Michael Bauer

List of Publications by Year
in descending order

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		17405	5101
322	31,783	63	166
papers	citations	h-index	g-index

376	376	376	34001
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Many Roles of Cholesterol in Sepsis: A Review. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 388-396.	2.5	30
2	The liver-gut-axis: initiator and responder to sepsis. Current Opinion in Critical Care, 2022, 28, 216-220.	1.6	12
3	Effect of therapeutic drug monitoring-based dose optimization of piperacillin/tazobactam on sepsis-related organ dysfunction in patients with sepsis: a randomized controlled trial. Intensive Care Medicine, 2022, 48, 311-321.	3.9	91
4	Cytokine Hemoadsorption During Cardiac Surgery Versus Standard Surgical Care for Infective Endocarditis (REMOVE): Results From a Multicenter Randomized Controlled Trial. Circulation, 2022, 145, 959-968.	1.6	61
5	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. Clinical Chemistry and Laboratory Medicine, 2022, 60, 891-900.	1.4	6
6	Multiplex quantification of C-terminal alpha-1-antitrypsin peptides provides a novel approach for characterizing systemic inflammation. Scientific Reports, 2022, 12, 3844.	1.6	5
7	Spatial quantification of clinical biomarker pharmacokinetics through deep learning-based segmentation and signal-oriented analysis of MSOT data. Photoacoustics, 2022, 26, 100361.	4.4	8
8	Response to the Correspondence of Helbing et al. â€œMouse sepsis models: don't forget ambient temperature!â€. Intensive Care Medicine Experimental, 2022, 10, .	0.9	0
9	Redefining critical illness. Nature Medicine, 2022, 28, 1141-1148.	15.2	136
10	(1â€‰â†'â€‰3)-Î²-d-Glucan-guided antifungal therapy in adults with sepsis: the CandiSep randomized clinical trial. Intensive Care Medicine, 2022, 48, 865-875.	3.9	22
11	Coronavirus disease 2019 (COVID-19): update for anesthesiologists and intensivists March 2020. Der Anaesthesist, 2021, 70, 1-10.	0.5	83
12	Comparison of albumin dialysis devices molecular adsorbent recirculating system and ADVanced Organ Support system in critically ill patients with liver failureâ€"A retrospective analysis. Therapeutic Apheresis and Dialysis, 2021, 25, 225-236.	0.4	6
13	Targeting Complement C5a Receptor 1 for the Treatment of Immunosuppression in Sepsis. Molecular Therapy, 2021, 29, 338-346.	3.7	24
14	Antibody response using six different serological assays in a completely PCR-tested community after a coronavirus disease 2019 outbreakâ€"the CoNAN study. Clinical Microbiology and Infection, 2021, 27, 470.e1-470.e9.	2.8	26
15	Intracellular immune sensing promotes inflammation via gasdermin Dâ€"driven release of a lectin alarmin. Nature Immunology, 2021, 22, 154-165.	7.0	73
16	Characterization of a library of vitamin A-functionalized polymethacrylate-based nanoparticles for siRNA delivery. Polymer Chemistry, 2021, 12, 911-925.	1.9	5
17	Use of IFNÎ³/IL10 Ratio for Stratification of Hydrocortisone Therapy in Patients With Septic Shock. Frontiers in Immunology, 2021, 12, 607217.	2.2	15
18	The Role of the Pathogen Dose and PI3KÎ³ in Immunometabolic Reprogramming of Microglia for Innate Immune Memory. International Journal of Molecular Sciences, 2021, 22, 2578.	1.8	14

