

Michael Bauer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3123742/publications.pdf>

Version: 2024-02-01

322
papers

31,783
citations

17440

63
h-index

5120

166
g-index

376
all docs

376
docs citations

376
times ranked

34001
citing authors

#	ARTICLE	IF	CITATIONS
1	The Third International Consensus Definitions for Sepsis and Septic Shock (Sepsis-3). JAMA - Journal of the American Medical Association, 2016, 315, 801.	7.4	16,554
2	The heme oxygenase " carbon monoxide system: regulation and role in stress response and organ failure. Intensive Care Medicine, 2008, 34, 640-648.	8.2	603
3	Incidence of severe critical events in paediatric anaesthesia (APRICOT): a prospective multicentre observational study in 261 hospitals in Europe. Lancet Respiratory Medicine, the, 2017, 5, 412-425.	10.7	502
4	New Approaches to Sepsis: Molecular Diagnostics and Biomarkers. Clinical Microbiology Reviews, 2012, 25, 609-634.	13.6	408
5	The COVID-19 puzzle: deciphering pathophysiology and phenotypes of a new disease entity. Lancet Respiratory Medicine, the, 2021, 9, 622-642.	10.7	371
6	Survival in Critical Illness Is Associated with Early Activation of Mitochondrial Biogenesis. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 745-751.	5.6	370
7	The late phase of sepsis is characterized by an increased microbiological burden and death rate. Critical Care, 2011, 15, R183.	5.8	334
8	Implementation of an evidence-based "standard operating procedure" and outcome in septic shock*. Critical Care Medicine, 2006, 34, 943-949.	0.9	302
9	Genome-wide association study reveals two new risk loci for bipolar disorder. Nature Communications, 2014, 5, 3339.	12.8	294
10	Mortality in sepsis and septic shock in Europe, North America and Australia between 2009 and 2019" results from a systematic review and meta-analysis. Critical Care, 2020, 24, 239.	5.8	285
11	Heme Oxygenase-1: Redox Regulation and Role in the Hepatic Response to Oxidative Stress. Antioxidants and Redox Signaling, 2002, 4, 749-758.	5.4	233
12	Selective Upregulation of Endothelin B Receptor Gene Expression in Severe Pulmonary Hypertension. Circulation, 2002, 105, 1034-1036.	1.6	210
13	Metabolic Adaptation Establishes Disease Tolerance to Sepsis. Cell, 2017, 169, 1263-1275.e14.	28.9	207
14	Current gaps in sepsis immunology: new opportunities for translational research. Lancet Infectious Diseases, The, 2019, 19, e422-e436.	9.1	205
15	A microfluidically perfused three dimensional human liver model. Biomaterials, 2015, 71, 119-131.	11.4	192
16	Impact of plasma histones in human sepsis and their contribution to cellular injury and inflammation. Critical Care, 2014, 18, 543.	5.8	173
17	Expression pattern of heme oxygenase isoenzymes 1 and 2 in normal and stress-exposed rat liver. Hepatology, 1998, 27, 829-838.	7.3	164
18	Liver Dysfunction and Phosphatidylinositol-3-Kinase Signalling in Early Sepsis: Experimental Studies in Rodent Models of Peritonitis. PLoS Medicine, 2012, 9, e1001338.	8.4	152

#	ARTICLE	IF	CITATIONS
19	Protective role of endogenous carbon monoxide in hepatic microcirculatory dysfunction after hemorrhagic shock in rats.. Journal of Clinical Investigation, 1998, 102, 1220-1228.	8.2	151
20	Time course and relationship between plasma selenium concentrations, systemic inflammatory response, sepsis, and multiorgan failure. British Journal of Anaesthesia, 2007, 98, 775-784.	3.4	146
21	Minimum Quality Threshold in Pre-Clinical Sepsis Studies (MQTiPSS): An International Expert Consensus Initiative for Improvement of Animal Modeling in Sepsis. Shock, 2018, 50, 377-380.	2.1	141
22	Redefining critical illness. Nature Medicine, 2022, 28, 1141-1148.	30.7	136
23	Glucocorticoid receptor dimerization is required for survival in septic shock <i>via</i> suppression of interleukinâ€1 in macrophages. FASEB Journal, 2012, 26, 722-729.	0.5	135
24	A multicenter trial to compare blood culture with polymerase chain reaction in severe human sepsis. Intensive Care Medicine, 2010, 36, 241-247.	8.2	130
25	Effects of fluid resuscitation with synthetic colloids or crystalloids alone on shock reversal, fluid balance, and patient outcomes in patients with severe sepsis. Critical Care Medicine, 2012, 40, 2543-2551.	0.9	130
26	Anti-platelet drugs and outcome in severe infection: Clinical impact and underlying mechanisms. Platelets, 2009, 20, 50-57.	2.3	129
27	Omega-3 fatty acids lower blood pressure by directly activating large-conductance Ca ²⁺ -dependent K ⁺ channels. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4816-4821.	7.1	125
28	Transcriptomic and Proteomic Patterns of Systemic Inflammation in On-Pump and Off-Pump Coronary Artery Bypass Grafting. Circulation, 2005, 112, 2912-2920.	1.6	124
29	How to assess liver function?. Current Opinion in Critical Care, 2010, 16, 136-141.	3.2	120
30	Renal effects of synthetic colloids and crystalloids in patients with severe sepsis: A prospective sequential comparison*. Critical Care Medicine, 2011, 39, 1335-1342.	0.9	113
31	Antiplatelet drugs and outcome in mixed admissions to an intensive care unit*. Critical Care Medicine, 2010, 38, 32-37.	0.9	111
32	Role of endothelins and nitric oxide in hepatic reperfusion injury in the rat. Hepatology, 1998, 27, 755-764.	7.3	110
33	The Efficacy and Safety of Colloid Resuscitation in the Critically Ill. Anesthesia and Analgesia, 2011, 112, 156-164.	2.2	108
34	Effect of Intravenous Anesthetics on Spontaneous and Endotoxin-stimulated Cytokine Response in Cultured Human Whole Blood. Anesthesiology, 1998, 89, 1218-1227.	2.5	105
35	Toward a Spectroscopic Hemogram: Raman Spectroscopic Differentiation of the Two Most Abundant Leukocytes from Peripheral Blood. Analytical Chemistry, 2012, 84, 5335-5342.	6.5	103
36	Characteristics of Clinical Sepsis Reflected in a Reliable and Reproducible Rodent Sepsis Model. Journal of Surgical Research, 2011, 170, e123-e134.	1.6	98

