

Christian Koch

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

393
citations

840776

11
h-index

839539

18
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46
all docs

46
docs citations

46
times ranked

588
citing authors

#	ARTICLE	IF	CITATIONS
1	Hypotension Prediction Index based protocolized haemodynamic management reduces the incidence and duration of intraoperative hypotension in primary total hip arthroplasty: a single centre feasibility randomised blinded prospective interventional trial. <i>Journal of Clinical Monitoring and Computing</i> , 2020, 34, 1149-1158.	1.6	60
2	C-Reactive Protein Stimulates Nicotinic Acetylcholine Receptors to Control ATP-Mediated Monocytic Inflammasome Activation. <i>Frontiers in Immunology</i> , 2018, 9, 1604.	4.8	45
3	Gastrointestinal Complications After Pancreatoduodenectomy With Epidural vs Patient-Controlled Intravenous Analgesia. <i>JAMA Surgery</i> , 2020, 155, e200794.	4.3	37
4	Comparison of qSOFA score, SOFA score, and SIRS criteria for the prediction of infection and mortality among surgical intermediate and intensive care patients. <i>World Journal of Emergency Surgery</i> , 2020, 15, 63.	5.0	25
5	Plasma DNA and RNA differentially impact coagulation during abdominal sepsis—an explorative study. <i>Journal of Surgical Research</i> , 2017, 210, 231-243.	1.6	17
6	Cardiac Effects of Echinocandins after Central Venous Administration in Adult Rats. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 1612-1619.	3.2	16
7	Blood Levels of Free-Circulating Mitochondrial DNA in Septic Shock and Postsurgical Systemic Inflammation and Its Influence on Coagulation: A Secondary Analysis of a Prospective Observational Study. <i>Journal of Clinical Medicine</i> , 2020, 9, 2056.	2.4	15
8	Anesthetic Management for Percutaneous Minimally Invasive Fetoscopic Surgery of Spina Bifida Aperta: A Retrospective, Descriptive Report of Clinical Experience. <i>Anesthesia and Analgesia</i> , 2017, 125, 219-222.	2.2	14
9	Ivor Lewis esophagectomy patients are particularly vulnerable to respiratory impairment - a comparison to major lung resection. <i>Scientific Reports</i> , 2019, 9, 11856.	3.3	14
10	Flow Cytometry-Based Quantification of Neutrophil Extracellular Traps Shows an Association with Hypercoagulation in Septic Shock and Hypocoagulation in Postsurgical Systemic Inflammation—A Proof-of-Concept Study. <i>Journal of Clinical Medicine</i> , 2020, 9, 174.	2.4	13
11	Host-Derived Delta-Like Canonical Notch Ligand 1 as a Novel Diagnostic Biomarker for Bacterial Sepsis—Results From a Combinational Secondary Analysis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 267.	3.9	12
12	Phosphocholine-Modified Lipooligosaccharides of <i>Haemophilus influenzae</i> Inhibit ATP-Induced IL-1 β Release by Pulmonary Epithelial Cells. <i>Molecules</i> , 2018, 23, 1979.	3.8	11
13	Effects of echinocandin preparations on adult rat ventricular cardiomyocytes. <i>Der Anaesthetist</i> , 2014, 63, 129-134.	1.2	10
14	Longitudinal Evaluation of Plasma Concentrations of Presepsin in Patients after Severe Trauma: A Prospective Observational Study. <i>Surgical Infections</i> , 2018, 19, 480-487.	1.4	10
15	Sequential Analysis of Myeloperoxidase for Prediction of Adverse Events After Suspected Acute Coronary Ischemia. <i>Clinical Cardiology</i> , 2014, 37, 744-749.	1.8	9
16	Prospective evaluation of regional oxygen saturation to estimate central venous saturation in sepsis. <i>Journal of Clinical Monitoring and Computing</i> , 2015, 29, 443-453.	1.6	8
17	Role of the RAGE Axis during the Immune Response after Severe Trauma: A Prospective Pilot Study. <i>Mediators of Inflammation</i> , 2015, 2015, 1-9.	3.0	7
18	Comparison of the effect of membrane sizes and fibre arrangements of two membrane oxygenators on the inflammatory response, oxygenation and decarboxylation in a rat model of extracorporeal membrane oxygenation. <i>BMC Cardiovascular Disorders</i> , 2020, 20, 294.	1.7	7

