

Hugo E M Vereecke

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

2,546
citations

218677

26
h-index

223800

46
g-index

49
all docs

49
docs citations

49
times ranked

1524
citing authors

#	ARTICLE	IF	CITATIONS
1	Cerebral State Index during Propofol Anesthesia. <i>Anesthesiology</i> , 2006, 105, 28-36.	2.5	598
2	Ability of the Bispectral Index, Autoregressive Modelling with Exogenous Input-derived Auditory Evoked Potentials, and Predicted Propofol Concentrations to Measure Patient Responsiveness during Anesthesia with Propofol and Remifentanil. <i>Anesthesiology</i> , 2003, 99, 802-812.	2.5	171
3	Spectral Entropy as an Electroencephalographic Measure of Anesthetic Drug Effect. <i>Anesthesiology</i> , 2004, 101, 34-42.	2.5	153
4	Detrended Fluctuation Analysis of EEG as a Measure of Depth of Anesthesia. <i>IEEE Transactions on Biomedical Engineering</i> , 2007, 54, 840-846.	4.2	116
5	The History of Target-Controlled Infusion. <i>Anesthesia and Analgesia</i> , 2016, 122, 56-69.	2.2	105
6	A Prospective Randomized Trial Comparing the 1-Stage with the 2-Stage Implantation of a Pulse Generator in Patients with Pelvic Floor Dysfunction Selected for Sacral Nerve Stimulation. <i>European Urology</i> , 2004, 45, 649-654.	1.9	100
7	An Allometric Model of Remifentanil Pharmacokinetics and Pharmacodynamics. <i>Anesthesiology</i> , 2017, 126, 1005-1018.	2.5	87
8	A comparison of bispectral index and ARX-derived auditory evoked potential index in measuring the clinical interaction between ketamine and propofol anaesthesia. <i>Anaesthesia</i> , 2003, 58, 957-961.	3.8	80
9	Development of an Optimized Pharmacokinetic Model of Dexmedetomidine Using Target-controlled Infusion in Healthy Volunteers. <i>Anesthesiology</i> , 2015, 123, 357-367.	2.5	77
10	An Evaluation of Using Population Pharmacokinetic Models to Estimate Pharmacodynamic Parameters for Propofol and Bispectral Index in Children. <i>Anesthesiology</i> , 2011, 115, 83-93.	2.5	72
11	Dexmedetomidine pharmacokineticâ€“pharmacodynamic modelling in healthy volunteers: 1. Influence of arousal on bispectral index and sedation. <i>British Journal of Anaesthesia</i> , 2017, 119, 200-210.	3.4	61
12	Study of the time course of the clinical effect of propofol compared with the time course of the predicted effect-site concentration: performance of three pharmacokineticâ€“dynamic models. <i>British Journal of Anaesthesia</i> , 2010, 104, 452-458.	3.4	60
13	Noxious Stimulation Response Index. <i>Anesthesiology</i> , 2010, 112, 872-880.	2.5	60
14	Remifentanil used to supplement propofol does not improve quality of sedation during spontaneous respiration. <i>Journal of Clinical Anesthesia</i> , 2004, 16, 237-243.	1.6	57
15	Optimizing intravenous drug administration by applying pharmacokinetic/pharmacodynamic concepts. <i>British Journal of Anaesthesia</i> , 2011, 107, 38-47.	3.4	55
16	Sevoflurane Remifentanil Interaction. <i>Anesthesiology</i> , 2012, 116, 311-323.	2.5	53
17	Pharmacokinetic and pharmacodynamic interactions in anaesthesia. A review of current knowledge and how it can be used to optimize anaesthetic drug administration. <i>British Journal of Anaesthesia</i> , 2017, 118, 44-57.	3.4	52
18	Dexmedetomidine pharmacodynamics in healthy volunteers: 2. Haemodynamic profile. <i>British Journal of Anaesthesia</i> , 2017, 119, 211-220.	3.4	50