#	ARTICLE	IF	CITATIONS
37	Combined Dielectrophoresisâ€“Raman Setup for the Classification of Pathogens Recovered from the Urinary Tract. <i>Analytical Chemistry</i> , 2013, 85, 10717-10724.	6.5	97
38	Perioperative Fluid Therapy With Tetrastarch and Gelatin in Cardiac Surgeryâ€“A Prospective Sequential Analysis*. <i>Critical Care Medicine</i> , 2013, 41, 2532-2542.	0.9	96
39	Intravascular volume therapy in adults. <i>European Journal of Anaesthesiology</i> , 2016, 33, 488-521.	1.7	95
40	Anemia and blood transfusion in a surgical intensive care unit. <i>Critical Care</i> , 2010, 14, R92.	5.8	94
41	Differential expression pattern of heme oxygenase-1/heat shock protein 32 and nitric oxide synthase-II and their impact on liver injury in a rat model of hemorrhage and resuscitation. <i>Critical Care Medicine</i> , 1999, 27, 2766-2775.	0.9	92
42	Variations in the ratio between von Willebrand factor and its cleaving protease during systemic inflammation and association with severity and prognosis of organ failure. <i>Thrombosis and Haemostasis</i> , 2009, 101, 239-247.	3.4	91
43	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
44	Functional significance of endothelin B receptors in mediating sinusoidal and extrasinusoidal effects of endothelins in the intact rat liver. <i>Hepatology</i> , 2000, 31, 937-947.	7.3	90
45	Recovery of hepatocellular ATP and â€œpericentral apoptosisâ€“after hemorrhage and resuscitation. <i>FASEB Journal</i> , 2003, 17, 993-1002.	0.5	88
46	Low and â€œsupranormalâ€“central venous oxygen saturation and markers of tissue hypoxia in cardiac surgery patients: a prospective observational study. <i>Intensive Care Medicine</i> , 2011, 37, 52-59.	8.2	87
47	Early postmortem mapping of SARS-CoV-2 RNA in patients with COVID-19 and the correlation with tissue damage. <i>ELife</i> , 2021, 10, .	6.0	87
48	Metabolite Profiles in Sepsis: Developing Prognostic Tools Based on the Type of Infection*. <i>Critical Care Medicine</i> , 2016, 44, 1649-1662.	0.9	86
49	Coronavirus disease 2019 (COVID-19): update for anesthesiologists and intensivists March 2020. <i>Der Anaesthetist</i> , 2021, 70, 1-10.	1.2	83
50	Evaluation of a Polymerase Chain Reaction Assay for Pathogen Detection in Septic Patients under Routine Condition: An Observational Study. <i>PLoS ONE</i> , 2012, 7, e46003.	2.5	78
51	Cytokine Response to Pulmonary Thromboendarterectomy. <i>Chest</i> , 2004, 126, 135-141.	0.8	76
52	Differential regulation of hepatic arterial and portal venous vascular resistance by nitric oxide and carbon monoxide in rats. <i>Life Sciences</i> , 1998, 62, 2025-2033.	4.3	75
53	Chronic ethanol consumption increases hepatic sinusoidal contractile response to endothelin-1 in the rat. <i>Hepatology</i> , 1995, 22, 1565-1576.	7.3	74
54	PROSPECTIVE ASSESSMENT OF HEPATIC FUNCTION AND MECHANISMS OF DYSFUNCTION IN THE CRITICALLY ILL. <i>Shock</i> , 2009, 32, 358-365.	2.1	73

#	ARTICLE	IF	CITATIONS
55	The liver in sepsis. <i>Current Opinion in Critical Care</i> , 2013, 19, 123-127.	3.2	73
56	Intracellular immune sensing promotes inflammation via gasdermin D-driven release of a lectin alarmin. <i>Nature Immunology</i> , 2021, 22, 154-165.	14.5	73
57	<i>Streptococcus pneumoniae</i> triggers progression of pulmonary fibrosis through pneumolysin. <i>Thorax</i> , 2015, 70, 636-646.	5.6	71
58	Infliximab against severe COVID-19-induced cytokine storm syndrome with organ failure—a cautionary case series. <i>Critical Care</i> , 2020, 24, 444.	5.8	71
59	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) and the neuroendocrine stress axis. <i>Molecular Psychiatry</i> , 2020, 25, 1611-1617.	7.9	70
60	Elevated hepatic chemerin mRNA expression in human non-alcoholic fatty liver disease. <i>European Journal of Endocrinology</i> , 2013, 169, 547-557.	3.7	69
61	Automatization of spike correction in Raman spectra of biological samples. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016, 155, 1-6.	3.5	68
62	ET-1 induced alterations of hepatic microcirculation: sinusoidal and extrasinusoidal sites of action. <i>American Journal of Physiology - Renal Physiology</i> , 1994, 267, G143-G149.	3.4	67
63	Transcriptional activation of heme oxygenase-1 and its functional significance in acetaminophen-induced hepatitis and hepatocellular injury in the rat. <i>Journal of Hepatology</i> , 2000, 33, 395-406.	3.7	67
64	INHIBITORS OF NADPH OXIDASE REDUCE THE ORGAN INJURY IN HEMORRHAGIC SHOCK. <i>Shock</i> , 2005, 23, 107-114.	2.1	65
65	Remembering Pathogen Dose: Long-Term Adaptation in Innate Immunity. <i>Trends in Immunology</i> , 2018, 39, 438-445.	6.8	64
66	Molecular adsorbent recirculating system and single-pass albumin dialysis in liver failure—a prospective, randomised crossover study. <i>Critical Care</i> , 2016, 20, 2.	5.8	63
67	Impact of Bispectral Index Monitoring on Stress Response and Propofol Consumption in Patients Undergoing Coronary Artery Bypass Surgery. <i>Anesthesiology</i> , 2004, 101, 1096-1104.	2.5	62
68	Early functional and transcriptomic changes in the myocardium predict outcome in a long-term rat model of sepsis. <i>Clinical Science</i> , 2013, 124, 391-401.	4.3	62
69	REMODELING OF HEPATIC MICROVASCULAR RESPONSIVENESS AFTER ISCHEMIA/REPERFUSION. <i>Shock</i> , 1997, 8, 80-85.	2.1	61
70	Molecular diagnostics of sepsis—Where are we today?†. <i>International Journal of Medical Microbiology</i> , 2010, 300, 411-413.	3.6	61
71	Minimum quality threshold in pre-clinical sepsis studies (MQTiPSS): an international expert consensus initiative for improvement of animal modeling in sepsis. <i>Intensive Care Medicine Experimental</i> , 2018, 6, 26.	1.9	61
72	Cytokine Hemoabsorption During Cardiac Surgery Versus Standard Surgical Care for Infective Endocarditis (REMOVE): Results From a Multicenter Randomized Controlled Trial. <i>Circulation</i> , 2022, 145, 959-968.	1.6	61

#	ARTICLE	IF	CITATIONS
73	Impact of Alloantigens and Storage-associated Factors on Stimulated Cytokine Response in an In Vitro Model of Blood Transfusion. <i>Anesthesiology</i> , 2002, 97, 1102-1109.	2.5	59
74	Peptidoglycan of <i>Staphylococcus aureus</i> causes inflammation and organ injury in the rat*. <i>Critical Care Medicine</i> , 2004, 32, 546-552.	0.9	59
75	Recovery profile and side effects of remifentanyl-based anaesthesia with desflurane or propofol for laparoscopic cholecystectomy. <i>Acta Anaesthesiologica Scandinavica</i> , 2001, 45, 320-326.	1.6	58
76	Cell type-specific delivery of short interfering RNAs by dye-functionalised theranostic nanoparticles. <i>Nature Communications</i> , 2014, 5, 5565.	12.8	58
77	Chronic ethanol consumption increases hepatic sinusoidal contractile response to endothelin-1 in the rat. <i>Hepatology</i> , 1995, 22, 1565-76.	7.3	58
78	Plasma platelet-activating factor acetylhydrolase activity in critically ill patients*. <i>Critical Care Medicine</i> , 2005, 33, 1416-1419.	0.9	54
79	A Transcriptomic Biomarker to Quantify Systemic Inflammation in Sepsis – A Prospective Multicenter Phase II Diagnostic Study. <i>EBioMedicine</i> , 2016, 6, 114-125.	6.1	53
80	Immunosuppression after Sepsis: Systemic Inflammation and Sepsis Induce a Loss of Na ⁺ T-Cells but No Enduring Cell-Autonomous Defects in T-Cell Function. <i>PLoS ONE</i> , 2014, 9, e115094.	2.5	52
81	Do Aspirin and Other Antiplatelet Drugs Reduce the Mortality in Critically Ill Patients?. <i>Thrombosis</i> , 2012, 2012, 1-8.	1.4	51
82	Differential activation pattern of redox-sensitive transcription factors and stress-inducible dilator systems heme oxygenase-1 and inducible nitric oxide synthase in hemorrhagic and endotoxic shock. <i>Critical Care Medicine</i> , 2001, 29, 1962-1971.	0.9	50
83	Raman spectroscopic identification of single bacterial cells under antibiotic influence. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 3041-3050.	3.7	50
84	Crisp and soft multivariate methods visualize individual cell nuclei in Raman images of liver tissue sections. <i>Vibrational Spectroscopy</i> , 2011, 55, 90-100.	2.2	49
85	Effect of nitric oxide on shock-induced hepatic heme oxygenase-1 expression in the rat. <i>Hepatology</i> , 2001, 33, 925-937.	7.3	48
86	Reduction of inflammatory response in composite flap transfer by local stress conditioning-induced heat-shock protein 32. <i>Surgery</i> , 2001, 129, 292-301.	1.9	47
87	Truncated Human Cytidylate-Phosphate-Deoxyguanylate-Binding Protein for Improved Nucleic Acid Amplification Technique-Based Detection of Bacterial Species in Human Samples. <i>Journal of Clinical Microbiology</i> , 2009, 47, 1050-1057.	3.9	47
88	Memory-Like Inflammatory Responses of Microglia to Rising Doses of LPS: Key Role of PI3K ^β . <i>Frontiers in Immunology</i> , 2019, 10, 2492.	4.8	47
89	Influence of heme-based solutions on stress protein expression and organ failure after hemorrhagic shock*. <i>Critical Care Medicine</i> , 2005, 33, 629-637.	0.9	46
90	Vessel- and target cell-specific actions of endothelin-1 and endothelin-3 in rat liver. <i>American Journal of Physiology - Renal Physiology</i> , 1995, 269, G269-G277.	3.4	44

