

Michael Bauer

List of Publications by Year in descending order

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Version: 2024-02-01

322
papers

31,783
citations

17429

63
h-index

5118

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.	3.8	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.	3.9	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.	5.2	502
4	New Approaches to Sepsis: Molecular Diagnostics and Biomarkers. Clinical Microbiology Reviews, 2012, 25, 609-634.	5.7	408
5	The COVID-19 puzzle: deciphering pathophysiology and phenotypes of a new disease entity. Lancet Respiratory Medicine, the, 2021, 9, 622-642.	5.2	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.	2.5	370
7	The late phase of sepsis is characterized by an increased microbiological burden and death rate. Critical Care, 2011, 15, R183.	2.5	334
8	Implementation of an evidence-based “standard operating procedure” and outcome in septic shock*. Critical Care Medicine, 2006, 34, 943-949.	0.4	302
9	Genome-wide association study reveals two new risk loci for bipolar disorder. Nature Communications, 2014, 5, 3339.	5.8	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.	2.5	285
11	Heme Oxygenase-1: Redox Regulation and Role in the Hepatic Response to Oxidative Stress. Antioxidants and Redox Signaling, 2002, 4, 749-758.	2.5	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.	13.5	207
14	Current gaps in sepsis immunology: new opportunities for translational research. Lancet Infectious Diseases, The, 2019, 19, e422-e436.	4.6	205
15	A microfluidically perfused three dimensional human liver model. Biomaterials, 2015, 71, 119-131.	5.7	192
16	Impact of plasma histones in human sepsis and their contribution to cellular injury and inflammation. Critical Care, 2014, 18, 543.	2.5	173
17	Expression pattern of heme oxygenase isoenzymes 1 and 2 in normal and stress-exposed rat liver. Hepatology, 1998, 27, 829-838.	3.6	164
18	Liver Dysfunction and Phosphatidylinositol-3-Kinase Signalling in Early Sepsis: Experimental Studies in Rodent Models of Peritonitis. PLoS Medicine, 2012, 9, e1001338.	3.9	152

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19	Protective role of endogenous carbon monoxide in hepatic microcirculatory dysfunction after hemorrhagic shock in rats.. Journal of Clinical Investigation, 1998, 102, 1220-1228.	3.9	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.	1.5	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.	1.0	141
22	Redefining critical illness. Nature Medicine, 2022, 28, 1141-1148.	15.2	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.	0.2	135
24	A multicenter trial to compare blood culture with polymerase chain reaction in severe human sepsis. Intensive Care Medicine, 2010, 36, 241-247.	3.9	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.	0.4	130
26	Anti-platelet drugs and outcome in severe infection: Clinical impact and underlying mechanisms. Platelets, 2009, 20, 50-57.	1.1	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.	3.3	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.	1.6	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.	0.4	113
31	Antiplatelet drugs and outcome in mixed admissions to an intensive care unit*. Critical Care Medicine, 2010, 38, 32-37.	0.4	111
32	Role of endothelins and nitric oxide in hepatic reperfusion injury in the rat. Hepatology, 1998, 27, 755-764.	3.6	110
33	The Efficacy and Safety of Colloid Resuscitation in the Critically Ill. Anesthesia and Analgesia, 2011, 112, 156-164.	1.1	108
34	Effect of Intravenous Anesthetics on Spontaneous and Endotoxin-stimulated Cytokine Response in Cultured Human Whole Blood. Anesthesiology, 1998, 89, 1218-1227.	1.3	105
35	Toward a Spectroscopic Hemogram: Raman Spectroscopic Differentiation of the Two Most Abundant Leukocytes from Peripheral Blood. Analytical Chemistry, 2012, 84, 5335-5342.	3.2	103
36	Characteristics of Clinical Sepsis Reflected in a Reliable and Reproducible Rodent Sepsis Model. Journal of Surgical Research, 2011, 170, e123-e134.	0.8	98