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19	Mid-German Sepsis Cohort (MSC): a prospective observational study of sepsis survivorship. BMJ Open, 2021, 11, e043352.	0.8	6
20	Host cystathionine-Î³ lyase derived hydrogen sulfide protects against Pseudomonas aeruginosa sepsis. PLoS Pathogens, 2021, 17, e1009473.	2.1	12
21	Early postmortem mapping of SARS-CoV-2 RNA in patients with COVID-19 and the correlation with tissue damage. ELife, 2021, 10, .	2.8	87
22	In vivo coherent antiâ€Stokes Raman scattering microscopy reveals vitamin A distribution in the liver. Journal of Biophotonics, 2021, 14, e202100040.	1.1	3
23	Leukocyte Activation Profile Assessed by Raman Spectroscopy Helps Diagnosing Infection and Sepsis. , 2021, 3, e0394.		17
24	The COVID-19 puzzle: deciphering pathophysiology and phenotypes of a new disease entity. Lancet Respiratory Medicine,the, 2021, 9, 622-642.	5.2	371
25	Controlled Release of the Î±-Tocopherol-Derived Metabolite Î±-13â€²-Carboxychromanol from Bacterial Nanocellulose Wound Cover Improves Wound Healing. Nanomaterials, 2021, 11, 1939.	1.9	12
26	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.	7.3	17
27	Complement factor D is linked to platelet activation in human and rodent sepsis. Intensive Care Medicine Experimental, 2021, 9, 41.	0.9	0
28	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. PLoS ONE, 2021, 16, e0256113.	1.1	13
29	Diagnostic Performance of Procalcitonin for the Early Identification of Sepsis in Patients with Elevated qSOFA Score at Emergency Admission. Journal of Clinical Medicine, 2021, 10, 3869.	1.0	4
30	The impact of specific cytokine directed treatment on severe COVID-19. Leukemia, 2021, 35, 3613-3615.	3.3	3
31	Targeted delivery of a phosphoinositide 3â€kinase Î³ inhibitor to restore organ function in sepsis. EMBO Molecular Medicine, 2021, 13, e14436.	3.3	14
32	Biochemical Analysis of Leukocytes after In Vitro and In Vivo Activation with Bacterial and Fungal Pathogens Using Raman Spectroscopy. International Journal of Molecular Sciences, 2021, 22, 10481.	1.8	12
33	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
34	Fever and hypothermia represent two populations of sepsis patients and are associated with outside temperature. Critical Care, 2021, 25, 368.	2.5	24
35	Trained innate immunity, long-lasting epigenetic modulation, and skewed myelopoiesis by heme. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	40
36	Safety and tolerability of non-neutralizing adrenomedullin antibody adrecizumab (HAM8101) in septic shock patients: the AdrenOSS-2 phase 2a biomarker-guided trial. Intensive Care Medicine, 2021, 47, 1284-1294.	3.9	40

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37	Efficacy and Safety of Vilobelimab (IFX-1), a Novel Monoclonal Anti-C5a Antibody, in Patients With Early Severe Sepsis or Septic Shockâ€"A Randomized, Placebo-Controlled, Double-Blind, Multicenter, Phase IIa Trial (SCIENS Study). , 2021, 3, e0577.		15
38	Intracellularly Released Cholesterol from Polymer-Based Delivery Systems Alters Cellular Responses to Pneumolysin and Promotes Cell Survival. Metabolites, 2021, 11, 821.	1.3	3
39	An integrative understanding of the large metabolic shifts induced by antibiotics in critical illness. Gut Microbes, 2021, 13, 1993598.	4.3	10
40	Activation of Sphingomyelinase-Ceramide-Pathway in COVID-19 Purposes Its Inhibition for Therapeutic Strategies. Frontiers in Immunology, 2021, 12, 784989.	2.2	15
41	Biomarkers of Cholestasis and Liver Injury in the Early Phase of Acute Respiratory Distress Syndrome and Their Pathophysiological Value. Diagnostics, 2021, 11, 2356.	1.3	5
42	Towards an ecological definition of sepsis: a viewpoint. Intensive Care Medicine Experimental, 2021, 9, 63.	0.9	2
43	Intraoperative reduction of vasopressors using processed electroencephalographic monitoring in patients undergoing elective cardiac surgery: a randomized clinical trial. Journal of Clinical Monitoring and Computing, 2020, 34, 71-80.	0.7	11
44	Sepsis 2019 â€“ New Trends and Their Implications for Multiple Trauma Patients. Zeitschrift Fur Orthopadie Und Unfallchirurgie, 2020, 158, 81-89.	0.4	10
45	The persistent potential of extracorporeal therapies in liver failure. Intensive Care Medicine, 2020, 46, 528-530.	3.9	5
46	Association of proteome and metabolome signatures with severity in patients with community-acquired pneumonia. Journal of Proteomics, 2020, 214, 103627.	1.2	6
47	Polymethine Dye-Functionalized Nanoparticles for Targeting CML Stem Cells. Molecular Therapy - Oncolytics, 2020, 18, 372-381.	2.0	4
48	Infliximab against severe COVID-19-induced cytokine storm syndrome with organ failureâ€"a cautionary case series. Critical Care, 2020, 24, 444.	2.5	71
49	Formulation of Liver-Specific PLGA-DY-635 Nanoparticles Loaded with the Protein Kinase C Inhibitor Bisindolylmaleimide I. Pharmaceutics, 2020, 12, 1110.	2.0	6
50	Randomized controlled multicentre study of albumin replacement therapy in septic shock (ARISS): protocol for a randomized controlled trial. Trials, 2020, 21, 1002.	0.7	15
51	Reduced Mrp2 surface availability as PI3KÎ³-mediated hepatocytic dysfunction reflecting a hallmark of cholestasis in sepsis. Scientific Reports, 2020, 10, 13110.	1.6	2
52	Photoisomerization Neutralizes Vasoconstrictive Activity of a Heme Degradation Product. ACS Omega, 2020, 5, 21401-21411.	1.6	2
53	Memory-Like Responses of Brain Microglia Are Controlled by Developmental State and Pathogen Dose. Frontiers in Immunology, 2020, 11, 546415.	2.2	22
54	Lipid metabolic signatures deviate in sepsis survivors compared to non-survivors. Computational and Structural Biotechnology Journal, 2020, 18, 3678-3691.	1.9	15