#	ARTICLE	IF	CITATIONS
91	Elevation of serum sphingosine-1-phosphate attenuates impaired cardiac function in experimental sepsis. <i>Scientific Reports</i> , 2016, 6, 27594.	3.3	43
92	Sequential organ failure assessment score is an excellent operationalization of disease severity of adult patients with hospitalized community acquired pneumonia – results from the prospective observational PROGRESS study. <i>Critical Care</i> , 2019, 23, 110.	5.8	43
93	Modulation of the inflammatory response to cardiopulmonary bypass by dexamine and epidural anesthesia. <i>Acta Anaesthesiologica Scandinavica</i> , 2002, 46, 1227-1235.	1.6	42
94	Expression Pattern and Regulation of Heme Oxygenase-1/Heat Shock Protein 32 in Human Liver Cells. <i>Shock</i> , 2003, 20, 116-122.	2.1	42
95	High Copy Numbers of Î²-Defensin Cluster on 8p23.1, Confer Genetic Susceptibility, and Modulate the Physical Course of Hidradenitis Suppurativa/Acne Inversa. <i>Journal of Investigative Dermatology</i> , 2016, 136, 1592-1598.	0.7	42
96	The Opportunities and Limitations of Minimally Invasive Cardiac Surgery. <i>Deutsches A&#x0308;rztblatt International</i> , 2017, 114, 777-784.	0.9	42
97	Part II: Minimum Quality Threshold in Preclinical Sepsis Studies (MQTiPSS) for Types of Infections and Organ Dysfunction Endpoints. <i>Shock</i> , 2019, 51, 23-32.	2.1	42
98	HEPATIC INTERCELLULAR COMMUNICATION IN SHOCK AND INFLAMMATION. <i>Shock</i> , 1994, 2, 1-9.	2.1	41
99	Mixed agonistic-antagonistic cytokine response in whole blood from patients undergoing abdominal aortic aneurysm repair. <i>Intensive Care Medicine</i> , 1999, 25, 279-287.	8.2	41
100	Albumin Dialysis in Liver Failure: Comparison of Molecular Adsorbent Recirculating System and Single Pass Albumin Dialysis – A Retrospective Analysis. <i>Therapeutic Apheresis and Dialysis</i> , 2009, 13, 419-425.	0.9	41
101	Phosphoinositide 3-Kinase Î³ Affects LPS-Induced Disturbance of Blood – Brain Barrier Via Lipid Kinase-Independent Control of cAMP in Microglial Cells. <i>NeuroMolecular Medicine</i> , 2014, 16, 704-713.	3.4	41
102	Monocyte-induced recovery of inflammation-associated hepatocellular dysfunction in a biochip-based human liver model. <i>Scientific Reports</i> , 2016, 6, 21868.	3.3	41
103	Variations in the ratio between von Willebrand factor and its cleaving protease during systemic inflammation and association with severity and prognosis of organ failure. <i>Thrombosis and Haemostasis</i> , 2009, 101, 239-47.	3.4	41
104	CHRONIC ETHANOL CONSUMPTION EXACERBATES LIVER INJURY FOLLOWING HEMORRHAGIC SHOCK. <i>Shock</i> , 1995, 4, 324-331.	2.1	40
105	ROLE OF REACTIVE OXYGEN SPECIES FOR HEPATOCELLULAR INJURY AND HEME OXYGENASE-1 GENE EXPRESSION AFTER HEMORRHAGE AND RESUSCITATION. <i>Shock</i> , 1999, 12, 300-308.	2.1	40
106	Beneficial effect of clopidogrel in a mouse model of polymicrobial sepsis. <i>Journal of Thrombosis and Haemostasis</i> , 2009, 7, 1030-1032.	3.8	40
107	Trained innate immunity, long-lasting epigenetic modulation, and skewed myelopoiesis by heme. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	40
108	Safety and tolerability of non-neutralizing adrenomedullin antibody adrecizumab (HAM8101) in septic shock patients: the AdrenOSS-2 phase 2a biomarker-guided trial. <i>Intensive Care Medicine</i> , 2021, 47, 1284-1294.	8.2	40

#	ARTICLE	IF	CITATIONS
109	Endotoxin Desensitization of Human Mononuclear Cells after Cardiopulmonary Bypass. <i>Anesthesiology</i> , 2000, 93, 359-369.	2.5	39
110	CORM-EDE1: A Highly Water-Soluble and Nontoxic Manganese-Based photoCORM with a Biogenic Ligand Sphere. <i>Inorganic Chemistry</i> , 2016, 55, 104-113.	4.0	39
111	Myocardial Strain and Cardiac Output are Preferable Measurements for Cardiac Dysfunction and Can Predict Mortality in Septic Mice. <i>Journal of the American Heart Association</i> , 2019, 8, e012260.	3.7	39
112	Hepatic induction of cholesterol biosynthesis reflects a remote adaptive response to pneumococcal pneumonia. <i>FASEB Journal</i> , 2012, 26, 2424-2436.	0.5	38
113	Alternative 5' UTR Untranslated Regions Are Involved in Expression Regulation of Human Heme Oxygenase-1. <i>PLoS ONE</i> , 2013, 8, e77224.	2.5	38
114	<i>Candida albicans</i> β -Glucan Differentiates Human Monocytes Into a Specific Subset of Macrophages. <i>Frontiers in Immunology</i> , 2018, 9, 2818.	4.8	38
115	Monocyte Deactivation in Severe Human Sepsis or Following Cardiopulmonary Bypass. <i>Shock</i> , 2002, 17, 354-360.	2.1	36
116	Endothelin-1 and heme oxygenase-1 as modulators of sinusoidal tone in the stress-exposed rat liver. <i>Hepatology</i> , 2002, 36, 1453-1465.	7.3	36
117	Influence of Inhaled Iloprost on Transpulmonary Gradient of Big Endothelin in Patients With Pulmonary Hypertension. <i>Circulation</i> , 2003, 107, 1509-1513.	1.6	36
118	Substantial performance discrepancies among commercially available kits for reverse transcription quantitative polymerase chain reaction: A systematic comparative investigator-driven approach. <i>Analytical Biochemistry</i> , 2010, 401, 303-311.	2.4	36
119	Approaching Clinical Reality: Markers for Monitoring Systemic Inflammation and Sepsis. <i>Current Molecular Medicine</i> , 2010, 10, 227-235.	1.3	36
120	ENDOTHELIN-1 AS A REGULATOR OF HEPATIC MICROCIRCULATION. <i>Shock</i> , 1994, 1, 457-465.	2.1	35
121	ADAMTS13 activity is decreased in a septic porcine model. <i>Thrombosis and Haemostasis</i> , 2011, 105, 131-137.	3.4	35
122	Comparison of the uptake of methacrylate-based nanoparticles in static and dynamic in vitro systems as well as in vivo. <i>Journal of Controlled Release</i> , 2015, 216, 158-168.	9.9	35
123	Detection and Differentiation of Bacterial and Fungal Infection of Neutrophils from Peripheral Blood Using Raman Spectroscopy. <i>Analytical Chemistry</i> , 2020, 92, 10560-10568.	6.5	35
124	Local heat-shock priming-induced improvement in microvascular perfusion in osteomyocutaneous flaps is mediated by heat-shock protein 32. <i>British Journal of Surgery</i> , 2002, 88, 450-457.	0.3	34
125	Platelet-derived microvesicles induce differential gene expression in monocytic cells: A DNA microarray study. <i>Platelets</i> , 2006, 17, 571-576.	2.3	34
126	Label-Free Imaging and Spectroscopic Analysis of Intracellular Bacterial Infections. <i>Analytical Chemistry</i> , 2015, 87, 2137-2142.	6.5	34

