

# Stephan K W Schwarz

## List of Publications by Year in descending order

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67  
papers

1,201  
citations

331670

21  
h-index

414414

32  
g-index

73  
all docs

73  
docs citations

73  
times ranked

1257  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Quaternary Lidocaine Derivative, QX-314, Produces Long-lasting Local Anesthesia in Animal Models <i>In Vivo</i> . <i>Anesthesiology</i> , 2007, 107, 305-311.	2.5	83
2	Outcome of 12 drowned children with attempted resuscitation on cardiopulmonary bypass: An analysis of variables based on the Utstein Style for Drowning. <i>Resuscitation</i> , 2007, 75, 42-52.	3.0	82
3	Hemidiaphragmatic Paralysis Following Ultrasound-Guided Supraclavicular Versus Infraclavicular Brachial Plexus Blockade. <i>Regional Anesthesia and Pain Medicine</i> , 2015, 40, 133-138.	2.3	77
4	Mechanisms of action of fascial plane blocks: a narrative review. <i>Regional Anesthesia and Pain Medicine</i> , 2021, 46, 618-628.	2.3	71
5	Regional Versus General Anesthesia and the Incidence of Unplanned Health Care Resource Utilization for Postoperative Pain After Wrist Fracture Surgery. <i>Regional Anesthesia and Pain Medicine</i> , 2016, 41, 22-27.	2.3	68
6	QX-314 Produces Long-lasting Local Anesthesia Modulated by Transient Receptor Potential Vanilloid Receptors in Mice. <i>Anesthesiology</i> , 2009, 111, 122-126.	2.5	46
7	Postoperative delirium following transcatheter aortic valve implantation: a historical cohort study. <i>Canadian Journal of Anaesthesia</i> , 2015, 62, 22-30.	1.6	41
8	A Novel Vibrotactile Display to Improve the Performance of Anesthesiologists in a Simulated Critical Incident. <i>Anesthesia and Analgesia</i> , 2008, 106, 1182-1188.	2.2	38
9	A "swing room" model based on regional anesthesia reduces turnover time and increases case throughput. <i>Canadian Journal of Anaesthesia</i> , 2011, 58, 725-732.	1.6	38
10	Ultrasound guidance versus direct palpation for radial artery catheterization by expert operators: a randomized trial among Canadian cardiac anesthesiologists. <i>Canadian Journal of Anaesthesia</i> , 2015, 62, 1161-1168.	1.6	36
11	Pharmacological Risk Factors for Delirium after Cardiac Surgery: A Review. <i>Current Neuropharmacology</i> , 2012, 10, 181-196.	2.9	34
12	Case series: anesthesia for retrograde percutaneous aortic valve replacement "experience with the first 40 patients. <i>Canadian Journal of Anaesthesia</i> , 2008, 55, 761-768.	1.6	33
13	Incidence of and Risk Factors for Delirium After Cardiac Surgery at a Quaternary Care Center: A Retrospective Cohort Study. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2015, 29, 1472-1479.	1.3	33
14	A comparison of the systemic toxicity of lidocaine versus its quaternary derivative QX-314 in mice. <i>Canadian Journal of Anaesthesia</i> , 2011, 58, 443-450.	1.6	32
15	Addition of femoral 3-in-1 blockade to intra-articular ropivacaine 0.2% does not reduce analgesic requirements following arthroscopic knee surgery. <i>Canadian Journal of Anaesthesia</i> , 1999, 46, 741-747.	1.6	31
16	Lumbar Intrathecal Administration of the Quaternary Lidocaine Derivative, QX-314, Produces Irritation and Death in Mice. <i>Anesthesiology</i> , 2010, 113, 438-444.	2.5	30
17	Dark green blood in the operating theatre. <i>Lancet, The</i> , 2007, 369, 1972.	13.7	29
18	The Quaternary Lidocaine Derivative, QX-314, Exerts Biphasic Effects on Transient Receptor Potential Vanilloid Subtype 1 Channels <i>In Vitro</i> . <i>Anesthesiology</i> , 2011, 114, 1425-1434.	2.5	27