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55	Mortality in sepsis and septic shock in Europe, North America and Australia between 2009 and 2019â€" results from a systematic review and meta-analysis. Critical Care, 2020, 24, 239.	2.5	285
56	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) and the neuroendocrine stress axis. Molecular Psychiatry, 2020, 25, 1611-1617.	4.1	70
57	Die zellulÃre Basis des Organversagens bei Sepsis â€" Signalwege in GewebeschÃdigung und Reparaturprozessen. Medizinische Klinik - Intensivmedizin Und Notfallmedizin, 2020, 115, 4-9.	0.4	8
58	Detection and Differentiation of Bacterial and Fungal Infection of Neutrophils from Peripheral Blood Using Raman Spectroscopy. Analytical Chemistry, 2020, 92, 10560-10568.	3.2	35
59	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. BMJ Open, 2020, 10, e036527.	0.8	10
60	Changes in inflammatory and vasoactive mediator profiles during valvular surgery with or without infective endocarditis: A case control pilot study. PLoS ONE, 2020, 15, e0228286.	1.1	25
61	Markov State Modelling of Disease Courses and Mortality Risks of Patients with Community-Acquired Pneumonia. Journal of Clinical Medicine, 2020, 9, 393.	1.0	3
62	What does critical illness do to the liver?. , 2020, , 497-499.e1.		0
63	Mucosal-Associated Invariant T Cells Redistribute to the Peritoneal Cavity During Spontaneous Bacterial Peritonitis and Contribute to Peritoneal Inflammation. Cellular and Molecular Gastroenterology and Hepatology, 2020, 9, 661-677.	2.3	24
64	Minimallyâ€invasive parasternal aortic valve replacementâ€"A slow learning curve towards improved outcomes. Journal of Cardiac Surgery, 2020, 35, 544-548.	0.3	7
65	Assessing efficacy of CytoSorb haemoadsorber for prevention of organ dysfunction in cardiac surgery patients with infective endocarditis: REMOVE-protocol for randomised controlled trial. BMJ Open, 2020, 10, e031912.	0.8	14
66	Association between high dose catecholamine support and liver dysfunction following cardiac surgery. Journal of Cardiac Surgery, 2020, 35, 1228-1236.	0.3	5
67	Sepsis as Organ and Health System Failure. Annual Update in Intensive Care and Emergency Medicine, 2020, , 623-631.	0.1	0
68	Letter: SARS-CoV-2-induced gastrointestinal inflammation. Alimentary Pharmacology and Therapeutics, 2020, 52, 1748-1749.	1.9	8
69	Microphysiological systems meet hiPSC technology â€" New tools for disease modeling of liver infections in basic research and drug development. Advanced Drug Delivery Reviews, 2019, 140, 51-67.	6.6	23
70	Microorganisms @ materials surfaces in aircraft: Potential risks for public health? â€" A systematic review. Travel Medicine and Infectious Disease, 2019, 28, 6-14.	1.5	22
71	Labile heme impairs hepatic microcirculation and promotes hepatic injury. Archives of Biochemistry and Biophysics, 2019, 672, 108075.	1.4	21
72	Pulmonary complications in liver disease. Intensive Care Medicine, 2019, 45, 1433-1435.	3.9	4