#	ARTICLE	IF	CITATIONS
19	Propofol and Remifentanil Differentially Modulate Frontal Electroencephalographic Activity. <i>Anesthesiology</i> , 2010, 113, 292-304.	2.5	44
20	Accuracy of the Composite Variability Index as a Measure of the Balance Between Nociception and Antinociception During Anesthesia. <i>Anesthesia and Analgesia</i> , 2014, 119, 288-301.	2.2	42
21	Test of neural inertia in humans during general anaesthesia. <i>British Journal of Anaesthesia</i> , 2018, 120, 525-536.	3.4	41
22	New Composite Index Based on Midlatency Auditory Evoked Potential and Electroencephalographic Parameters to Optimize Correlation with Propofol Effect Site Concentration. <i>Anesthesiology</i> , 2005, 103, 500-507.	2.5	39
23	Differential effects of phenylephrine and norepinephrine on peripheral tissue oxygenation during general anaesthesia. <i>European Journal of Anaesthesiology</i> , 2015, 32, 571-580.	1.7	39
24	Neural mass model-based tracking of anesthetic brain states. <i>NeuroImage</i> , 2016, 133, 438-456.	4.2	37
25	Propofol Breath Monitoring as a Potential Tool to Improve the Prediction of Intraoperative Plasma Concentrations. <i>Clinical Pharmacokinetics</i> , 2016, 55, 849-859.	3.5	30
26	Comparisons of Electroencephalographically Derived Measures of Hypnosis and Antinociception in Response to Standardized Stimuli During Target-Controlled Propofol-Remifentanil Anesthesia. <i>Anesthesia and Analgesia</i> , 2016, 122, 382-392.	2.2	28
27	Probability to tolerate laryngoscopy and noxious stimulation response index as general indicators of the anaesthetic potency of sevoflurane, propofol, and remifentanil. <i>British Journal of Anaesthesia</i> , 2016, 116, 624-631.	3.4	26
28	A Response Surface Model Approach for Continuous Measures of Hypnotic and Analgesic Effect during Sevoflurane-Remifentanil Interaction. <i>Anesthesiology</i> , 2014, 120, 1390-1399.	2.5	25
29	The Effects of Ketamine and Rocuronium on the A-Line® Auditory Evoked Potential Index, Bispectral Index, and Spectral Entropy Monitor during Steady State Propofol and Remifentanil Anesthesia. <i>Anesthesiology</i> , 2006, 105, 1122-1134.	2.5	23
30	Interaction between Nitrous Oxide, Sevoflurane, and Opioids. <i>Anesthesiology</i> , 2013, 118, 894-902.	2.5	19
31	Population Pharmacodynamics of Propofol and Sevoflurane in Healthy Volunteers Using a Clinical Score and the Patient State Index. <i>Anesthesiology</i> , 2019, 131, 1223-1238.	2.5	17
32	Model-based drug administration. <i>Current Opinion in Anaesthesiology</i> , 2016, 29, 475-481.	2.0	16
33	Novel drug-independent sedation level estimation based on machine learning of quantitative frontal electroencephalogram features in healthy volunteers. <i>British Journal of Anaesthesia</i> , 2019, 123, 479-487.	3.4	15
34	A Novel Design for Steerable Instruments Based on Laser-Cut Nitinol. <i>Surgical Innovation</i> , 2014, 21, 303-311.	0.9	14
35	Analysis of Remifentanil with Liquid Chromatography-Tandem Mass Spectrometry and an Extensive Stability Investigation in EDTA Whole Blood and Acidified EDTA Plasma. <i>Anesthesia and Analgesia</i> , 2015, 120, 1235-1241.	2.2	14
36	Sequential off-pump coronary artery bypass and liver transplantation. <i>Transplant International</i> , 2006, 19, 432-434.	1.6	10

#	ARTICLE	IF	CITATIONS
37	General Purpose Pharmacokinetic-Pharmacodynamic Models for Target-Controlled Infusion of Anaesthetic Drugs: A Narrative Review. <i>Journal of Clinical Medicine</i> , 2022, 11, 2487.	2.4	10
38	Tracking Electroencephalographic Changes Using Distributions of Linear Models: Application to Propofol-Based Depth of Anesthesia Monitoring. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 870-881.	4.2	9
39	Performance of the Eleveld pharmacokinetic model to titrate propofol in an obese Japanese patient population. <i>European Journal of Anaesthesiology</i> , 2016, 33, 58.	1.7	7
40	Auto-mutual information function of the EEG as a measure of depth of anesthesia. , 2011, 2011, 2574-7.		5
41	Pharmacokinetic Pharmacodynamic Perspective on the Detection of Signs of Neural Inertia in Humans. <i>Anesthesiology</i> , 2018, 129, 373-375.	2.5	5
42	Utility of the SmartPilot® View advisory screen to improve anaesthetic drug titration and postoperative outcomes in clinical practice: a two-centre prospective observational trial. <i>British Journal of Anaesthesia</i> , 2022, 128, 959-970.	3.4	5
43	Depth of Anesthesia Index using Cumulative Power Spectrum. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 15-8.	0.5	4
44	Assessment of the depth of anesthesia based on symbolic dynamics of the EEG. , 2010, 2010, 5971-4.		4
45	A hitchhiker's guide to the intravenous PK/PD galaxy. <i>Paediatric Anaesthesia</i> , 2011, 21, 915-918.	1.1	4
46	Pressure monitoring during neuroendoscopy: new insights. <i>British Journal of Anaesthesia</i> , 2011, 107, 218-224.	3.4	4
47	Administration of anesthetic drugs according to pharmacological principles: are we heading in the right direction?. <i>Journal of Clinical Monitoring and Computing</i> , 2019, 33, 945-947.	1.6	2
48	Nociception level-guided fentanyl titration: potential impact of multimodal anaesthesia and false positives. Comment on <i>Br J Anaesth</i> 2020; 125: 1070-8. <i>British Journal of Anaesthesia</i> , 2021, 126, e64-e65.	3.4	1
49	Recent Advances in Composite AEP/EEG Indices for Estimating Hypnotic Depth during General Anesthesia. , 0, , 535-553.		0