

Thorsten Brenner

List of Publications by Year in descending order

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Version: 2024-02-01

107
papers

2,953
citations

186265

28
h-index

197818

49
g-index

114
all docs

114
docs citations

114
times ranked

5400
citing authors

#	ARTICLE	IF	CITATIONS
1	Extended intensive care correlates with worsening of surgical outcome after elective abdominal aortic reconstruction. <i>Journal of Cardiovascular Surgery</i> , 2022, 62, .	0.6	1
2	Effect of therapeutic drug monitoring-based dose optimization of piperacillin/tazobactam on sepsis-related organ dysfunction in patients with sepsis: a randomized controlled trial. <i>Intensive Care Medicine</i> , 2022, 48, 311-321.	8.2	91
3	Concurrent Change in Serum Cholinesterase Activity and Midregional-Proadrenomedullin Level Could Predict Patient Outcome following Liver Transplantation. <i>Biomolecules</i> , 2022, 12, 989.	4.0	1
4	Neurological Manifestations of COVID-19 Feature T Cell Exhaustion and Dedifferentiated Monocytes in Cerebrospinal Fluid. <i>Immunity</i> , 2021, 54, 164-175.e6.	14.3	119
5	Observational cohort study of neurological involvement among patients with SARS-CoV-2 infection. <i>Therapeutic Advances in Neurological Disorders</i> , 2021, 14, 175628642199370.	3.5	26
6	Interleukin-3 is a predictive marker for severity and outcome during SARS-CoV-2 infections. <i>Nature Communications</i> , 2021, 12, 1112.	12.8	44
7	The Magnitude and Functionality of SARS-CoV-2 Reactive Cellular and Humoral Immunity in Transplant Population Is Similar to the General Population Despite Immunosuppression. <i>Transplantation</i> , 2021, 105, 2156-2164.	1.0	31
8	HBV-infection rate and long-term outcome after liver-transplantation of anti-HBc-positive liver-grafts to HBV-naïve recipients: A retrospective study. <i>Clinics and Research in Hepatology and Gastroenterology</i> , 2021, 45, 101496.	1.5	1
9	Next-Generation Sequencing-Based Decision Support for Intensivists in Difficult-to-Diagnose Disease States: A Case Report of Invasive Cerebral Aspergillosis. <i>A&A Practice</i> , 2021, 15, e01447.	0.4	5
10	Characteristics of Critically Ill Patients with COVID-19 Compared to Patients with Influenza—A Single Center Experience. <i>Journal of Clinical Medicine</i> , 2021, 10, 2056.	2.4	8
11	Prolonged Infusion of Î²-Lactams Decreases Mortality in Patients with Septic Shock: A Retrospective before-and-after Study. <i>Antibiotics</i> , 2021, 10, 687.	3.7	8
12	Point-of-care measured serum cholinesterase activity predicts patient outcome following severe burns. <i>Burns</i> , 2021, 47, 863-872.	1.9	7
13	Next-generation sequencing diagnostics of bacteremia in pediatric sepsis. <i>Medicine (United States)</i> , 2021, 100, e26403.	1.0	7
14	Effect of didecyl dimethyl ammonium chloride (DDAC)-impregnated washcloth wipe whole-body bathing on catheter-related bloodstream infections and central venous line-associated infections in adult intensive care units. <i>Clinical Microbiology and Infection</i> , 2021, , .	6.0	1
15	Fast-track anesthesia in lateral mini-thoracotomy for transapical transcatheter valve implantation. <i>Journal of Thoracic Disease</i> , 2021, 13, 4853-4863.	1.4	2
16	Machine learning identifies ICU outcome predictors in a multicenter COVID-19 cohort. <i>Critical Care</i> , 2021, 25, 295.	5.8	39
17	Optimization of sepsis therapy based on patient-specific digital precision diagnostics using next generation sequencing (DigiSep-Trial) study protocol for a randomized, controlled, interventional, open-label, multicenter trial. <i>Trials</i> , 2021, 22, 714.	1.6	10
18	Long-Term SARS-CoV-2 Specific Immunity Is Affected by the Severity of Initial COVID-19 and Patient Age. <i>Journal of Clinical Medicine</i> , 2021, 10, 4606.	2.4	9

