

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	Interleukin-3 amplifies acute inflammation and is a potential therapeutic target in sepsis. <i>Science</i> , 2015, 347, 1260-1265.	12.6	265
2	Next-generation sequencing diagnostics of bacteremia in septic patients. <i>Genome Medicine</i> , 2016, 8, 73.	8.2	265
3	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
4	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
5	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
6	Impaired Cytotoxic CD8 ⁺ T Cell Response in Elderly COVID-19 Patients. <i>MBio</i> , 2020, 11, .	4.1	108
7	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
8	Viscoelastic and aggregometric point-of-care testing in patients with septic shock – cross-links between inflammation and haemostasis. <i>Acta Anaesthesiologica Scandinavica</i> , 2012, 56, 1277-1290.	1.6	82
9	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
10	Predictors of survival in sepsis. <i>Current Opinion in Infectious Diseases</i> , 2012, 25, 328-336.	3.1	67
11	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
12	Cell death serum biomarkers are early predictors for survival in severe septic patients with hepatic dysfunction. <i>Critical Care</i> , 2009, 13, R93.	5.8	65
13	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
14	Rapid Next-Generation Sequencing-Based Diagnostics of Bacteremia in Septic Patients. <i>Journal of Molecular Diagnostics</i> , 2020, 22, 405-418.	2.8	55
15	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
16	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
17	Next-generation sequencing diagnostics of bacteremia in sepsis (Next GeneSiS-Trial). <i>Medicine (United Tj ETQq1</i>	1.0	50
18	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

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19	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
20	Reduced Serum Butyrylcholinesterase Activity Indicates Severe Systemic Inflammation in Critically Ill Patients. <i>Mediators of Inflammation</i> , 2015, 2015, 1-11.	3.0	43
21	Potential diagnostic markers for disseminated intravascular coagulation of sepsis. <i>Blood Reviews</i> , 2016, 30, 149-155.	5.7	41
22	Gut microbiome patterns correlate with higher postoperative complication rates after pancreatic surgery. <i>BMC Microbiology</i> , 2019, 19, 42.	3.3	40
23	Machine learning identifies ICU outcome predictors in a multicenter COVID-19 cohort. <i>Critical Care</i> , 2021, 25, 295.	5.8	39
24	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
25	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
26	Methylglyoxal as a new biomarker in patients with septic shock: an observational clinical study. <i>Critical Care</i> , 2014, 18, 683.	5.8	34
27	Postoperative pancreatic fistula: Microbial growth determines outcome. <i>Surgery</i> , 2018, 164, 1185-1190.	1.9	33
28	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
29	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
30	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
31	L-Arginine and Asymmetric Dimethylarginine Are Early Predictors for Survival in Septic Patients with Acute Liver Failure. <i>Mediators of Inflammation</i> , 2012, 2012, 1-11.	3.0	27
32	Hemophagocytic lymphohistiocytosis in an adult kidney transplant recipient successfully treated by plasmapheresis. <i>Medicine (United States)</i> , 2017, 96, e9283.	1.0	27
33	Macrophage Migration Inhibitory Factor (MIF) and Manganese Superoxide Dismutase (MnSOD) as Early Predictors for Survival in Patients with Severe Sepsis or Septic Shock. <i>Journal of Surgical Research</i> , 2010, 164, e163-e171.	1.6	26
34	Viral Infections in Septic Shock (VISS-Trial) – Crosslinks Between Inflammation and Immunosuppression. <i>Journal of Surgical Research</i> , 2012, 176, 571-582.	1.6	26
35	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
36	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

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37	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
38	Reduced serum cholinesterase activity indicates splenic modulation of the sterile inflammation. <i>Journal of Surgical Research</i> , 2017, 220, 275-283.	1.6	21
39	Are there new approaches for diagnosis, therapy guidance and outcome prediction of sepsis?. <i>World Journal of Experimental Medicine</i> , 2015, 5, 50.	1.7	21
40	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
41	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
42	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
43	Redox Responses in Patients with Sepsis: High Correlation of Thioredoxin-1 and Macrophage Migration Inhibitory Factor Plasma Levels. <i>Mediators of Inflammation</i> , 2010, 2010, 1-8.	3.0	17
44	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
45	Reactive Metabolites and AGE-RAGE-Mediated Inflammation in Patients following Liver Transplantation. <i>Mediators of Inflammation</i> , 2013, 2013, 1-10.	3.0	15
46	Muscarinic M1 receptors modulate endotoxemia-induced loss of synaptic plasticity. <i>Acta Neuropathologica Communications</i> , 2015, 3, 67.	5.2	15
47	RAGE-mediated inflammation in patients with septic shock. <i>Journal of Surgical Research</i> , 2016, 202, 315-327.	1.6	15
48	Comparison of Two Miniaturized Cardiopulmonary Bypass Systems Regarding Inflammatory Response. <i>Artificial Organs</i> , 2017, 41, 139-145.	1.9	15
49	Population-Specific Metabolic Alterations in Professional Antigen-Presenting Cells Contribute to Sepsis-Associated Immunosuppression. <i>Shock</i> , 2020, 53, 5-15.	2.1	14
50	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
51	Cell Death Biomarkers as Early Predictors for Hepatic Dysfunction in Patients After Orthotopic Liver Transplantation. <i>Transplantation</i> , 2012, 94, 185-191.	1.0	12
52	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
53	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
54	Hyperspectral imaging for perioperative monitoring of microcirculatory tissue oxygenation and tissue water content in pancreatic surgery â€” an observational clinical pilot study. <i>Perioperative Medicine (London, England)</i> , 2021, 10, 42.	1.5	12

