele

## List of Publications by Year in descending order

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93  
papers

5,773  
citations

147726

31  
h-index

74108

75  
g-index

106  
all docs

106  
docs citations

106  
times ranked

4860  
citing authors

#	ARTICLE	IF	CITATIONS
1	Supplemental Perioperative Oxygen to Reduce the Incidence of Surgical-Wound Infection. <i>New England Journal of Medicine</i> , 2000, 342, 161-167.	13.9	1,545
2	Association Between Postoperative Troponin Levels and 30-Day Mortality Among Patients Undergoing Noncardiac Surgery. <i>JAMA - Journal of the American Medical Association</i> , 2012, 307, 2295.	3.8	821
3	Myocardial Injury after Noncardiac Surgery. <i>Anesthesiology</i> , 2014, 120, 564-578.	1.3	740
4	Chest-compression-only versus standard cardiopulmonary resuscitation: a meta-analysis. <i>Lancet</i> , The, 2010, 376, 1552-1557.	6.3	254
5	Multicenter Randomized Comparison of the Efficacy and Safety of Xenon and Isoflurane in Patients Undergoing Elective Surgery. <i>Anesthesiology</i> , 2003, 98, 6-13.	1.3	187
6	Nitrous Oxide for Treatment-Resistant Major Depression: A Proof-of-Concept Trial. <i>Biological Psychiatry</i> , 2015, 78, 10-18.	0.7	168
7	High-sensitivity cardiac troponin T in prediction and diagnosis of myocardial infarction and long-term mortality after noncardiac surgery. <i>American Heart Journal</i> , 2013, 166, 325-332.e1.	1.2	142
8	A Meta-Analysis of CYP2D6 Metabolizer Phenotype and Metoprolol Pharmacokinetics. <i>Clinical Pharmacology and Therapeutics</i> , 2013, 94, 394-399.	2.3	101
9	Prognostic capabilities of coronary computed tomographic angiography before non-cardiac surgery: prospective cohort study. <i>BMJ</i> , The, 2015, 350, h1907-h1907.	3.0	96
10	High sensitivity troponin T concentrations in patients undergoing noncardiac surgery: A prospective cohort study. <i>Clinical Biochemistry</i> , 2011, 44, 1021-1024.	0.8	84
11	Misuse of standard error of the mean (sem) when reporting variability of a sample. A critical evaluation of four anaesthesia journals. <i>British Journal of Anaesthesia</i> , 2003, 90, 514-516.	1.5	83
12	Influence of Methylenetetrahydrofolate Reductase Gene Polymorphisms on Homocysteine Concentrations after Nitrous Oxide Anesthesia. <i>Anesthesiology</i> , 2008, 109, 36-43.	1.3	70
13	Influence of EMS-physician presence on survival after out-of-hospital cardiopulmonary resuscitation: systematic review and meta-analysis. <i>Critical Care</i> , 2015, 20, 4.	2.5	66
14	European Society of Anaesthesiology Task Force on Nitrous Oxide: a narrative review of its role in clinical practice. <i>British Journal of Anaesthesia</i> , 2019, 122, 587-604.	1.5	66
15	Postoperative QT Interval Prolongation in Patients Undergoing Noncardiac Surgery under General Anesthesia. <i>Anesthesiology</i> , 2012, 117, 321-328.	1.3	65
16	The potential impact of wrong TBSA estimations on fluid resuscitation in patients suffering from burns: Things to keep in mind. <i>Burns</i> , 2014, 40, 241-245.	1.1	62
17	Nitrous oxide (N2O) requires the N-methyl-D-aspartate receptor for its action in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 8791-8796.	3.3	59
18	Etiology of Acute Coronary Syndrome after Noncardiac Surgery. <i>Anesthesiology</i> , 2018, 128, 1084-1091.	1.3	57