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19	Hyperspectral imaging for perioperative monitoring of microcirculatory tissue oxygenation and tissue water content in pancreatic surgery – an observational clinical pilot study. <i>Perioperative Medicine (London, England)</i> , 2021, 10, 42.	1.5	12
20	Hyperspectral Imaging for the Evaluation of Microcirculatory Tissue Oxygenation and Perfusion Quality in Haemorrhagic Shock: A Porcine Study. <i>Biomedicines</i> , 2021, 9, 1829.	3.2	10
21	Population-Specific Metabolic Alterations in Professional Antigen-Presenting Cells Contribute to Sepsis-Associated Immunosuppression. <i>Shock</i> , 2020, 53, 5-15.	2.1	14
22	Robust T Cell Response Toward Spike, Membrane, and Nucleocapsid SARS-CoV-2 Proteins Is Not Associated with Recovery in Critical COVID-19 Patients. <i>Cell Reports Medicine</i> , 2020, 1, 100092.	6.5	148
23	Delta-Like Canonical Notch Ligand 1 in Patients Following Liver Transplantation – A Secondary Analysis of a Prospective Cohort Study. <i>Diagnostics</i> , 2020, 10, 894.	2.6	3
24	COVID-19-Induced ARDS Is Associated with Decreased Frequency of Activated Memory/Effector T Cells Expressing CD11a ⁺ . <i>Molecular Therapy</i> , 2020, 28, 2691-2702.	8.2	35
25	Therapy limitation in octogenarians in German intensive care units is associated with a longer length of stay and increased 30-day mortality: A prospective multicenter study. <i>Journal of Critical Care</i> , 2020, 60, 58-63.	2.2	8
26	Impaired Cytotoxic CD8 ⁺ T Cell Response in Elderly COVID-19 Patients. <i>MBio</i> , 2020, 11, .	4.1	108
27	Bedside hyperspectral imaging for the evaluation of microcirculatory alterations in perioperative intensive care medicine: a study protocol for an observational clinical pilot study (HySpl-ICU). <i>BMJ Open</i> , 2020, 10, e035742.	1.9	9
28	Soluble intercellular adhesion molecule (ICAM)-1 detects invasive fungal infections in patients following liver transplantation. <i>Biomarkers</i> , 2020, 25, 548-555.	1.9	2
29	Glomerular filtration barrier dysfunction in a self-limiting, RNA virus-induced glomerulopathy resembles findings in idiopathic nephrotic syndromes. <i>Scientific Reports</i> , 2020, 10, 19117.	3.3	13
30	Sedation-related complications during anesthesiologist-administered sedation for endoscopic retrograde cholangiopancreatography: a prospective study. <i>BMC Anesthesiology</i> , 2020, 20, 131.	1.8	9
31	Rapid Next-Generation Sequencing – Based Diagnostics of Bacteremia in Septic Patients. <i>Journal of Molecular Diagnostics</i> , 2020, 22, 405-418.	2.8	55
32	Soluble Intercellular Adhesion Molecule- (sICAM-) 1, Thrombospondin-1, and Vinculin for the Identification of Septic Shock Patients Suffering from an Invasive Fungal Infection. <i>Mediators of Inflammation</i> , 2020, 2020, 1-13.	3.0	2
33	Pulmonary microbiome patterns correlate with the course of disease in patients with sepsis-induced ARDS following major abdominal surgery. <i>Journal of Hospital Infection</i> , 2020, 105, 438-446.	2.9	18
34	Effect of moderate elevated intra-abdominal pressure on lung mechanics and histological lung injury at different positive end-expiratory pressures. <i>PLoS ONE</i> , 2020, 15, e0230830.	2.5	3
35	Title is missing!. , 2020, 15, e0230830.		0
36	Title is missing!. , 2020, 15, e0230830.		0