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55	New approaches for the detection of invasive fungal diseases in patients following liver transplantation—results of an observational clinical pilot study. <i>Langenbeck's Archives of Surgery</i> , 2019, 404, 309-325.	1.9	11
56	Pathogenic, immunologic, and clinical aspects of sepsis — update 2016. <i>Expert Review of Anti-Infective Therapy</i> , 2016, 14, 917-927.	4.4	10
57	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
58	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
59	Cytidine-5-diphosphocholine reduces microvascular permeability during experimental endotoxemia. <i>BMC Anesthesiology</i> , 2015, 15, 114.	1.8	9
60	Time-dependent effect of clonidine on microvascular permeability during endotoxemia. <i>Microvascular Research</i> , 2015, 101, 111-117.	2.5	9
61	Adjunctive use of physostigmine salicylate (Anticholinum®) in perioperative sepsis and septic shock: study protocol for a randomized, double-blind, placebo-controlled, monocentric trial (Anticholinum®) Tj ETQq1 1 0.784314 rgBT /Ove		
62	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
63	Sedation-related complications during anesthesiologist-administered sedation for endoscopic retrograde cholangiopancreatography: a prospective study. <i>BMC Anesthesiology</i> , 2020, 20, 131.	1.8	9
64	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
65	Therapy limitation in octogenarians in German intensive care units is associated with a longer length of stay and increased 30-days mortality: A prospective multicenter study. <i>Journal of Critical Care</i> , 2020, 60, 58-63.	2.2	8
66	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
67	Prolonged Infusion of β -Lactams Decreases Mortality in Patients with Septic Shock: A Retrospective before-and-after Study. <i>Antibiotics</i> , 2021, 10, 687.	3.7	8
68	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
69	Rapid-Onset Acute Respiratory Distress Syndrome (ARDS) in a Patient Undergoing Metastatic Liver Resection: A Case Report and Review of the Literature. <i>Anesthesiology Research and Practice</i> , 2010, 2010, 1-9.	0.7	7
70	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
71	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
72	Effect of physostigmine on recovery from septic shock following intra-abdominal infection — Results from a randomized, double-blind, placebo-controlled, monocentric pilot trial (Anticholinum® per Se). <i>Journal of Critical Care</i> , 2019, 52, 126-135.	2.2	7

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73	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
74	Point-of-care measured serum cholinesterase activity predicts patient outcome following severe burns. <i>Burns</i> , 2021, 47, 863-872.	1.9	7
75	Next-generation sequencing diagnostics of bacteremia in pediatric sepsis. <i>Medicine (United States)</i> , 2021, 100, e26403.	1.0	7
76	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
77	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
78	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
79	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
80	Advanced glycation endproducts induce self- and cross-tolerance in monocytes. <i>Inflammation Research</i> , 2017, 66, 961-968.	4.0	4
81	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
82	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
83	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
84	GTS-21 reduces microvascular permeability during experimental endotoxemia. <i>Microvascular Research</i> , 2018, 115, 75-82.	2.5	3
85	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
86	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
87	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
88	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
89	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
90	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

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91	Data on microcirculatory parameters of GTS- 21 treated rats assessed by intravital microscopy. Data in Brief, 2017, 15, 228-233.	1.0	1
92	HBV-infection rate and long-term outcome after liver-transplantation of anti-HBc-positive liver-grafts to HBV-naïve recipients: A retrospective study. Clinics and Research in Hepatology and Gastroenterology, 2021, 45, 101496.	1.5	1
93	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. Clinical Microbiology and Infection, 2021, , .	6.0	1
94	Extended intensive care correlates with worsening of surgical outcome after elective abdominal aortic reconstruction. Journal of Cardiovascular Surgery, 2022, 62, .	0.6	1
95	Concurrent Change in Serum Cholinesterase Activity and Midregional-Proadrenomedullin Level Could Predict Patient Outcome following Liver Transplantation. Biomolecules, 2022, 12, 989.	4.0	1
96	Reply to Truffot et al. Clinical Infectious Diseases, 2018, 66, 1644-1646.	5.8	0
97	Response to: Comment on "A Sustained Reduction in Serum Cholinesterase Enzyme Activity Predicts Patient Outcome following Sepsis" Mediators of Inflammation, 2019, 2019, 1-2.	3.0	0
98	FP313CELL CYCLE BIOMARKERS AND SUPAR OUTPERFORM STANDARD PARAMETERS FOR THE PREDICTION OF SEPSIS-INDUCED ACUTE KIDNEY INJURY REQUIRING RENAL REPLACEMENT THERAPY. Nephrology Dialysis Transplantation, 2019, 34, .	0.7	0
99	ChronoQuery: visual modelling of temporal queries for real-time decision support. Studies in Health Technology and Informatics, 2014, 205, 93-7.	0.3	0
100	Title is missing!. , 2020, 15, e0230830.		0
101	Title is missing!. , 2020, 15, e0230830.		0
102	Title is missing!. , 2020, 15, e0230830.		0
103	Title is missing!. , 2020, 15, e0230830.		0
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106	Title is missing!. , 2020, 15, e0230830.		0
107	Title is missing!. , 2020, 15, e0230830.		0