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37	Combined Dielectrophoresisâ€“Raman Setup for the Classification of Pathogens Recovered from the Urinary Tract. <i>Analytical Chemistry</i> , 2013, 85, 10717-10724.	3.2	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.	0.4	96
39	Intravascular volume therapy in adults. <i>European Journal of Anaesthesiology</i> , 2016, 33, 488-521.	0.7	95
40	Anemia and blood transfusion in a surgical intensive care unit. <i>Critical Care</i> , 2010, 14, R92.	2.5	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.	0.4	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.	1.8	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.	3.9	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.	3.6	90
45	Recovery of hepatocellular ATP and â€œpericentral apoptosisâ€“after hemorrhage and resuscitation. <i>FASEB Journal</i> , 2003, 17, 993-1002.	0.2	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.	3.9	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, .	2.8	87
48	Metabolite Profiles in Sepsis: Developing Prognostic Tools Based on the Type of Infection*. <i>Critical Care Medicine</i> , 2016, 44, 1649-1662.	0.4	86
49	Coronavirus disease 2019 (COVID-19): update for anesthesiologists and intensivists March 2020. <i>Der Anaesthetist</i> , 2021, 70, 1-10.	0.5	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.	1.1	78
51	Cytokine Response to Pulmonary Thromboendarterectomy. <i>Chest</i> , 2004, 126, 135-141.	0.4	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.	2.0	75
53	Chronic ethanol consumption increases hepatic sinusoidal contractile response to endothelin-1 in the rat. <i>Hepatology</i> , 1995, 22, 1565-1576.	3.6	74
54	PROSPECTIVE ASSESSMENT OF HEPATIC FUNCTION AND MECHANISMS OF DYSFUNCTION IN THE CRITICALLY ILL. <i>Shock</i> , 2009, 32, 358-365.	1.0	73

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55	The liver in sepsis. <i>Current Opinion in Critical Care</i> , 2013, 19, 123-127.	1.6	73
56	Intracellular immune sensing promotes inflammation via gasdermin D-driven release of a lectin alarmin. <i>Nature Immunology</i> , 2021, 22, 154-165.	7.0	73
57	<i>Streptococcus pneumoniae</i> triggers progression of pulmonary fibrosis through pneumolysin. <i>Thorax</i> , 2015, 70, 636-646.	2.7	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.	2.5	71
59	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) and the neuroendocrine stress axis. <i>Molecular Psychiatry</i> , 2020, 25, 1611-1617.	4.1	70
60	Elevated hepatic chemerin mRNA expression in human non-alcoholic fatty liver disease. <i>European Journal of Endocrinology</i> , 2013, 169, 547-557.	1.9	69
61	Automatization of spike correction in Raman spectra of biological samples. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016, 155, 1-6.	1.8	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.	1.6	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.	1.8	67
64	INHIBITORS OF NADPH OXIDASE REDUCE THE ORGAN INJURY IN HEMORRHAGIC SHOCK. <i>Shock</i> , 2005, 23, 107-114.	1.0	65
65	Remembering Pathogen Dose: Long-Term Adaptation in Innate Immunity. <i>Trends in Immunology</i> , 2018, 39, 438-445.	2.9	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.	2.5	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.	1.3	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.	1.8	62
69	REMODELING OF HEPATIC MICROVASCULAR RESPONSIVENESS AFTER ISCHEMIA/REPERFUSION. <i>Shock</i> , 1997, 8, 80-85.	1.0	61
70	Molecular diagnostics of sepsis—Where are we today?†. <i>International Journal of Medical Microbiology</i> , 2010, 300, 411-413.	1.5	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.	0.9	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