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19	A phase 2 trial of inhaled nitrous oxide for treatment-resistant major depression. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	52
20	Improving Prediction of Postoperative Myocardial Infarction With High-Sensitivity Cardiac Troponin T and NT-proBNP. <i>Anesthesia and Analgesia</i> , 2017, 124, 398-405.	1.1	51
21	Systematic review and consensus definitions for the Standardized Endpoints in Perioperative Medicine (StEP) initiative: cardiovascular outcomes. <i>British Journal of Anaesthesia</i> , 2021, 126, 56-66.	1.5	51
22	Ketamine and nitrous oxide: The evolution of NMDA receptor antagonists as antidepressant agents. <i>Journal of the Neurological Sciences</i> , 2020, 412, 116778.	0.3	46
23	Treatment-Resistant Major Depression: Rationale for NMDA Receptors as Targets and Nitrous Oxide as Therapy. <i>Frontiers in Psychiatry</i> , 2015, 6, 172.	1.3	43
24	Volatile Anesthetics Bind Rat Synaptic Snare Proteins. <i>Anesthesiology</i> , 2005, 103, 768-778.	1.3	42
25	Xenon Acts by Inhibition of Non-N-methyl-d-aspartate Receptor-mediated Glutamatergic Neurotransmission in <i>Caenorhabditis elegans</i> . <i>Anesthesiology</i> , 2005, 103, 508-513.	1.3	40
26	Nitrous Oxide Anesthesia and Plasma Homocysteine in Adolescents. <i>Anesthesia and Analgesia</i> , 2011, 113, 843-848.	1.1	40
27	Major Adverse Cardiac Events and Mortality Associated with Electroconvulsive Therapy. <i>Anesthesiology</i> , 2019, 130, 83-91.	1.3	40
28	Perioperative Torsade de Pointes. <i>Anesthesia and Analgesia</i> , 2013, 117, 559-564.	1.1	37
29	Postoperative myocardial injury after major head and neck cancer surgery. <i>Head and Neck</i> , 2011, 33, 1085-1091.	0.9	34
30	Influence of Nitrous Oxide Anesthesia, B-Vitamins, and MTHFR Gene Polymorphisms on Perioperative Cardiac Events. <i>Anesthesiology</i> , 2013, 119, 19-28.	1.3	34
31	Systematic review and consensus definitions for the Standardised Endpoints in Perioperative Medicine (StEP) initiative: infection and sepsis. <i>British Journal of Anaesthesia</i> , 2019, 122, 500-508.	1.5	34
32	Expert consensus on peri-operative myocardial injury screening in noncardiac surgery. <i>European Journal of Anaesthesiology</i> , 2021, 38, 600-608.	0.7	33
33	Genetic Variation, $\beta$ -blockers, and Perioperative Myocardial Infarction. <i>Anesthesiology</i> , 2011, 115, 1316-1327.	1.3	32
34	Exploring Nitrous Oxide as Treatment of Mood Disorders. <i>Journal of Clinical Psychopharmacology</i> , 2018, 38, 144-148.	0.7	28
35	Over-the-Head Cardiopulmonary Resuscitation Improves Efficacy in Basic Life Support Performed by Professional Medical Personnel with a Single Rescuer: A Simulation Study. <i>Anesthesia and Analgesia</i> , 2005, 101, 200-205.	1.1	26
36	Sevoflurane and mivacurium in a patient with Huntington's chorea. <i>British Journal of Anaesthesia</i> , 2000, 85, 320-321.	1.5	25