#	ARTICLE	IF	CITATIONS
127	Genetic Factors of the Disease Course After Sepsis: Rare Deleterious Variants Are Predictive. <i>EBioMedicine</i> , 2016, 12, 227-238.	6.1	34
128	Retinol saturase coordinates liver metabolism by regulating ChREBP activity. <i>Nature Communications</i> , 2017, 8, 384.	12.8	34
129	Dual-species transcriptional profiling during systemic candidiasis reveals organ-specific host-pathogen interactions. <i>Scientific Reports</i> , 2016, 6, 36055.	3.3	33
130	MicroRNAs 143 and 150 in whole blood enable detection of T-cell immunoparalysis in sepsis. <i>Molecular Medicine</i> , 2018, 24, 54.	4.4	33
131	Perflubron Emulsion in Prolonged Hemorrhagic Shock. <i>Anesthesiology</i> , 2003, 98, 1391-1399.	2.5	32
132	Mitochondria-Targeted Antioxidants SkQ1 and MitoTEMPO Failed to Exert a Long-Term Beneficial Effect in Murine Polymicrobial Sepsis. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-14.	4.0	32
133	Sleeping with the enemy: Clostridium difficile infection in the intensive care unit. <i>Critical Care</i> , 2017, 21, 260.	5.8	32
134	Relationship between intra-abdominal pressure and indocyanine green plasma disappearance rate: hepatic perfusion may be impaired in critically ill patients with intra-abdominal hypertension. <i>Annals of Intensive Care</i> , 2012, 2, S19.	4.6	31
135	Combined inhibition of PI3K ^α and PI3K ^β reduces fat mass by enhancing β -MSH-dependent sympathetic drive. <i>Science Signaling</i> , 2014, 7, ra110.	3.6	31
136	Evidence for a functional link between stress response and vascular control in hepatic portal circulation. <i>American Journal of Physiology - Renal Physiology</i> , 1996, 271, G929-G935.	3.4	30
137	Metabolism, Metabolome, and Metabolomics in Intensive Care: Is It Time to Move beyond Monitoring of Glucose and Lactate?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 187, 906-907.	5.6	30
138	Endothelin-1 and heme oxygenase-1 as modulators of sinusoidal tone in the stress-exposed rat liver. <i>Hepatology</i> , 2002, 36, 1453-1465.	7.3	30
139	The Many Roles of Cholesterol in Sepsis: A Review. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 388-396.	5.6	30
140	Effect of anti-tumor necrosis factor alpha on leukocyte adhesion in the liver after hemorrhagic shock: an intravital microscopic study in the rat. <i>Shock</i> , 1995, 3, 27-33.	2.1	30
141	PROINFLAMMATORY CYTOKINE GENE EXPRESSION IN WHOLE BLOOD FROM PATIENTS UNDERGOING CORONARY ARTERY BYPASS SURGERY AND ITS MODULATION BY PENTOXIFYLLINE. <i>Shock</i> , 1998, 9, 12-20.	2.1	29
142	Decreased cytokine production by mononuclear cells after severe gram-negative infections: early clinical signs and association with final outcome. <i>Critical Care</i> , 2017, 21, 48.	5.8	29
143	Circulating Bile Acids in Liver Failure Activate TGR5 and Induce Monocyte Dysfunction. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021, 12, 25-40.	4.5	29
144	A time-dependent balance between endothelins and nitric oxide regulating portal resistance after endotoxin. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1996, 271, H1953-H1961.	3.2	28

#	ARTICLE	IF	CITATIONS
145	KUPFFER CELLS AND NEUTROPHILS AS PARACRINE REGULATORS OF THE HEME OXYGENASE-1 GENE IN HEPATOCYTES AFTER HEMORRHAGIC SHOCK. <i>Shock</i> , 2001, 15, 438-445.	2.1	28
146	Prophylactic hemofiltration in severely traumatized patients: effects on post-traumatic organ dysfunction syndrome. <i>Intensive Care Medicine</i> , 2001, 27, 376-383.	8.2	28
147	Thoracic but not lumbar epidural anaesthesia increases liver blood flow after major abdominal surgery. <i>European Journal of Anaesthesiology</i> , 2009, 26, 111-116.	1.7	28
148	Characterization of different substrates for Raman spectroscopic imaging of eukaryotic cells. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 773-786.	2.5	28
149	Cargo carrier interactions significantly contribute to micellar conformation and biodistribution. <i>NPG Asia Materials</i> , 2017, 9, e444-e444.	7.9	28
150	Minimum Quality Threshold in Pre-Clinical Sepsis Studies (MQTiPSS): an international expert consensus initiative for improvement of animal modeling in sepsis. <i>Infection</i> , 2018, 46, 687-691.	4.7	28
151	Distinct Different Contributions of the Alternative and Classical Complement Activation Pathway for the Innate Host Response during Sepsis. <i>Journal of Immunology</i> , 2011, 186, 3066-3075.	0.8	27
152	Hepatic Fibrosis in a Long-term Murine Model of Sepsis. <i>Shock</i> , 2012, 37, 399-407.	2.1	27
153	Significance of venous oximetry in the critically ill. <i>Medicina Intensiva</i> , 2008, 32, 134-142.	0.7	26
154	Haplotypes of IL-12R β 1 impact on the clinical phenotype of hidradenitis suppurativa. <i>Cytokine</i> , 2013, 62, 297-301.	3.2	26
155	PI3K signaling in the pathogenesis of obesity: The cause and the cure. <i>Advances in Biological Regulation</i> , 2015, 58, 1-15.	2.3	26
156	Deterioration of Organ Function As a Hallmark in Sepsis: The Cellular Perspective. <i>Frontiers in Immunology</i> , 2018, 9, 1460.	4.8	26
157	Antibody response using six different serological assays in a completely PCR-tested community after a coronavirus disease 2019 outbreak the CoNAN study. <i>Clinical Microbiology and Infection</i> , 2021, 27, 470.e1-470.e9.	6.0	26
158	Changes in inflammatory and vasoactive mediator profiles during valvular surgery with or without infective endocarditis: A case control pilot study. <i>PLoS ONE</i> , 2020, 15, e0228286.	2.5	25
159	Intravenous Immunoglobulin with Enhanced Polyspecificity Improves Survival in Experimental Sepsis and Aseptic Systemic Inflammatory Response Syndromes. <i>Molecular Medicine</i> , 2015, 21, 1002-1010.	4.4	24
160	Chemerin in peritoneal sepsis and its associations with glucose metabolism and prognosis: a translational cross-sectional study. <i>Critical Care</i> , 2016, 20, 39.	5.8	24
161	Impact of perioperative liver dysfunction on in-hospital mortality and long-term survival in infective endocarditis patients. <i>Infection</i> , 2017, 45, 857-866.	4.7	24
162	Mucosal-Associated Invariant T Cells Redistribute to the Peritoneal Cavity During Spontaneous Bacterial Peritonitis and Contribute to Peritoneal Inflammation. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2020, 9, 661-677.	4.5	24