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73	Current gaps in sepsis immunology: new opportunities for translational research. Lancet Infectious Diseases, The, 2019, 19, e422-e436.	4.6	205
74	Identification of suitable controls for miRNA quantification in T-cells and whole blood cells in sepsis. Scientific Reports, 2019, 9, 15735.	1.6	11
75	Late Peaks of HMGB1 and Sepsis Outcome: Evidence For Synergy With Chronic Inflammatory Disorders. Shock, 2019, 52, 334-339.	1.0	21
76	Myocardial Strain and Cardiac Output are Preferable Measurements for Cardiac Dysfunction and Can Predict Mortality in Septic Mice. Journal of the American Heart Association, 2019, 8, e012260.	1.6	39
77	One step closer to precision medicine for infectious diseases. Lancet Infectious Diseases, The, 2019, 19, 564-565.	4.6	9
78	Sodium Thiosulfate: A New Player for Circulatory Shock and Ischemia/Reperfusion Injury?. Annual Update in Intensive Care and Emergency Medicine, 2019, , 183-198.	0.1	1
79	Sequential organ failure assessment score is an excellent operationalization of disease severity of adult patients with hospitalized community acquired pneumonia â€“ results from the prospective observational PROGRESS study. Critical Care, 2019, 23, 110.	2.5	43
80	Part II: Minimum Quality Threshold in Preclinical Sepsis Studies (MQTiPSS) for Types of Infections and Organ Dysfunction Endpoints. Shock, 2019, 51, 23-32.	1.0	42
81	Sepsis induces long-lasting impairments in CD4+ T-cell responses despite rapid numerical recovery of T-lymphocyte populations. PLoS ONE, 2019, 14, e0211716.	1.1	23
82	Liberal transfusion strategy to prevent mortality and anaemia-associated, ischaemic events in elderly non-cardiac surgical patients â€“ the study design of the LIBERAL-Trial. Trials, 2019, 20, 101.	0.7	20
83	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, .	1.0	0
84	Memory-Like Inflammatory Responses of Microglia to Rising Doses of LPS: Key Role of PI3KÎ³. Frontiers in Immunology, 2019, 10, 2492.	2.2	47
85	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.	1.8	17
86	Pathogen-Induced Hormetic Responses. , 2019, , 161-170.		1
87	Raman Spectroscopy Follows Time-Dependent Changes in T Lymphocytes Isolated from Spleen of Endotoxemic Mice. ImmunoHorizons, 2019, 3, 45-60.	0.8	22
88	Minimally Invasive Parasternal Aortic Valve Replacement: A Slow Learning Curve toward Improved Outcomes. Thoracic and Cardiovascular Surgeon, 2019, 67, .	0.4	0
89	Studies into Slo1 K + channels and their ligand docosahexaenoic acid in murine sepsis to delineate off-target effects of immunonutrition. Life Sciences, 2018, 203, 112-120.	2.0	1
90	Early adjustment of antimicrobial therapy after PCR/electrospray ionization mass spectrometry-based pathogen detection in critically ill patients with suspected sepsis. Clinical Chemistry and Laboratory Medicine, 2018, 56, e207-e209.	1.4	3

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91	Haplotypes composed of minor frequency single nucleotide polymorphisms of the TNF gene protect from progression into sepsis: A study using the new sepsis classification. International Journal of Infectious Diseases, 2018, 67, 102-106.	1.5	11
92	Remembering Pathogen Dose: Long-Term Adaptation in Innate Immunity. Trends in Immunology, 2018, 39, 438-445.	2.9	64
93	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
94	Candida albicans Î²-Glucan Differentiates Human Monocytes Into a Specific Subset of Macrophages. Frontiers in Immunology, 2018, 9, 2818.	2.2	38
95	Effect of Magnesium Loading Dose on Insulin Resistance in Patients With Stress-Induced Hyperglycemia: A Randomized Clinical Trial. Journal of Intensive Care Medicine, 2018, , 088506661880386.	1.3	1
96	MicroRNAs 143 and 150 in whole blood enable detection of T-cell immunoparalysis in sepsis. Molecular Medicine, 2018, 24, 54.	1.9	33
97	Low-dose hydrocortisone prolongs survival in a lethal sepsis model in adrenalectomized rats. Journal of Surgical Research, 2018, 227, 72-80.	0.8	6
98	Deterioration of Organ Function As a Hallmark in Sepsis: The Cellular Perspective. Frontiers in Immunology, 2018, 9, 1460.	2.2	26
99	Minimum Quality Threshold in Pre-Clinical Sepsis Studies (MQTiPSS): an international expert consensus initiative for improvement of animal modeling in sepsis. Infection, 2018, 46, 687-691.	2.3	28
100	Molecular signatures of liver dysfunction are distinct in fungal and bacterial infections in mice. Theranostics, 2018, 8, 3766-3780.	4.6	12
101	Minimum quality threshold in pre-clinical sepsis studies (MQTiPSS): an international expert consensus initiative for improvement of animal modeling in sepsis. Intensive Care Medicine Experimental, 2018, 6, 26.	0.9	61
102	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.	1.1	18
103	Simvastatin pre-treatment improves survival and mitochondrial function in a 3-day fluid-resuscitated rat model of sepsis. Clinical Science, 2017, 131, 747-758.	1.8	12
104	Impact of higher-order heme degradation products on hepatic function and hemodynamics. Journal of Hepatology, 2017, 67, 272-281.	1.8	16
105	Metabolic Adaptation Establishes Disease Tolerance to Sepsis. