

Klaus T Olkkola

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,649
citations

393982

19
h-index

301761

39
g-index

51
all docs

51
docs citations

51
times ranked

1586
citing authors

#	ARTICLE	IF	CITATIONS
1	Ketamine: A Review of Clinical Pharmacokinetics and Pharmacodynamics in Anesthesia and Pain Therapy. <i>Clinical Pharmacokinetics</i> , 2016, 55, 1059-1077.	1.6	392
2	A potentially hazardous interaction between erythromycin and midazolam. <i>Clinical Pharmacology and Therapeutics</i> , 1993, 53, 298-305.	2.3	313
3	Effect of Inhaled Xenon on Cerebral White Matter Damage in Comatose Survivors of Out-of-Hospital Cardiac Arrest. <i>JAMA - Journal of the American Medical Association</i> , 2016, 315, 1120.	3.8	97
4	Effect of itraconazole and terbinafine on the pharmacokinetics and pharmacodynamics of midazolam in healthy volunteers. <i>British Journal of Clinical Pharmacology</i> , 1995, 40, 270-272.	1.1	84
5	Fluconazole, but not terbinafine, enhances the effects of triazolam by inhibiting its metabolism. <i>British Journal of Clinical Pharmacology</i> , 1996, 41, 319-323.	1.1	60
6	Effect of fluconazole dose on the extent of fluconazole-triazolam interaction. <i>British Journal of Clinical Pharmacology</i> , 1996, 42, 465-470.	1.1	58
7	Pharmacokinetics and pharmacodynamics of intravenous meperidine in neonates and infants. <i>Clinical Pharmacology and Therapeutics</i> , 1992, 52, 342-349.	2.3	54
8	Prehospital National Early Warning Score predicts early mortality. <i>Acta Anaesthesiologica Scandinavica</i> , 2019, 63, 676-683.	0.7	44
9	Mechanism-based population pharmacokinetic and pharmacodynamic modeling of intravenous and intranasal dexmedetomidine in healthy subjects. <i>European Journal of Clinical Pharmacology</i> , 2015, 71, 1197-1207.	0.8	42
10	A Physiologically Based Pharmacokinetic Model of Voriconazole Integrating Time-Dependent Inhibition of CYP3A4, Genetic Polymorphisms of CYP2C19 and Predictions of Drug-Drug Interactions. <i>Clinical Pharmacokinetics</i> , 2020, 59, 781-808.	1.6	42
11	The Effect of Erythromycin and Fluvoxamine on the Pharmacokinetics of Intravenous Lidocaine. <i>Anesthesia and Analgesia</i> , 2005, 100, 1352-1356.	1.1	32
12	Neurocognitive long term follow-up study on drowned children. <i>Resuscitation</i> , 2014, 85, 1059-1064.	1.3	31
13	Effect of Timing and Route of Methylprednisolone Administration During Pediatric Cardiac Surgical Procedures. <i>Annals of Thoracic Surgery</i> , 2015, 99, 180-185.	0.7	30
14	Exercise alters the pharmacokinetics of midazolam. <i>Clinical Pharmacology and Therapeutics</i> , 1992, 51, 527-532.	2.3	29
15	Effects of anaesthesia method and tourniquet use on recovery following total knee arthroplasty: a randomised controlled study. <i>British Journal of Anaesthesia</i> , 2020, 125, 762-772.	1.5	27
16	Aetiology of in-hospital cardiac arrest on general wards. <i>Resuscitation</i> , 2016, 107, 19-24.	1.3	25
17	Systemic inflammatory response syndrome without systemic inflammation in acutely ill patients admitted to hospital in a medical emergency. <i>Clinical Science</i> , 1999, 96, 287-295.	1.8	24
18	Time Course of β_2 -Integrin CD11b/CD18 (Mac-1, $\alpha_M\beta_2$) Upregulation on Neutrophils and Monocytes after Coronary Artery Bypass Grafting: CD11b upregulation after CABG surgery. <i>Scandinavian Journal of Thoracic and Cardiovascular Surgery</i> , 1996, 30, 141-148.	0.2	21

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19	S-ketamine in patient-controlled analgesia reduces opioid consumption in a dose-dependent manner after major lumbar fusion surgery: A randomized, double-blind, placebo-controlled clinical trial. PLoS ONE, 2021, 16, e0252626.	1.1	21
20	Effect of mattress and bed frame deflection on real chest compression depth measured with two CPR sensors. Resuscitation, 2014, 85, 840-843.	1.3	19
21	Simultaneous beat-to-beat assessment of arterial blood pressure and quality of cardiopulmonary resuscitation in out-of-hospital and in-hospital settings. Resuscitation, 2015, 96, 163-169.	1.3	17
22	Semimechanistic Population Pharmacokinetic Model to Predict the Drug-Drug Interaction Between S-ketamine and Ticlopidine in Healthy Human Volunteers. CPT: Pharmacometrics and Systems Pharmacology, 2018, 7, 687-697.	1.3	17
23	Voriconazole more likely than posaconazole increases plasma exposure to sublingual buprenorphine causing a risk of a clinically important interaction. European Journal of Clinical Pharmacology, 2016, 72, 1363-1371.	0.8	15
24	Maturation of Oxycodone Pharmacokinetics in Neonates and Infants: a Population Pharmacokinetic Model of Three Clinical Trials. Pharmaceutical Research, 2017, 34, 1125-1133.	1.7	15
25	High-Dose Methylprednisolone Has No Benefit Over Moderate Dose for the Correction of Tetralogy of Fallot. Annals of Thoracic Surgery, 2016, 102, 870-876.	0.7	13
26	Endorsement of clinical practice guidelines by the Scandinavian Society of Anaesthesiology and Intensive Care Medicine. Acta Anaesthesiologica Scandinavica, 2019, 63, 161-163.	0.7	13
27	Voriconazole greatly increases the exposure to oral buprenorphine. European Journal of Clinical Pharmacology, 2018, 74, 1615-1622.	0.8	12
28	Random forest machine learning method outperforms prehospital National Early Warning Score for predicting one-day mortality: A retrospective study. Resuscitation Plus, 2020, 4, 100046.	0.6	12
29	Surviving sepsis campaign: International guidelines for management of sepsis and septic shock in adults 2021 -endorsement by the Scandinavian society of anaesthesiology and intensive care medicine. Acta Anaesthesiologica Scandinavica, 2022, 66, 634-635.	0.7	11
30	Randomised controlled study comparing general and spinal anaesthesia with and without a tourniquet on the outcomes of total knee arthroplasty: study protocol. BMJ Open, 2018, 8, e025546.	0.8	10
31	First genome-wide association study on rocuronium dose requirements shows association with SLC01A2. British Journal of Anaesthesia, 2021, 126, 949-957.	1.5	9
32	Body weight, gender and pregnancy affect enantiomer-specific ketorolac pharmacokinetics. British Journal of Clinical Pharmacology, 2017, 83, 1966-1975.	1.1	8
33	Use of a Tourniquet and Spinal Anesthesia Increases Satisfactory Outcomes After Total Knee Arthroplasty. Journal of Bone and Joint Surgery - Series A, 2021, 103, 1890-1899.	1.4	8
34	Ability of prehospital NEWS to predict 1-day and 7-day mortality is reduced in the older adult patients. Emergency Medicine Journal, 2021, 38, emermed-2019-209400.	0.4	7
35	Cigarette smoking does not affect thiopentone pharmacodynamic or pharmacokinetic behaviour. Canadian Journal of Anaesthesia, 1997, 44, 1269-1274.	0.7	5
36	A policy for diversity, equity, inclusion and anti-racism in the Scandinavian Society of Anaesthesiology and Intensive Care Medicine (SSAI). Acta Anaesthesiologica Scandinavica, 2022, 66, 141-144.	0.7	5

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37	Regional anaesthesia in patients on antithrombotic drugs – a joint <sc>ESAIC</sc>/<sc>ESRA</sc> guideline: Endorsement by the Scandinavian Society of Anaesthesiology and Intensive Care Medicine. Acta Anaesthesiologica Scandinavica, 2022, 66, 887-889.	0.7	4
38	Clinical practice guideline on atraumatic (pencilâ€point) vs conventional needles for lumbar puncture: Endorsement by the Scandinavian Society of Anaesthesiology and Intensive Care Medicine. Acta Anaesthesiologica Scandinavica, 2019, 63, 438-439.	0.7	3
39	Impact of enantiomerâ€specific changes in pharmacokinetics between infants and adults on the target concentration of racemic ketorolac: A pooled analysis. British Journal of Clinical Pharmacology, 2021, 87, 1443-1454.	1.1	3
40	Anesthesia Method, Tourniquet Use, and Persistent Postsurgical Pain after Total Knee Arthroplasty: A Prespecified Secondary Analysis of a Randomized Trial. Anesthesiology, 2021, 135, 699-710.	1.3	3
41	Therapeutics and COVIDâ€19â€A living WHO guideline: Endorsement by the Scandinavian Society of Anaesthesiology and Intensive Care Medicine. Acta Anaesthesiologica Scandinavica, 2022, , .	0.7	3
42	Cerebral autoregulation after aneurysmal subarachnoid haemorrhage. A preliminary study comparing dexmedetomidine to propofol and/or midazolam. Acta Anaesthesiologica Scandinavica, 2020, 64, 1278-1286.	0.7	2
43	Relationship of Edoxaban Plasma Concentration and Blood Coagulation in Healthy Volunteers Using Standard Laboratory Tests and Viscoelastic Analysis. Journal of Clinical Pharmacology, 2021, 61, 522-530.	1.0	2
44	Acute hormonal findings after aneurysmal subarachnoid hemorrhage – report from a single center. Endocrine Research, 2017, 42, 125-131.	0.6	1
45	Clinical practice guideline on prevention of rhabdomyolysis induced acute kidney injury: Endorsement by the Scandinavian Society of Anaesthesiology and Intensive Care Medicine. Acta Anaesthesiologica Scandinavica, 2019, 63, 1280-1281.	0.7	1
46	Clinical practice guideline on gastrointestinal bleeding prophylaxis for critically ill patients: Endorsement by the Scandinavian Society of Anaesthesiology and Intensive Care Medicine. Acta Anaesthesiologica Scandinavica, 2021, 65, 549-550.	0.7	1
47	Clinical practice guideline on spinal stabilisation of adult trauma patients: Endorsement by the Scandinavian Society of Anaesthesiology and Intensive Care Medicine. Acta Anaesthesiologica Scandinavica, 2021, 65, 986-987.	0.7	1
48	Clinical practice guideline on the management of septic shock and sepsisâ€associated organ dysfunction in children: Endorsement by the Scandinavian Society of Anaesthesiology and Intensive Care Medicine. Acta Anaesthesiologica Scandinavica, 2021, 65, 1365-1366.	0.7	1
49	Rifampin Reduces the Plasma Concentrations of Oral and Intravenous Hydromorphone in Healthy Volunteers. Anesthesia and Analgesia, 2021, 133, 423-434.	1.1	1
50	Transfusion strategies in bleeding critically ill adults: A clinical practice guideline from the European Society of Intensive Care Medicine: Endorsement by the Scandinavian Society of Anaesthesiology and Intensive Care Medicine. Acta Anaesthesiologica Scandinavica, 2022, , .	0.7	1