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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.	1.3	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.	0.4	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.	0.7	58
76	Cell type-specific delivery of short interfering RNAs by dye-functionalised theranostic nanoparticles. <i>Nature Communications</i> , 2014, 5, 5565.	5.8	58
77	Chronic ethanol consumption increases hepatic sinusoidal contractile response to endothelin-1 in the rat. <i>Hepatology</i> , 1995, 22, 1565-76.	3.6	58
78	Plasma platelet-activating factor acetylhydrolase activity in critically ill patients*. <i>Critical Care Medicine</i> , 2005, 33, 1416-1419.	0.4	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.	2.7	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.	1.1	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.	0.4	50
83	Raman spectroscopic identification of single bacterial cells under antibiotic influence. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 3041-3050.	1.9	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.	1.2	49
85	Effect of nitric oxide on shock-induced hepatic heme oxygenase-1 expression in the rat. <i>Hepatology</i> , 2001, 33, 925-937.	3.6	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.	1.0	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.	1.8	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.	2.2	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.	0.4	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.	1.6	44

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91	Elevation of serum sphingosine-1-phosphate attenuates impaired cardiac function in experimental sepsis. <i>Scientific Reports</i> , 2016, 6, 27594.	1.6	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.	2.5	43
93	Modulation of the inflammatory response to cardiopulmonary bypass by dexamine and epidural anesthesia. <i>Acta Anaesthesiologica Scandinavica</i> , 2002, 46, 1227-1235.	0.7	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.	1.0	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.	0.3	42
96	The Opportunities and Limitations of Minimally Invasive Cardiac Surgery. <i>Deutsches A&#x0308;rztblatt International</i> , 2017, 114, 777-784.	0.6	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.	1.0	42
98	HEPATIC INTERCELLULAR COMMUNICATION IN SHOCK AND INFLAMMATION. <i>Shock</i> , 1994, 2, 1-9.	1.0	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.	3.9	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.	0.4	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.	1.8	41
102	Monocyte-induced recovery of inflammation-associated hepatocellular dysfunction in a biochip-based human liver model. <i>Scientific Reports</i> , 2016, 6, 21868.	1.6	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.	1.8	41
104	CHRONIC ETHANOL CONSUMPTION EXACERBATES LIVER INJURY FOLLOWING HEMORRHAGIC SHOCK. <i>Shock</i> , 1995, 4, 324-331.	1.0	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.	1.0	40
106	Beneficial effect of clopidogrel in a mouse model of polymicrobial sepsis. <i>Journal of Thrombosis and Haemostasis</i> , 2009, 7, 1030-1032.	1.9	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, .	3.3	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.	3.9	40

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109	Endotoxin Desensitization of Human Mononuclear Cells after Cardiopulmonary Bypass. <i>Anesthesiology</i> , 2000, 93, 359-369.	1.3	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.	1.9	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.	1.6	39
112	Hepatic induction of cholesterol biosynthesis reflects a remote adaptive response to pneumococcal pneumonia. <i>FASEB Journal</i> , 2012, 26, 2424-2436.	0.2	38
113	Alternative 5' UTR Untranslated Regions Are Involved in Expression Regulation of Human Heme Oxygenase-1. <i>PLoS ONE</i> , 2013, 8, e77224.	1.1	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.	2.2	38
115	Monocyte Deactivation in Severe Human Sepsis or Following Cardiopulmonary Bypass. <i>Shock</i> , 2002, 17, 354-360.	1.0	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.	3.6	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.	1.1	36
119	Approaching Clinical Reality: Markers for Monitoring Systemic Inflammation and Sepsis. <i>Current Molecular Medicine</i> , 2010, 10, 227-235.	0.6	36
120	ENDOTHELIN-1 AS A REGULATOR OF HEPATIC MICROCIRCULATION. <i>Shock</i> , 1994, 1, 457-465.	1.0	35
121	ADAMTS13 activity is decreased in a septic porcine model. <i>Thrombosis and Haemostasis</i> , 2011, 105, 131-137.	1.8	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.	4.8	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.	3.2	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.	0.1	34
125	Platelet-derived microvesicles induce differential gene expression in monocytic cells: A DNA microarray study. <i>Platelets</i> , 2006, 17, 571-576.	1.1	34
126	Label-Free Imaging and Spectroscopic Analysis of Intracellular Bacterial Infections. <i>Analytical Chemistry</i> , 2015, 87, 2137-2142.	3.2	34