#	ARTICLE	IF	CITATIONS
163	Targeting Complement C5a Receptor 1 for the Treatment of Immunosuppression in Sepsis. <i>Molecular Therapy</i> , 2021, 29, 338-346.	8.2	24
164	Fever and hypothermia represent two populations of sepsis patients and are associated with outside temperature. <i>Critical Care</i> , 2021, 25, 368.	5.8	24
165	Comparative effects of crystalloid and small volume hypertonic hyperoncotic fluid resuscitation on hepatic microcirculation after hemorrhagic shock. <i>Circulatory Shock</i> , 1993, 40, 187-93.	0.6	24
166	Hemorrhagic shock primes the hepatic portal circulation for the vasoconstrictive effects of endothelin-1. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 281, H1075-H1084.	3.2	23
167	Microphysiological systems meet hiPSC technology – New tools for disease modeling of liver infections in basic research and drug development. <i>Advanced Drug Delivery Reviews</i> , 2019, 140, 51-67.	13.7	23
168	Sepsis induces long-lasting impairments in CD4+ T-cell responses despite rapid numerical recovery of T-lymphocyte populations. <i>PLoS ONE</i> , 2019, 14, e0211716.	2.5	23
169	Endotoxin pretreatment enhances portal venous contractile response to endothelin-1. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1996, 270, H7-H15.	3.2	22
170	Regulation of hepatic blood flow during resuscitation from hemorrhagic shock: role of NO and endothelins. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1997, 272, H2736-H2745.	3.2	22
171	Circulating big endothelin-1: An active role in pulmonary thromboendarterectomy?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2005, 130, 1342-1347.	0.8	22
172	Increased lipogenesis in spite of upregulated hepatic 5'AMP-activated protein kinase in human non-alcoholic fatty liver. <i>Hepatology Research</i> , 2017, 47, 890-901.	3.4	22
173	Microorganisms @ materials surfaces in aircraft: Potential risks for public health? – A systematic review. <i>Travel Medicine and Infectious Disease</i> , 2019, 28, 6-14.	3.0	22
174	Memory-Like Responses of Brain Microglia Are Controlled by Developmental State and Pathogen Dose. <i>Frontiers in Immunology</i> , 2020, 11, 546415.	4.8	22
175	Raman Spectroscopy Follows Time-Dependent Changes in T Lymphocytes Isolated from Spleen of Endotoxemic Mice. <i>ImmunoHorizons</i> , 2019, 3, 45-60.	1.8	22
176	(1 α ,25)-d-Glucan-guided antifungal therapy in adults with sepsis: the CandiSep randomized clinical trial. <i>Intensive Care Medicine</i> , 2022, 48, 865-875.	8.2	22
177	Isoflurane pretreatment lowers portal venous resistance by increasing hepatic heme oxygenase activity in the rat liver in vivo. <i>Journal of Hepatology</i> , 2004, 41, 706-713.	3.7	21
178	Labile heme impairs hepatic microcirculation and promotes hepatic injury. <i>Archives of Biochemistry and Biophysics</i> , 2019, 672, 108075.	3.0	21
179	Late Peaks of HMGB1 and Sepsis Outcome: Evidence For Synergy With Chronic Inflammatory Disorders. <i>Shock</i> , 2019, 52, 334-339.	2.1	21
180	HEME OXYGENASE-1 GENE EXPRESSION IN PERICENTRAL HEPATOCYTES THROUGH β 1-ADRENOCEPTOR STIMULATION. <i>Shock</i> , 2004, 21, 376-387.	2.1	20

#	ARTICLE	IF	CITATIONS
181	Mechanism of the delay phenomenon: tissue protection is mediated by heme oxygenase-1. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H2332-H2340.	3.2	20
182	Hepatic excretory function in sepsis: implications from biophotonic analysis of transcellular xenobiotic transport in a rodent model. Critical Care, 2013, 17, R67.	5.8	20
183	Phosphoinositide 3-kinase gamma controls inflammation-induced myocardial depression via sequential cAMP and iNOS signalling. Cardiovascular Research, 2015, 108, 243-253.	3.8	20
184	Fetuin A is a Predictor of Liver Fat in Preoperative Patients with Nonalcoholic Fatty Liver Disease. Journal of Investigative Surgery, 2016, 29, 266-274.	1.3	20
185	Liberal transfusion strategy to prevent mortality and anaemia-associated, ischaemic events in elderly non-cardiac surgical patients – the study design of the LIBERAL-Trial. Trials, 2019, 20, 101.	1.6	20
186	Attenuation of shock-induced hepatic microcirculatory disturbances by the use of a starch-deferoxamine conjugate for resuscitation. Critical Care Medicine, 1995, 23, 316-322.	0.9	20
187	Angiotensin-2 Enhances Survival in Experimental Sepsis Induced by Multidrug-Resistant <i>Pseudomonas aeruginosa</i> . Journal of Pharmacology and Experimental Therapeutics, 2012, 343, 278-287.	2.5	19
188	Mechanisms and functional consequences of liver failure substantially differ between endotoxaemia and faecal peritonitis in rats. Liver International, 2013, 33, 283-293.	3.9	19
189	Critical role of large-conductance calcium- and voltage-activated potassium channels in leptin-induced neuroprotection of N-methyl-D-aspartate-exposed cortical neurons. Pharmacological Research, 2014, 87, 80-86.	7.1	19
190	Improvement of prognostic performance in severely injured patients by integrated clinico-transcriptomics: a translational approach. Critical Care, 2015, 19, 414.	5.8	18
191	Simultaneous determination of the bilirubin oxidation end products Z-BOX A and Z-BOX B in human serum using liquid chromatography coupled to tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 974, 83-89.	2.3	18
192	IL-7 treatment augments and prolongs sepsis-induced expansion of IL-10-producing B lymphocytes and myeloid-derived suppressor cells. PLoS ONE, 2018, 13, e0192304.	2.5	18
193	Liver failure. Current Opinion in Anaesthesiology, 2005, 18, 111-116.	2.0	17
194	Gene Polymorphisms in the Heme Degradation Pathway and Outcome of Severe Human Sepsis. Shock, 2012, 38, 459-465.	2.1	17
195	Single cell analysis in native tissue: Quantification of the retinoid content of hepatic stellate cells. Scientific Reports, 2016, 6, 24155.	3.3	17
196	A pilot study of exercise-induced changes in mitochondrial oxygen metabolism measured by a cellular oxygen metabolism monitor (PICOMET). Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 749-758.	3.8	17
197	Leukocyte Activation Profile Assessed by Raman Spectroscopy Helps Diagnosing Infection and Sepsis. , 2021, 3, e0394.		17
198	Stealth Effect of Short Polyoxazolines in Graft Copolymers: Minor Changes of Backbone End Group Determine Liver Cell-Type Specificity. ACS Nano, 2021, 15, 12298-12313.	14.6	17