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19	Analgesic Properties of the Novel Amino Acid, Isovaline. <i>Anesthesia and Analgesia</i> , 2010, 110, 1206-1214.	2.2	24
20	Combined pre- and post-surgical bupivacaine wound infiltrations decrease opioid requirements after knee ligament reconstruction. <i>Canadian Journal of Anaesthesia</i> , 2001, 48, 245-250.	1.6	23
21	Point-of-care ultrasonography in Canadian anesthesiology residency programs: a national survey of program directors. <i>Canadian Journal of Anaesthesia</i> , 2017, 64, 1023-1036.	1.6	23
22	La r�cup�ration spontan�e apr�s un h�matome �pidural rachidien de pr�sentation atypique chez une nonag�naire. <i>Canadian Journal of Anaesthesia</i> , 2004, 51, 557-561.	1.6	20
23	Lidocaine Blocks the Hyperpolarization-activated Mixed Cation Current, <i>h</i> , in Rat Thalamocortical Neurons. <i>Anesthesiology</i> , 2011, 115, 822-835.	2.5	17
24	A Vibro-Tactile Display for Clinical Monitoring. <i>Anesthesia and Analgesia</i> , 2012, 115, 588-594.	2.2	17
25	Effects of local tramadol administration on peripheral glutamate-induced nociceptive behaviour in mice. <i>Canadian Journal of Anaesthesia</i> , 2010, 57, 659-663.	1.6	16
26	An Evaluation of an Expert System for Detecting Critical Events During Anesthesia in a Human Patient Simulator. <i>Anesthesia and Analgesia</i> , 2013, 117, 380-391.	2.2	16
27	Under �cereal world� conditions, desflurane increases drug cost without speeding discharge after short ambulatory anesthesia compared to isoflurane. <i>Canadian Journal of Anaesthesia</i> , 2004, 51, 892-898.	1.6	15
28	Analgesic and sedative concentrations of lignocaine shunt tonic and burst firing in thalamocortical neurones. <i>British Journal of Pharmacology</i> , 1998, 124, 1633-1642.	5.4	13
29	A regional anesthesia-based �swing� operating room model reduces non-operative time in a mixed orthopedic inpatient/outpatient population. <i>Canadian Journal of Anaesthesia</i> , 2012, 59, 943-949.	1.6	13
30	A Single Prophylactic Dose of Ondansetron Given at Cessation of Postoperative Propofol Sedation Decreases Postoperative Nausea and Vomiting in Cardiac Surgery Patients: A Randomized Controlled Trial. <i>Anesthesia and Analgesia</i> , 2020, 131, 1164-1172.	2.2	13
31	Incidence and risk factors for impaired mobility in older cardiac surgery patients during the early postoperative period. <i>Geriatrics and Gerontology International</i> , 2015, 15, 276-281.	1.5	12
32	Cost comparison of sevoflurane with isoflurane anesthesia in arthroscopic meniscectomy surgery. <i>Canadian Journal of Anaesthesia</i> , 1999, 46, 1008-1013.	1.6	11
33	Defining rules for the identification of critical ventilatory events. <i>Canadian Journal of Anaesthesia</i> , 2008, 55, 702-714.	1.6	10
34	Improved Neuromuscular Blockade Using a Novel Neuromuscular Blockade Advisory System: A Randomized, Controlled, Clinical Trial. <i>Anesthesia and Analgesia</i> , 2008, 107, 1609-1617.	2.2	10
35	Quality of meta-analyses of non-opioid, pharmacological, perioperative interventions for chronic postsurgical pain: a systematic review. <i>Regional Anesthesia and Pain Medicine</i> , 2022, 47, 263-269.	2.3	10
36	Comparison between a dorsal and a belt tactile display prototype for decoding physiological events in the operating room. <i>Journal of Clinical Monitoring and Computing</i> , 2009, 23, 137-147.	1.6	9