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37	Title is missing!. , 2020, 15, e0230830.		0
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40	Title is missing!. , 2020, 15, e0230830.		0
41	Title is missing!. , 2020, 15, e0230830.		0
42	Title is missing!. , 2020, 15, e0230830.		0
43	Host-Derived Delta-Like Canonical Notch Ligand 1 as a Novel Diagnostic Biomarker for Bacterial Sepsisâ€”Results From a Combinational Secondary Analysis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 267.	3.9	12
44	Bedside-measurement of serum cholinesterase activity predicts patient morbidity and length of the intensive care unit stay following major traumatic injury. <i>Scientific Reports</i> , 2019, 9, 10437.	3.3	12
45	Acute fibrinolysis shutdown occurs early in septic shock and is associated with increased morbidity and mortality: results of an observational pilot study. <i>Annals of Intensive Care</i> , 2019, 9, 19.	4.6	145
46	Therapeutic drug monitoring-guided continuous infusion of piperacillin/tazobactam significantly improves pharmacokinetic target attainment in critically ill patients: a retrospective analysis of four years of clinical experience. <i>Infection</i> , 2019, 47, 1001-1011.	4.7	66
47	Enhanced Performance of Next-Generation Sequencing Diagnostics Compared With Standard of Care Microbiological Diagnostics in Patients Suffering From Septic Shock. <i>Critical Care Medicine</i> , 2019, 47, e394-e402.	0.9	69
48	Response to: Comment on “A Sustained Reduction in Serum Cholinesterase Enzyme Activity Predicts Patient Outcome following Sepsisâ€”. <i>Mediators of Inflammation</i> , 2019, 2019, 1-2.	3.0	0
49	FP313CELL CYCLE BIOMARKERS AND SUPAR OUTPERFORM STANDARD PARAMETERS FOR THE PREDICTION OF SEPSIS-INDUCED ACUTE KIDNEY INJURY REQUIRING RENAL REPLACEMENT THERAPY. <i>Nephrology Dialysis Transplantation</i> , 2019, 34, .	0.7	0
50	Peridural analgesia does not impact survival in patients after colon cancer resection: a retrospective propensity score-adjusted analysis. <i>International Journal of Colorectal Disease</i> , 2019, 34, 1283-1293.	2.2	7
51	Monocyte HLA-DR Assessment by a Novel Point-of-Care Device Is Feasible for Early Identification of ICU Patients With Complicated Coursesâ€”A Proof-of-Principle Study. <i>Frontiers in Immunology</i> , 2019, 10, 432.	4.8	19
52	New approaches for the detection of invasive fungal diseases in patients following liver transplantationâ€”results of an observational clinical pilot study. <i>Langenbeck's Archives of Surgery</i> , 2019, 404, 309-325.	1.9	11
53	Effect of physostigmine on recovery from septic shock following intra-abdominal infection â€” Results from a randomized, double-blind, placebo-controlled, monocentric pilot trial (AnticholiniumÂ® per Se). <i>Journal of Critical Care</i> , 2019, 52, 126-135.	2.2	7
54	Gut microbiome patterns correlate with higher postoperative complication rates after pancreatic surgery. <i>BMC Microbiology</i> , 2019, 19, 42.	3.3	40