#	ARTICLE	IF	CITATIONS
199	DOSE-RELATED PATTERN OF SINUSOIDAL LEUKOCYTE ADHESION IN SUBLOBULAR REGIONS OF THE LIVER AFTER SYSTEMIC ENDOTOXIN CHALLENGE IN THE RAT. <i>Shock</i> , 1994, 1, 135-140.	2.1	16
200	Modulation of endotoxin-stimulated TNF- α gene expression by ketamine and propofol in cultured human whole blood. <i>Der Anaesthetist</i> , 2001, 50, 494-499.	1.2	16
201	<i>In vivo</i> imaging of hepatic excretory function in the rat by fluorescence microscopy. <i>Journal of Biophotonics</i> , 2012, 5, 571-581.	2.3	16
202	Isolation and Identification of Intermediates of the Oxidative Bilirubin Degradation. <i>Organic Letters</i> , 2016, 18, 4432-4435.	4.6	16
203	Impact of higher-order heme degradation products on hepatic function and hemodynamics. <i>Journal of Hepatology</i> , 2017, 67, 272-281.	3.7	16
204	Hepatic Redox Regulation of Transcription Factors Activator Protein-1 and Nuclear Factor- κ B After Hemorrhagic Shock <i>In Vivo</i> . <i>Antioxidants and Redox Signaling</i> , 2002, 4, 711-720.	5.4	15
205	Isotonic and hypertonic crystalloid solutions in the critically ill. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2009, 23, 173-181.	4.0	15
206	Comparison of Sepsis-Induced Transcriptomic Changes in a Murine Model to Clinical Blood Samples Identifies Common Response Patterns. <i>Frontiers in Microbiology</i> , 2012, 3, 284.	3.5	15
207	Limitation of (1 α) ³ - β -D-glucan monitoring in major elective surgery involving cardiopulmonary bypass. <i>Critical Care</i> , 2013, 17, 437.	5.8	15
208	Regional Citrate Anticoagulation for Continuous Renal Replacement Therapy in the Perioperative Care of Liver Transplant Recipients: A Single Center Experience. <i>Therapeutic Apheresis and Dialysis</i> , 2015, 19, 8-15.	0.9	15
209	PROGRESS " prospective observational study on hospitalized community acquired pneumonia. <i>BMC Pulmonary Medicine</i> , 2016, 16, 108.	2.0	15
210	Randomized controlled multicentre study of albumin replacement therapy in septic shock (ARISS): protocol for a randomized controlled trial. <i>Trials</i> , 2020, 21, 1002.	1.6	15
211	Lipid metabolic signatures deviate in sepsis survivors compared to non-survivors. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 3678-3691.	4.1	15
212	Use of IFN β /IL10 Ratio for Stratification of Hydrocortisone Therapy in Patients With Septic Shock. <i>Frontiers in Immunology</i> , 2021, 12, 607217.	4.8	15
213	Efficacy and Safety of Vilobelimab (IFX-1), a Novel Monoclonal Anti-C5a Antibody, in Patients With Early Severe Sepsis or Septic Shock "A Randomized, Placebo-Controlled, Double-Blind, Multicenter, Phase IIa Trial (SCIENS Study). , 2021, 3, e0577.		15
214	Activation of Sphingomyelinase-Ceramide-Pathway in COVID-19 Purposes Its Inhibition for Therapeutic Strategies. <i>Frontiers in Immunology</i> , 2021, 12, 784989.	4.8	15
215	Immunoproteomic Analysis of Antibody Responses to Extracellular Proteins of <i>Candida albicans</i> Revealing the Importance of Glycosylation for Antigen Recognition. <i>Journal of Proteome Research</i> , 2016, 15, 2394-2406.	3.7	14
216	Assessing efficacy of CytoSorb haemoadsorber for prevention of organ dysfunction in cardiac surgery patients with infective endocarditis: REMOVE-protocol for randomised controlled trial. <i>BMJ Open</i> , 2020, 10, e031912.	1.9	14

#	ARTICLE	IF	CITATIONS
217	The Role of the Pathogen Dose and PI3K $\hat{3}$ in Immunometabolic Reprogramming of Microglia for Innate Immune Memory. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2578.	4.1	14
218	Targeted delivery of a phosphoinositide 3-kinase $\hat{3}$ inhibitor to restore organ function in sepsis. <i>EMBO Molecular Medicine</i> , 2021, 13, e14436.	6.9	14
219	Exploitation of the hepatic stellate cell Raman signature for their detection in native tissue samples. <i>Integrative Biology (United Kingdom)</i> , 2014, 6, 946-956.	1.3	13
220	An Integrated Clinico-transcriptomic Approach Identifies a Central Role of the Heme Degradation Pathway for Septic Complications after Trauma. <i>Annals of Surgery</i> , 2016, 264, 1125-1134.	4.2	13
221	The role of risk communication in public health interventions. An analysis of risk communication for a community quarantine in Germany to curb the SARS-CoV-2 pandemic. <i>PLoS ONE</i> , 2021, 16, e0256113.	2.5	13
222	Alternative Splicing of SMPD1 in Human Sepsis. <i>PLoS ONE</i> , 2015, 10, e0124503.	2.5	13
223	Heme oxygenase in liver transplantation: Heme catabolism and metabolites in the search of function. <i>Hepatology</i> , 2003, 38, 286-288.	7.3	12
224	Hepatic cirrhosis and recovery as reflected by Raman spectroscopy: information revealed by statistical analysis might lead to a prognostic biomarker. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 8053-8063.	3.7	12
225	Simvastatin pre-treatment improves survival and mitochondrial function in a 3-day fluid-resuscitated rat model of sepsis. <i>Clinical Science</i> , 2017, 131, 747-758.	4.3	12
226	Uptake of Retinoic Acid-Modified PMMA Nanoparticles in LX-2 and Liver Tissue by Raman Imaging and Intravital Microscopy. <i>Macromolecular Bioscience</i> , 2017, 17, 1700064.	4.1	12
227	Molecular signatures of liver dysfunction are distinct in fungal and bacterial infections in mice. <i>Theranostics</i> , 2018, 8, 3766-3780.	10.0	12
228	Host cystathionine- $\hat{3}$ lyase derived hydrogen sulfide protects against <i>Pseudomonas aeruginosa</i> sepsis. <i>PLoS Pathogens</i> , 2021, 17, e1009473.	4.7	12
229	Controlled Release of the $\hat{3}$ -Tocopherol-Derived Metabolite $\hat{3}$ -13-Carboxychroman-10 $\hat{3}$ -ol from Bacterial Nanocellulose Wound Cover Improves Wound Healing. <i>Nanomaterials</i> , 2021, 11, 1939.	4.1	12
230	Biochemical Analysis of Leukocytes after In Vitro and In Vivo Activation with Bacterial and Fungal Pathogens Using Raman Spectroscopy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10481.	4.1	12
231	The liver-gut-axis: initiator and responder to sepsis. <i>Current Opinion in Critical Care</i> , 2022, 28, 216-220.	3.2	12
232	Adenosine Diphosphate Receptor Antagonist Clopidogrel Sulfate Attenuates LPS-Induced Systemic Inflammation in a Rat Model. <i>Shock</i> , 2011, 36, 317.	2.1	11
233	Hyperresponsiveness of mice deficient in plasma-secreted sphingomyelinase reveals its pivotal role in early phase of host response. <i>Journal of Lipid Research</i> , 2013, 54, 410-424.	4.2	11
234	Haplotypes composed of minor frequency single nucleotide polymorphisms of the TNF gene protect from progression into sepsis: A study using the new sepsis classification. <i>International Journal of Infectious Diseases</i> , 2018, 67, 102-106.	3.3	11