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37	Genetic and environmental determinants of plasma total homocysteine levels. <i>Pharmacogenetics and Genomics</i> , 2011, 21, 426-431.	0.7	25
38	Effects of Preoxygenation on Desaturation Time during Hemorrhagic Shock in Pigs. <i>Anesthesiology</i> , 2010, 113, 593-599.	1.3	23
39	The Case for a Revised Definition of Myocardial Infarction Resolving the Ambiguity of Type 2 Myocardial Infarction. <i>JAMA Cardiology</i> , 2016, 1, 247.	3.0	21
40	High-Sensitivity Cardiac Troponin T Improves the Diagnosis of Perioperative MI. <i>Anesthesia and Analgesia</i> , 2017, 125, 1455-1462.	1.1	21
41	High-Sensitivity Cardiac Troponin After Cardiac Stress Test: A Systematic Review and Meta-Analysis. <i>Journal of the American Heart Association</i> , 2019, 8, e008626.	1.6	16
42	High-sensitivity cardiac troponin T increases after stress echocardiography. <i>Clinical Biochemistry</i> , 2019, 63, 18-23.	0.8	16
43	Pediatric Trauma in the Austrian Alps: The Epidemiology of Sport-Related Injuries in Helicopter Emergency Medical Service. <i>High Altitude Medicine and Biology</i> , 2012, 13, 112-117.	0.5	15
44	Preoperative vitamin B infusion and prevention of nitrous oxide-induced homocysteine increase. <i>Anaesthesia</i> , 2010, 65, 710-715.	1.8	14
45	Prehospital pediatric emergencies in Austrian helicopter emergency medical service – a nationwide, population-based cohort study. <i>Wiener Klinische Wochenschrift</i> , 2011, 123, 552-558.	1.0	14
46	The effects of aminophylline on bispectral index during inhalational and total intravenous anaesthesia*. <i>Anaesthesia</i> , 2008, 63, 583-587.	1.8	13
47	High-sensitivity Cardiac Troponin Elevation after Electroconvulsive Therapy. <i>Anesthesiology</i> , 2017, 126, 643-652.	1.3	13
48	A Simplified Proposal to Redefine Acute Myocardial Infarction Versus Acute Myocardial Injury. <i>Circulation</i> , 2020, 141, 1431-1433.	1.6	13
49	High-sensitivity cardiac troponin T in young, healthy adults undergoing non-cardiac surgery. <i>British Journal of Anaesthesia</i> , 2018, 120, 291-298.	1.5	12
50	Nitrous Oxide, a Rapid Antidepressant, Has Ketamine-like Effects on Excitatory Transmission in the Adult Hippocampus. <i>Biological Psychiatry</i> , 2022, 92, 964-972.	0.7	12
51	The coronary CT angiography vision protocol: a prospective observational imaging cohort study in patients undergoing non-cardiac surgery. <i>BMJ Open</i> , 2012, 2, e001474.	0.8	11
52	The Hematological Effects of Nitrous Oxide Anesthesia in Pediatric Patients. <i>Anesthesia and Analgesia</i> , 2015, 120, 1325-1330.	1.1	11
53	High-Fidelity Analysis of Perioperative QTc Prolongation. <i>Anesthesia and Analgesia</i> , 2016, 122, 439-448.	1.1	11
54	Effect of Nitrous Oxide as a Treatment for Subjective, Idiopathic, Nonpulsatile Bothering Tinnitus. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2018, 144, 781.	1.2	11

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55	Frequency and Outcomes of Preoperative Stress Testing in Total Hip and Knee Arthroplasty from 2004 to 2017. <i>JAMA Cardiology</i> , 2021, 6, 13-20.	3.0	9
56	Does Nitrous Oxide Help Veterans With Posttraumatic Stress Disorder? A Case Series. <i>Journal of Clinical Psychiatry</i> , 2020, 81, .	1.1	9
57	Perioperative genomics. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2011, 25, 549-555.	1.7	8
58	U.S. trends in elective and emergent major abdominal surgical procedures from 2002 to 2014 in older adults. <i>Journal of the American Geriatrics Society</i> , 2021, 69, 2220-2230.	1.3	8
59	Notorious Oxide. <i>Anesthesiology</i> , 2012, 117, 3-5.	1.3	8
60	A common gene variant in methionine synthase reductase is not associated with peak homocysteine concentrations after nitrous oxide anesthesia. <i>Pharmacogenetics and Genomics</i> , 2009, 19, 325-329.	0.7	6
61	The Effect of Nitrous Oxide Anesthesia on Early Postoperative Opioid Consumption and Pain. <i>Regional Anesthesia and Pain Medicine</i> , 2014, 39, 31-36.	1.1	6
62	Accuracy of Physical Function Questions to Predict Moderate-Vigorous Physical Activity as Measured by Hip Accelerometry. <i>Anesthesiology</i> , 2019, 131, 992-1003.	1.3	6
63	Prolonged Remission of Major Depressive Disorder After Single Nitrous Oxide Inhalation Treatment. <i>Frontiers in Psychiatry</i> , 2020, 11, 692.	1.3	6
64	Epidemiology and outcome of pediatric trauma treated by an emergency-physician-staffed advanced life-support unit. <i>Wiener Klinische Wochenschrift</i> , 2004, 116, 398-403.	1.0	5
65	Augmented CPR: rescue after the ResQ trial. <i>Lancet, The</i> , 2011, 377, 276-278.	6.3	5
66	Evaluation of Appropriate Use of Preoperative Echocardiography before Major Abdominal Surgery: A Retrospective Cohort Study. <i>Anesthesiology</i> , 2021, 135, 854-863.	1.3	5
67	Exome Sequencing. <i>Anesthesiology</i> , 2013, 119, 1006-1008.	1.3	4
68	Generalisability of randomised trials evaluating perioperative $\beta$ -blocker therapy in noncardiac surgery. <i>British Journal of Anaesthesia</i> , 2020, 125, 926-934.	1.5	4
69	Perioperative Myocardial Injury and Infarction: Top-20 List of What We Know and What We Don't. <i>Anesthesia and Analgesia</i> , 2020, 131, 170-172.	1.1	4
70	Morbidity and Mortality After Acute Myocardial Infarction After Elective Major Noncardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021, 35, 834-842.	0.6	4
71	NT-proBNP in young healthy adults undergoing non-cardiac surgery. <i>Clinical Biochemistry</i> , 2021, 96, 38-42.	0.8	4
72	Postoperative hypotension and troponin elevation: association or causation?. <i>British Journal of Anaesthesia</i> , 2018, 120, 4-5.	1.5	3