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37	The Efficacy and Safety of the Novel Peripheral Analgesic Isovaline as an Adjuvant to Propofol for General Anesthesia and Conscious Sedation. <i>Anesthesia and Analgesia</i> , 2015, 121, 1481-1487.	2.2	8
38	Central Nervous Systemâ€“Toxic Lidocaine Concentrations Unmask L-Type Ca <sup>2+</sup> Currentâ€“Mediated Action Potentials in Rat Thalamocortical Neurons: An In Vitro Mechanism of Action Study. <i>Anesthesia and Analgesia</i> , 2016, 122, 1360-1369.	2.2	7
39	Collapsus hÃ©modynamique sous anesthÃ©sie chez une patiente souffrant dâ€™un sarcome de lâ€™artÃ©re pulmonaire. <i>Canadian Journal of Anaesthesia</i> , 2009, 56, 604-608.	1.6	6
40	Evaluation of a novel mouse model of intracisternal strychnine-induced trigeminal allodynia. <i>Canadian Journal of Anaesthesia</i> , 2013, 60, 780-786.	1.6	6
41	Expression-dependent pharmacology of transient receptor potential vanilloid subtype 1 channels in <i>Xenopus laevis</i> oocytes. <i>Channels</i> , 2013, 7, 47-50.	2.8	6
42	An Intraplantar Hypertonic Saline Assay in Mice for Rapid Screening of Analgesics. <i>Anesthesia and Analgesia</i> , 2018, 127, 548-555.	2.2	6
43	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. <i>British Journal of Anaesthesia</i> , 2022, 129, 127-135.	3.4	6
44	Lidocaine produces a shunt in rats thalamocortical neurons, unaffected by GABA <sub>A</sub> receptor blockade. <i>Neuroscience Letters</i> , 1999, 269, 25-28.	2.1	5
45	Design of Rhythm-Based Vibrotactile Stimuli Around the Waist: Evaluation of Two Encoding Parameters. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2009, 39, 1062-1073.	2.9	5
46	Cation and voltage dependence of lidocaine inhibition of the hyperpolarization-activated cyclic nucleotide-gated HCN1 channel. <i>Scientific Reports</i> , 2017, 7, 1281.	3.3	5
47	Accepting the baton at the Journal: a moment to celebrate success, science, diversity, and future opportunities. <i>Canadian Journal of Anaesthesia</i> , 2021, 68, 1-7.	1.6	5
48	Can Items on an Aviation-Style Checklist for Preparation of Cesarean Delivery Under General Anesthesia Present a Threat for Patient Safety?. <i>Anesthesia and Analgesia</i> , 2006, 102, 970.	2.2	4
49	Extracellular Quaternary Ammonium Blockade of Transient Receptor Potential Vanilloid Subtype 1 Channels Expressed in <i>Xenopus laevis</i> Oocytes. <i>Molecular Pharmacology</i> , 2012, 82, 1129-1135.	2.3	4
50	What Would I Want For My Surgery?. <i>Healthcare Quarterly</i> , 2014, 17, 7-9.	0.7	4
51	Variations of isovaline structure related to activity in the formalin foot assay in mice. <i>Amino Acids</i> , 2017, 49, 1203-1213.	2.7	3
52	COX-2 Inhibition for Postoperative Analgesia. <i>Anesthesia and Analgesia</i> , 2003, 96, 1235.	2.2	2
53	What to do when perioperative point-of-care ultrasound shows evidence of a full stomach despite fasting?. <i>Canadian Journal of Anaesthesia</i> , 2020, 67, 798-805.	1.6	2
54	Editorsâ€™ note: 2021 Special Issue on airway management. <i>Canadian Journal of Anaesthesia</i> , 2021, 68, 1313-1316.	1.6	2

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55	Association of anaesthesia technique with 30-day primary graft patency after open lower limb revascularization: retrospective cohort study. <i>BJS Open</i> , 2022, 6, .	1.7	2
56	D'livrance d'opio des apr's un accouchement par c'sarienne en Colombie-Britannique : une analyse de cohorte historique de 2004 Å 2019. <i>Canadian Journal of Anaesthesia</i> , 2022, 69, 997-1006.	1.6	2
57	Trends in opioid dispensing after common abdominal and orthopedic surgery procedures in British Columbia: a retrospective cohort analysis. <i>Canadian Journal of Anaesthesia</i> , 0, , .	1.6	2
58	Clinical decision support in physiological monitoring. <i>International Journal of Biomedical Engineering and Technology</i> , 2010, 3, 264.	0.2	1
59	Antinociception by intrathecal delivery of the novel non-opioid 1-amino-1-cyclobutanecarboxylic acid. <i>European Journal of Pain</i> , 2019, 23, 260-271.	2.8	1
60	Repeated Testing With the Hypertonic Saline Assay in Mice for Screening of Analgesic Activity. <i>Anesthesia and Analgesia</i> , 2019, 129, 269-275.	2.2	1
61	A new hypertonic saline assay for analgesic screening in mice: effects of animal strain, sex, and diurnal phase. <i>Canadian Journal of Anaesthesia</i> , 2021, 68, 672-682.	1.6	1
62	Noise in the operating room during induction of anesthesia: impact of a quality improvement initiative. <i>Canadian Journal of Anaesthesia</i> , 2022, 69, 494-503.	1.6	1
63	A Randomized Controlled Trial on Local Anesthetics in the Wound: What do the Numbers Mean?. <i>Anesthesia and Analgesia</i> , 2001, 93, 514.	2.2	0
64	Book & new media reviews. <i>Canadian Journal of Anaesthesia</i> , 2005, 52, 1109-1110.	1.6	0
65	Differential effects of R-isovaline and the GABAB agonist, baclofen, in the guinea pig ileum. <i>European Journal of Pharmacology</i> , 2016, 791, 85-90.	3.5	0
66	Effects of QX-314 on membrane properties of neurons in the ventrobasal thalamus. <i>Proceedings of the Western Pharmacology Society</i> , 2002, 45, 29-31.	0.1	0
67	Editors' note: 2022 Special Issue on postoperative opioid analgesia. <i>Canadian Journal of Anaesthesia</i> , 0, , .	1.6	0