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19	Impact of Abdominal Follow-Up Sonography in Trauma Patients Without Abdominal Parenchymal Organ Lesion or Free Intraabdominal Fluid in Whole-Body Computed Tomography. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2016, 189, 128-136.	1.3	6
20	Impact of unsuspected subsegmental pulmonary embolism in ICU patients. <i>Der Anaesthesist</i> , 2016, 65, 122-128.	1.2	6
21	Cardiac Effects of Echinocandins in Endotoxemic Rats. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 301-306.	3.2	5
22	Caspofungin Modulates Ryanodine Receptor-Mediated Calcium Release in Human Cardiac Myocytes. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	5
23	Trauma-Induced Long-Term Alterations of Human T Cells and Monocytes—Results of an Explorative, Cross-Sectional Study. <i>Shock</i> , 2020, 53, 35-42.	2.1	5
24	Evaluation of pulse wave transit time analysis for non-invasive cardiac output quantification in pregnant patients. <i>Scientific Reports</i> , 2020, 10, 1857.	3.3	5
25	Application of alpha1-antitrypsin in a rat model of veno-arterial extracorporeal membrane oxygenation. <i>Scientific Reports</i> , 2021, 11, 15849.	3.3	5
26	Caspofungin induces the release of Ca ²⁺ ions from internal stores by activating ryanodine receptor-dependent pathways in human tracheal epithelial cells. <i>Scientific Reports</i> , 2020, 10, 11723.	3.3	4
27	Ultrasound-accelerated thrombolysis in high-risk perioperative pulmonary embolism: two case reports and review of literature. <i>Perioperative Medicine (London, England)</i> , 2021, 10, 35.	1.5	3
28	Combined Administration of Fibrinogen and Factor XIII Concentrate Does Not Improve Dilutional Coagulopathy Superiorly Than Sole Fibrinogen Therapy: Results of an In-Vitro Thrombelastographic Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 2068.	2.4	2
29	Severe COVID-19 acute respiratory distress syndrome in an adult with single-ventricle physiology: a case report. <i>BMC Anesthesiology</i> , 2021, 21, 280.	1.8	2
30	Impact of the inspiratory oxygen fraction on the cardiac output during jugulo-femoral venoarterial extracorporeal membrane oxygenation in the rat. <i>BMC Cardiovascular Disorders</i> , 2022, 22, 174.	1.7	2
31	Minimized Extracorporeal Circulation Is Associated with Reduced Plasma Levels of Free-Circulating Mitochondrial DNA Compared to Conventional Cardiopulmonary Bypass: A Secondary Analysis of an Exploratory, Prospective, Interventional Study. <i>Journal of Clinical Medicine</i> , 2022, 11, 2994.	2.4	2
32	Microbiomic Analysis of Intra-Abdominal Infections by Using Denaturing High-Performance Liquid Chromatography: A Prospective Observational Study. <i>Surgical Infections</i> , 2017, 18, 596-602.	1.4	1
33	A case report of acute pulmonary hypertension after hyperthermic intraperitoneal chemotherapy (HIPEC) and review of the literature. <i>Annals of Medicine and Surgery</i> , 2018, 27, 26-31.	1.1	1
34	Hemodynamic changes in surgical intensive care unit patients undergoing echinocandin treatment. <i>International Journal of Clinical Pharmacy</i> , 2020, 42, 72-79.	2.1	1
35	Echinocandins Accelerate Particle Transport Velocity in the Murine Tracheal Epithelium: Dependency on Intracellular Ca ²⁺ Stores. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0066921.	3.2	1
36	The association of the anesthesiologist's academic and educational status with self-confidence, self-rated knowledge and objective knowledge in rational antibiotic application. <i>BMC Research Notes</i> , 2020, 13, 161.	1.4	0

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37	Cerebral Tissue Oxygen Saturation Is Enhanced in Patients following Transcatheter Aortic Valve Implantation: A Retrospective Study. <i>Journal of Clinical Medicine</i> , 2022, 11, 1930.	2.4	0
38	StudyAlert: From eCharts to Modern Messengers. <i>Studies in Health Technology and Informatics</i> , 2019, 264, 1643.	0.3	0
39	Chronic Lung Allograft Dysfunction Is Associated with Increased Levels of Cell-Free Mitochondrial DNA in Bronchoalveolar Lavage Fluid of Lung Transplant Recipients. <i>Journal of Clinical Medicine</i> , 2022, 11, 4142.	2.4	0