#	ARTICLE	IF	CITATIONS
235	Identification of suitable controls for miRNA quantification in T-cells and whole blood cells in sepsis. <i>Scientific Reports</i> , 2019, 9, 15735.	3.3	11
236	Intraoperative reduction of vasopressors using processed electroencephalographic monitoring in patients undergoing elective cardiac surgery: a randomized clinical trial. <i>Journal of Clinical Monitoring and Computing</i> , 2020, 34, 71-80.	1.6	11
237	Leukocyte subtypes classification by means of image processing. , 0, , .		11
238	Effects of 15-deoxy- λ^2 ,14-prostaglandin-J2 during hyperdynamic porcine endotoxemia. <i>Intensive Care Medicine</i> , 2006, 32, 759-765.	8.2	10
239	Sepsis 2019 â€“ New Trends and Their Implications for Multiple Trauma Patients. <i>Zeitschrift Fur Orthopadie Und Unfallchirurgie</i> , 2020, 158, 81-89.	0.7	10
240	Identification of cardiovascular and molecular prognostic factors for the medium-term and long-term outcomes of sepsis (ICROS): protocol for a prospective monocentric cohort study. <i>BMJ Open</i> , 2020, 10, e036527.	1.9	10
241	An integrative understanding of the large metabolic shifts induced by antibiotics in critical illness. <i>Gut Microbes</i> , 2021, 13, 1993598.	9.8	10
242	Endothelin activation and postoperative renal failure after human liver transplantation. <i>Liver Transplantation</i> , 2005, 11, 1201-1206.	2.4	9
243	Comparative suitability of CFDAâ€“SE and rhodamine 6G for <i>in vivo</i> assessment of leukocyteâ€“endothelium interactions. <i>Journal of Biophotonics</i> , 2014, 7, 369-375.	2.3	9
244	One step closer to precision medicine for infectious diseases. <i>Lancet Infectious Diseases</i> , The, 2019, 19, 564-565.	9.1	9
245	Sustained liver regeneration after portal vein embolization â€“ A human molecular pilot study. <i>Digestive and Liver Disease</i> , 2012, 44, 681-688.	0.9	8
246	Clinical significance and diagnostic usefulness of serologic markers for improvement of outcome of tonsillectomy in adults with chronic tonsillitis. <i>Journal of Negative Results in BioMedicine</i> , 2013, 12, 11.	1.4	8
247	Hepatic Vitamin A Content Investigation Using Coherent <i>Anti</i> â€“Stokes Raman Scattering Microscopy. <i>ChemPhysChem</i> , 2016, 17, 4043-4051.	2.1	8
248	Polymorphisms of cystathionine beta-synthase gene are associated with susceptibility to sepsis. <i>European Journal of Human Genetics</i> , 2016, 24, 1041-1048.	2.8	8
249	Die zellulÃre Basis des Organversagens bei Sepsis â€“ Signalwege in GewebeschÃdigung und Reparaturprozessen. <i>Medizinische Klinik - Intensivmedizin Und Notfallmedizin</i> , 2020, 115, 4-9.	1.1	8
250	Letter: SARS-CoV-2-induced gastrointestinal inflammation. <i>Alimentary Pharmacology and Therapeutics</i> , 2020, 52, 1748-1749.	3.7	8
251	Spatial quantification of clinical biomarker pharmacokinetics through deep learning-based segmentation and signal-oriented analysis of MSOT data. <i>Photoacoustics</i> , 2022, 26, 100361.	7.8	8
252	High energy phosphates and direct calorimetry as predictive parameters for metabolic recovery of the rat liver following ischemia. <i>Acta Anaesthesiologica Scandinavica</i> , 1996, 40, 940-947.	1.6	7

#	ARTICLE	IF	CITATIONS
253	Induction of heme oxygenase-1 and heat shock protein 70 in rat hepatocytes: The role of calcium signaling. <i>Cellular and Molecular Biology Letters</i> , 2007, 12, 25-38.	7.0	7
254	Fast simultaneous assessment of renal and liver function using polymethine dyes in animal models of chronic and acute organ injury. <i>Scientific Reports</i> , 2017, 7, 15397.	3.3	7
255	Minimallyâ€invasive parasternal aortic valve replacementâ€A slow learning curve towards improved outcomes. <i>Journal of Cardiac Surgery</i> , 2020, 35, 544-548.	0.7	7
256	A new fluorescent dye for cell tracing and mitochondrial imaging <i>in vitro</i> and <i>in vivo</i> . <i>Journal of Biophotonics</i> , 2016, 9, 888-900.	2.3	6
257	Low-dose hydrocortisone prolongs survival in a lethal sepsis model in adrenalectomized rats. <i>Journal of Surgical Research</i> , 2018, 227, 72-80.	1.6	6
258	Association of proteome and metabolome signatures with severity in patients with community-acquired pneumonia. <i>Journal of Proteomics</i> , 2020, 214, 103627.	2.4	6
259	Formulation of Liver-Specific PLGA-DY-635 Nanoparticles Loaded with the Protein Kinase C Inhibitor Bisindolylmaleimide I. <i>Pharmaceutics</i> , 2020, 12, 1110.	4.5	6
260	Comparison of albumin dialysis devices molecular adsorbent recirculating system and ADVanced Organ Support system in critically ill patients with liver failureâ€A retrospective analysis. <i>Therapeutic Apheresis and Dialysis</i> , 2021, 25, 225-236.	0.9	6
261	Mid-German Sepsis Cohort (MSC): a prospective observational study of sepsis survivorship. <i>BMJ Open</i> , 2021, 11, e043352.	1.9	6
262	Endothelin-1 as a regulator of hepatic microcirculation: sublobular distribution of effects and impact on hepatocellular secretory function. <i>Shock</i> , 1994, 1, 457-65.	2.1	6
263	Determination of individual bile acids in acute respiratory distress syndrome reveals a specific pattern of primary and secondary bile acids and a shift to the acidic pathway as an adaptive response to the critical condition. <i>Clinical Chemistry and Laboratory Medicine</i> , 2022, 60, 891-900.	2.3	6
264	Age-independent co-expression of antimicrobial gene clusters in the blood of septic patients. <i>International Journal of Antimicrobial Agents</i> , 2013, 42, S2-S7.	2.5	5
265	Anticoagulation Strategies in Venovenous Hemodialysis in Critically Ill Patients: A Five-Year Evaluation in a Surgical Intensive Care Unit. <i>Scientific World Journal</i> , The, 2014, 2014, 1-7.	2.1	5
266	Preoperative serum pattern analysis to predict the outcome of tonsillectomy in adults with chronic tonsillitis. <i>European Archives of Oto-Rhino-Laryngology</i> , 2014, 271, 2803-2811.	1.6	5
267	Preserved Expression of mRNA Coding von Willebrand Factor-Cleaving Protease ADAMTS13 by Selenite and Activated Protein C. <i>Molecular Medicine</i> , 2015, 21, 355-363.	4.4	5
268	The persistent potential of extracorporeal therapies in liver failure. <i>Intensive Care Medicine</i> , 2020, 46, 528-530.	8.2	5
269	Association between high dose catecholamine support and liver dysfunction following cardiac surgery. <i>Journal of Cardiac Surgery</i> , 2020, 35, 1228-1236.	0.7	5
270	Characterization of a library of vitamin A-functionalized polymethacrylate-based nanoparticles for siRNA delivery. <i>Polymer Chemistry</i> , 2021, 12, 911-925.	3.9	5