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55	Association of Immune Cell Subtypes and Phenotype With Subsequent Invasive Candidiasis in Patients With Abdominal Sepsis. <i>Shock</i> , 2019, 52, 191-197.	2.1	7
56	Cell Cycle Biomarkers and Soluble Urokinase-Type Plasminogen Activator Receptor for the Prediction of Sepsis-Induced Acute Kidney Injury Requiring Renal Replacement Therapy: A Prospective, Exploratory Study. <i>Critical Care Medicine</i> , 2019, 47, e999-e1007.	0.9	20
57	Multidrug-Resistant Bacteria and Disease Progression in Patients with End-Stage Liver Disease and after Liver Transplantation. <i>Journal of Gastrointestinal and Liver Diseases</i> , 2019, 28, 303-310.	0.9	8
58	Cell cycle arrest and cell death correlate with the extent of ischaemia and reperfusion injury in patients following kidney transplantation - results of an observational pilot study. <i>Transplant International</i> , 2018, 31, 751-760.	1.6	3
59	Next-generation sequencing diagnostics of bacteremia in sepsis (Next GeneSiS-Trial). <i>Medicine (United Tj ETQq1</i> 1,0,784314,rgBT /O	1.0	50
60	Reply to Truffot et al. <i>Clinical Infectious Diseases</i> , 2018, 66, 1644-1646.	5.8	0
61	GTS-21 reduces microvascular permeability during experimental endotoxemia. <i>Microvascular Research</i> , 2018, 115, 75-82.	2.5	3
62	Postoperative pancreatic fistula: Microbial growth determines outcome. <i>Surgery</i> , 2018, 164, 1185-1190.	1.9	33
63	A Sustained Reduction in Serum Cholinesterase Enzyme Activity Predicts Patient Outcome following Sepsis. <i>Mediators of Inflammation</i> , 2018, 2018, 1-10.	3.0	31
64	Ablation of the Right Cardiac Vagus Nerve Reduces Acetylcholine Content without Changing the Inflammatory Response during Endotoxemia. <i>International Journal of Molecular Sciences</i> , 2018, 19, 442.	4.1	6
65	Clinical Frailty Scale (CFS) reliably stratifies octogenarians in German ICUs: a multicentre prospective cohort study. <i>BMC Geriatrics</i> , 2018, 18, 162.	2.7	54
66	The impact of major extended donor criteria on graft failure and patient mortality after liver transplantation. <i>Langenbeck's Archives of Surgery</i> , 2018, 403, 719-731.	1.9	31
67	Soluble TREM-1 as a diagnostic and prognostic biomarker in patients with septic shock: an observational clinical study. <i>Biomarkers</i> , 2017, 22, 63-69.	1.9	45
68	The role of unfractionated heparin for the antiaggregatory effect of aspirin in patients undergoing carotid endarterectomy: Results of an observational clinical study. <i>Vascular</i> , 2017, 25, 19-27.	0.9	1
69	Therapeutic drug monitoring of beta-lactam antibiotics – Influence of sample stability on the analysis of piperacillin, meropenem, ceftazidime and flucloxacillin by HPLC-UV. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 143, 86-93.	2.8	60
70	Significant decrease of mortality due to anastomotic leaks following esophageal resection: management makes the difference. <i>Langenbeck's Archives of Surgery</i> , 2017, 402, 1167-1173.	1.9	6
71	Data on microcirculatory parameters of GTS- 21 treated rats assessed by intravital microscopy. <i>Data in Brief</i> , 2017, 15, 228-233.	1.0	1
72	Reduced serum cholinesterase activity indicates splenic modulation of the sterile inflammation. <i>Journal of Surgical Research</i> , 2017, 220, 275-283.	1.6	21

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73	Advanced glycation endproducts induce self- and cross-tolerance in monocytes. <i>Inflammation Research</i> , 2017, 66, 961-968.	4.0	4
74	Does acid-base equilibrium correlate with remnant liver volume during stepwise liver resection?. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, G313-G319.	3.4	3
75	Suspected Malignant Hyperthermia During Biventricular Assist Device Implantation in a Patient With Left Ventricular Noncompaction Cardiomyopathy. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2017, 31, 1025-1031.	1.3	4
76	Comparison of Two Miniaturized Cardiopulmonary Bypass Systems Regarding Inflammatory Response. <i>Artificial Organs</i> , 2017, 41, 139-145.	1.9	15
77	Hemophagocytic lymphohistiocytosis in an adult kidney transplant recipient successfully treated by plasmapheresis. <i>Medicine (United States)</i> , 2017, 96, e9283.	1.0	27
78	Immune-Response Patterns and Next Generation Sequencing Diagnostics for the Detection of Mycoses in Patients with Septic Shock—Results of a Combined Clinical and Experimental Investigation. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1796.	4.1	52
79	The Glyoxalase System and Methylglyoxal-Derived Carbonyl Stress in Sepsis: Glycotoxic Aspects of Sepsis Pathophysiology. <i>International Journal of Molecular Sciences</i> , 2017, 18, 657.	4.1	25
80	Issues of Acute Kidney Injury Staging and Management in Sepsis and Critical Illness: A Narrative Review. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1387.	4.1	26
81	Adjunctive use of physostigmine salicylate (Anticholium®) in perioperative sepsis and septic shock: study protocol for a randomized, double-blind, placebo-controlled, monocentric trial (Anticholium®) Tj ETQq1 1 0J84314 r9BT /Ove		
82	Reduced butyrylcholinesterase activity is an early indicator of trauma-induced acute systemic inflammatory response. <i>Journal of Inflammation Research</i> , 2016, Volume 9, 221-230.	3.5	36
83	Why a second look might be worth it: immuno-modulatory therapies in the critically ill patient. <i>Journal of Thoracic Disease</i> , 2016, 8, E424-E430.	1.4	6
84	Pathogenic, immunologic, and clinical aspects of sepsis — update 2016. <i>Expert Review of Anti-Infective Therapy</i> , 2016, 14, 917-927.	4.4	10
85	Next-generation sequencing diagnostics of bacteremia in septic patients. <i>Genome Medicine</i> , 2016, 8, 73.	8.2	265
86	RAGE-mediated inflammation in patients with septic shock. <i>Journal of Surgical Research</i> , 2016, 202, 315-327.	1.6	15
87	Potential diagnostic markers for disseminated intravascular coagulation of sepsis. <i>Blood Reviews</i> , 2016, 30, 149-155.	5.7	41
88	Muscarinic M1 receptors modulate endotoxemia-induced loss of synaptic plasticity. <i>Acta Neuropathologica Communications</i> , 2015, 3, 67.	5.2	15
89	Relevance of <i>Candida</i> and other mycoses for morbidity and mortality in severe sepsis and septic shock due to peritonitis. <i>Mycoses</i> , 2015, 58, 399-407.	4.0	16
90	Reduced Serum Butyrylcholinesterase Activity Indicates Severe Systemic Inflammation in Critically Ill Patients. <i>Mediators of Inflammation</i> , 2015, 2015, 1-11.	3.0	43