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127	Genetic Factors of the Disease Course After Sepsis: Rare Deleterious Variants Are Predictive. EBioMedicine, 2016, 12, 227-238.	2.7	34
128	Retinol saturase coordinates liver metabolism by regulating ChREBP activity. Nature Communications, 2017, 8, 384.	5.8	34
129	Dual-species transcriptional profiling during systemic candidiasis reveals organ-specific host-pathogen interactions. Scientific Reports, 2016, 6, 36055.	1.6	33
130	MicroRNAs 143 and 150 in whole blood enable detection of T-cell immunoparalysis in sepsis. Molecular Medicine, 2018, 24, 54.	1.9	33
131	Perflubron Emulsion in Prolonged Hemorrhagic Shock. Anesthesiology, 2003, 98, 1391-1399.	1.3	32
132	Mitochondria-Targeted Antioxidants SkQ1 and MitoTEMPO Failed to Exert a Long-Term Beneficial Effect in Murine Polymicrobial Sepsis. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-14.	1.9	32
133	Sleeping with the enemy: Clostridium difficile infection in the intensive care unit. Critical Care, 2017, 21, 260.	2.5	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. Annals of Intensive Care, 2012, 2, S19.	2.2	31
135	Combined inhibition of PI3K ^{Î²} and PI3K ^{Î³} reduces fat mass by enhancing Î±-MSH-dependent sympathetic drive. Science Signaling, 2014, 7, ra110.	1.6	31
136	Evidence for a functional link between stress response and vascular control in hepatic portal circulation. American Journal of Physiology - Renal Physiology, 1996, 271, G929-G935.	1.6	30
137	Metabolism, Metabolome, and Metabolomics in Intensive Care: Is It Time to Move beyond Monitoring of Glucose and Lactate?. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 906-907.	2.5	30
138	Endothelin-1 and heme oxygenase-1 as modulators of sinusoidal tone in the stress-exposed rat liver. Hepatology, 2002, 36, 1453-1465.	3.6	30
139	The Many Roles of Cholesterol in Sepsis: A Review. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 388-396.	2.5	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. Shock, 1995, 3, 27-33.	1.0	30
141	PROINFLAMMATORY CYTOKINE GENE EXPRESSION IN WHOLE BLOOD FROM PATIENTS UNDERGOING CORONARY ARTERY BYPASS SURGERY AND ITS MODULATION BY PENTOXIFYLLINE. Shock, 1998, 9, 12-20.	1.0	29
142	Decreased cytokine production by mononuclear cells after severe gram-negative infections: early clinical signs and association with final outcome. Critical Care, 2017, 21, 48.	2.5	29
143	Circulating Bile Acids in Liver Failure Activate TGR5 and Induce Monocyte Dysfunction. Cellular and Molecular Gastroenterology and Hepatology, 2021, 12, 25-40.	2.3	29
144	A time-dependent balance between endothelins and nitric oxide regulating portal resistance after endotoxin. American Journal of Physiology - Heart and Circulatory Physiology, 1996, 271, H1953-H1961.	1.5	28

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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.	1.0	28
146	Prophylactic hemofiltration in severely traumatized patients: effects on post-traumatic organ dysfunction syndrome. <i>Intensive Care Medicine</i> , 2001, 27, 376-383.	3.9	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.	0.7	28
148	Characterization of different substrates for Raman spectroscopic imaging of eukaryotic cells. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 773-786.	1.2	28
149	Cargo carrier interactions significantly contribute to micellar conformation and biodistribution. <i>NPG Asia Materials</i> , 2017, 9, e444-e444.	3.8	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.	2.3	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.	0.4	27
152	Hepatic Fibrosis in a Long-term Murine Model of Sepsis. <i>Shock</i> , 2012, 37, 399-407.	1.0	27
153	Significance of venous oximetry in the critically ill. <i>Medicina Intensiva</i> , 2008, 32, 134-142.	0.4	26
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