#	ARTICLE	IF	CITATIONS
271	Multiplex quantification of C-terminal alpha-1-antitrypsin peptides provides a novel approach for characterizing systemic inflammation. <i>Scientific Reports</i> , 2022, 12, 3844.	3.3	5
272	Biomarkers of Cholestasis and Liver Injury in the Early Phase of Acute Respiratory Distress Syndrome and Their Pathophysiological Value. <i>Diagnostics</i> , 2021, 11, 2356.	2.6	5
273	Septic shock therapy: The recipe or the cook?. <i>Critical Care Medicine</i> , 2006, 34, 2870-2871.	0.9	4
274	Inhibition of Hemoxygenase-1 Improves Survival after Liver Resection in Jaundiced Rats. <i>European Surgical Research</i> , 2009, 42, 157-167.	1.3	4
275	Role of p38 mitogen-activated protein kinase in posttraumatic immunosuppression in mice. <i>Journal of Trauma and Acute Care Surgery</i> , 2012, 73, 861-868.	2.1	4
276	Shades of yellow: Monitoring nutritional needs and hepatobiliary function in the critically ill. <i>Hepatology</i> , 2014, 60, 26-29.	7.3	4
277	Multi-pathogen real-time PCR system adds benefit for my patients: yes. <i>Intensive Care Medicine</i> , 2015, 41, 528-530.	8.2	4
278	Pulmonary complications in liver disease. <i>Intensive Care Medicine</i> , 2019, 45, 1433-1435.	8.2	4
279	Polymethine Dye-Functionalized Nanoparticles for Targeting CML Stem Cells. <i>Molecular Therapy - Oncolytics</i> , 2020, 18, 372-381.	4.4	4
280	Diagnostic Performance of Procalcitonin for the Early Identification of Sepsis in Patients with Elevated qSOFA Score at Emergency Admission. <i>Journal of Clinical Medicine</i> , 2021, 10, 3869.	2.4	4
281	Poly(2-oxazoline) Homopolymers and Diblock Copolymers Containing Retinoate End Groups. <i>ACS Applied Polymer Materials</i> , 0, , .	4.4	4
282	Differential gene expression of CINC, NOS II, and ICAM-1 in endotoxemic liver cells by rG-CSF. <i>Langenbeck's Archives of Surgery</i> , 1999, 384, 216-221.	1.9	3
283	Evidence for a Sustained Inflammatory Response of the Hepatic Microcirculation after Hemorrhagic Shock. <i>European Journal of Trauma and Emergency Surgery</i> , 2000, 26, 176-184.	0.3	3
284	Reply to Harris et al.: Differential impacts of omega-3 fatty acids and their derivatives on blood pressure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2260-E2260.	7.1	3
285	Early adjustment of antimicrobial therapy after PCR/electrospray ionization mass spectrometry-based pathogen detection in critically ill patients with suspected sepsis. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018, 56, e207-e209.	2.3	3
286	Markov State Modelling of Disease Courses and Mortality Risks of Patients with Community-Acquired Pneumonia. <i>Journal of Clinical Medicine</i> , 2020, 9, 393.	2.4	3
287	In vivo coherent anti-Stokes Raman scattering microscopy reveals vitamin A distribution in the liver. <i>Journal of Biophotonics</i> , 2021, 14, e202100040.	2.3	3
288	The impact of specific cytokine directed treatment on severe COVID-19. <i>Leukemia</i> , 2021, 35, 3613-3615.	7.2	3

#	ARTICLE	IF	CITATIONS
289	Intracellularly Released Cholesterol from Polymer-Based Delivery Systems Alters Cellular Responses to Pneumolysin and Promotes Cell Survival. <i>Metabolites</i> , 2021, 11, 821.	2.9	3
290	Neurological long-term sequelae after spinal anaesthesia in a tropical setting: A case control study. <i>Tropical Medicine and International Health</i> , 2001, 6, 34-36.	2.3	2
291	Carbon monoxide and outcome of stroke – A dream CORM true?*. <i>Critical Care Medicine</i> , 2012, 40, 687-688.	0.9	2
292	Passive immunotherapy of sepsis with intravenous immune globulin: not all IVIg preparations are created equal. <i>Critical Care</i> , 2012, 16, 407.	5.8	2
293	Reduced Mrp2 surface availability as PI3K ^{Î³} -mediated hepatocytic dysfunction reflecting a hallmark of cholestasis in sepsis. <i>Scientific Reports</i> , 2020, 10, 13110.	3.3	2
294	Photoisomerization Neutralizes Vasoconstrictive Activity of a Heme Degradation Product. <i>ACS Omega</i> , 2020, 5, 21401-21411.	3.5	2
295	Towards an ecological definition of sepsis: a viewpoint. <i>Intensive Care Medicine Experimental</i> , 2021, 9, 63.	1.9	2
296	Sepsis – Current Aspects of Pathophysiology and Implications for Diagnosis and Management. <i>European Journal of Trauma and Emergency Surgery</i> , 2006, 32, 3-9.	0.3	1
297	Limited evidence to recommend lactate kinetics-guided therapy. <i>Critical Care</i> , 2017, 21, 167.	5.8	1
298	Studies into Slo1 K + channels and their ligand docosahexaenoic acid in murine sepsis to delineate off-target effects of immunonutrition. <i>Life Sciences</i> , 2018, 203, 112-120.	4.3	1
299	Effect of Magnesium Loading Dose on Insulin Resistance in Patients With Stress-Induced Hyperglycemia: A Randomized Clinical Trial. <i>Journal of Intensive Care Medicine</i> , 2018, , 088506661880386.	2.8	1
300	Sodium Thiosulfate: A New Player for Circulatory Shock and Ischemia/Reperfusion Injury?. <i>Annual Update in Intensive Care and Emergency Medicine</i> , 2019, , 183-198.	0.2	1
301	Pathogen-Induced Hormetic Responses. , 2019, , 161-170.		1
302	Volume replacement after trauma: an update. <i>Swiss Medical Weekly</i> , 2012, 142, w13685.	1.6	1
303	Impairment of hepatocellular excretory function, sepsis and liver insufficiency after liver resection. Authors' response. <i>Critical Care</i> , 2014, 18, 419.	5.8	1
304	Ätiologie und Diagnostik des septischen Organversagens. , 2006, , 13-23.		0
305	Differential diagnosis of systemic inflammatory response syndrome versus sepsis based on a multiplex quantitative PCR assay. <i>Critical Care</i> , 2009, 13, P377.	5.8	0
306	Addressable bipartite molecular hook (ABMH): Immobilized hairpin probes with sensitivity below 50fM. <i>Analytical Biochemistry</i> , 2010, 397, 60-66.	2.4	0

#	ARTICLE	IF	CITATIONS
307	Molecular Diagnostic Markers for Early and Targeted Identification of Infections after Liver Transplantation - Preliminary Results. Transplantation, 2012, 94, 670.	1.0	0
308	Omega-3 Fatty Acids Activate Slo1 BK Channels and Lower Blood Pressure. Biophysical Journal, 2013, 104, 471a.	0.5	0
309	Enhanced sphingosine-1-phosphate levels ameliorate murine septic cardiomyopathy. Intensive Care Medicine Experimental, 2015, 3, .	1.9	0
310	Biomarkers in Inflammation. , 2017, , 1539-1566.		0
311	P5452First data-analysis of the prospective ETICS-study after study-end confirms acute (microbial-induced) inflammation as a key trigger for the development of cardiac GPCR-autoantibodies. European Heart Journal, 2019, 40, .	2.2	0
312	What does critical illness do to the liver?. , 2020, , 497-499.e1.		0
313	Complement factor D is linked to platelet activation in human and rodent sepsis. Intensive Care Medicine Experimental, 2021, 9, 41.	1.9	0
314	Liver Failure: Diagnostic Assessment and Therapeutic Options. Yearbook of Intensive Care and Emergency Medicine, 2006, , 641-649.	0.1	0
315	Leberversagen und Leberersatzverfahren. , 2011, , 395-409.		0
316	Leberversagen und Leberersatzverfahren. , 2013, , 457-471.		0
317	Monitoring der Leberfunktion bei Intensivpatienten. , 2015, , 143-152.		0
318	ErnÄhrung und Dysfunktion von Leber und Magen-Darm-Trakt. , 2016, , 179-196.		0
319	Minimally Invasive Parasternal Aortic Valve Replacement: A Slow Learning Curve toward Improved Outcomes. Thoracic and Cardiovascular Surgeon, 2019, 67, .	1.0	0
320	Sepsis as Organ and Health System Failure. Annual Update in Intensive Care and Emergency Medicine, 2020, , 623-631.	0.2	0
321	Janus face of sepsis: a viewpoint. Exploration of Immunology, 0, , 293-302.	0.3	0
322	Response to the Correspondence of Helbing et al. âœMouse sepsis models: don't forget ambient temperature!âœ. Intensive Care Medicine Experimental, 2022, 10, .	1.9	0