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73	Response to comments on "The European Society of Anaesthesiology Task Force review on the place of nitrous oxide in current clinical practice"™ (Br J Anaesth 2019; 122:587-604). British Journal of Anaesthesia, 2019, 123, e482-e483.	1.5	3
74	Epicardial Adipose Tissue. JACC: Cardiovascular Imaging, 2020, 13, 882-884.	2.3	3
75	Over-the-Head CPR. Anesthesia and Analgesia, 2006, 103, 498-499.	1.1	2
76	417. Recent Trial Data from Nitrous Oxide Effects in Treatment-Resistant Depression. Biological Psychiatry, 2017, 81, S170.	0.7	2
77	Elevated cardiac troponin before surgery: perhaps not so benign. British Journal of Anaesthesia, 2020, 124, 6-7.	1.5	2
78	Chest-compression-only versus standard CPR " Authors' reply. Lancet, The, 2011, 377, 718-719.	6.3	1
79	Neuraxial block, death, and serious cardiovascular morbidity in the POISE trial. British Journal of Anaesthesia, 2014, 112, 392.	1.5	1
80	Xenon acts by inhibition of non-NMDA receptor-mediated glutamatergic neurotransmission in Caenorhabditis elegans. International Congress Series, 2005, 1283, 256-257.	0.2	0
81	Milestones in treatment: the tipping point and the ResQ Trial " Author's reply. Lancet, The, 2011, 377, 2082-2083.	6.3	0
82	Postoperative QT Interval Prolongation in Patients Undergoing Noncardiac Surgery Under General Anesthesia. Survey of Anesthesiology, 2013, 57, 87-88.	0.1	0
83	Letter in response to "Use of preoperative cardiac troponin T to identify patients at risk for acute myocardial infarction and long-term mortality after major noncardiac surgery". American Heart Journal, 2014, 167, e7.	1.2	0
84	In Reply. Anesthesiology, 2014, 120, 515-516.	1.3	0
85	Perioperative Torsade de Pointes. Survey of Anesthesiology, 2014, 58, 44.	0.1	0
86	Paul Myles, M.B.B.S., M.P.H., D.Sc., Recipient of the 2017 Excellence in Research Award. Anesthesiology, 2017, 127, 609-610.	1.3	0
87	Refining the Diagnosis of Type 2 Myocardial Infarction"Reply. JAMA Cardiology, 2017, 2, 107.	3.0	0
88	Are high-sensitivity cardiac troponin I values stable between preoperative visit and day of non-cardiac surgery?. Clinical Biochemistry, 2018, 52, 171-172.	0.8	0
89	Cardiac Events after Electroconvulsive Therapy: Reply. Anesthesiology, 2019, 131, 942-942.	1.3	0
90	Volatile Anesthetics Bind to Synaptic SNARE Proteins and the SNARE Complex. Anesthesiology, 2002, 96, A813.	1.3	0

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91	Behavioral Effects of Nitrous Oxide in <i>C. Elegans</i> . <i>Anesthesiology</i> , 2002, 96, A781.	1.3	0
92	Normalized Subendocardial Myocardial Attenuation on Coronary Computed Tomography Angiography Predicts Postoperative Adverse Cardiovascular Events: Coronary CTA VISION Substudy. <i>Circulation: Cardiovascular Imaging</i> , 2022, 15, e012654.	1.3	0
93	The Importance of Definitive Trials: The VIXIE Trial. <i>Anesthesiology</i> , 2022, 136, 403-404.	1.3	0