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91	Role of the RAGE Axis during the Immune Response after Severe Trauma: A Prospective Pilot Study. Mediators of Inflammation, 2015, 2015, 1-9.	3.0	7
92	Interleukin-3 amplifies acute inflammation and is a potential therapeutic target in sepsis. Science, 2015, 347, 1260-1265.	12.6	265
93	Cytidine-5-diphosphocholine reduces microvascular permeability during experimental endotoxemia. BMC Anesthesiology, 2015, 15, 114.	1.8	9
94	Time-dependent effect of clonidine on microvascular permeability during endotoxemia. Microvascular Research, 2015, 101, 111-117.	2.5	9
95	Are there new approaches for diagnosis, therapy guidance and outcome prediction of sepsis?. World Journal of Experimental Medicine, 2015, 5, 50.	1.7	21
96	Methylglyoxal as a new biomarker in patients with septic shock: an observational clinical study. Critical Care, 2014, 18, 683.	5.8	34
97	ChronoQuery: visual modelling of temporal queries for real-time decision support. Studies in Health Technology and Informatics, 2014, 205, 93-7.	0.3	0
98	Reactive Metabolites and AGE-RAGE-Mediated Inflammation in Patients following Liver Transplantation. Mediators of Inflammation, 2013, 2013, 1-10.	3.0	15
99	L-Arginine and Asymmetric Dimethylarginine Are Early Predictors for Survival in Septic Patients with Acute Liver Failure. Mediators of Inflammation, 2012, 2012, 1-11.	3.0	27
100	Predictors of survival in sepsis. Current Opinion in Infectious Diseases, 2012, 25, 328-336.	3.1	67
101	Cell Death Biomarkers as Early Predictors for Hepatic Dysfunction in Patients After Orthotopic Liver Transplantation. Transplantation, 2012, 94, 185-191.	1.0	12
102	Viscoelastic and aggregometric point-of-care testing in patients with septic shock – crosslinks between inflammation and haemostasis. Acta Anaesthesiologica Scandinavica, 2012, 56, 1277-1290.	1.6	82
103	Viral Infections in Septic Shock (VISS-Trial) – Crosslinks Between Inflammation and Immunosuppression. Journal of Surgical Research, 2012, 176, 571-582.	1.6	26
104	Rapid-Onset Acute Respiratory Distress Syndrome (ARDS) in a Patient Undergoing Metastatic Liver Resection: A Case Report and Review of the Literature. Anesthesiology Research and Practice, 2010, 2010, 1-9.	0.7	7
105	Redox Responses in Patients with Sepsis: High Correlation of Thioredoxin-1 and Macrophage Migration Inhibitory Factor Plasma Levels. Mediators of Inflammation, 2010, 2010, 1-8.	3.0	17
106	Macrophage Migration Inhibitory Factor (MIF) and Manganese Superoxide Dismutase (MnSOD) as Early Predictors for Survival in Patients with Severe Sepsis or Septic Shock. Journal of Surgical Research, 2010, 164, e163-e171.	1.6	26
107	Cell death serum biomarkers are early predictors for survival in severe septic patients with hepatic dysfunction. Critical Care, 2009, 13, R93.	5.8	65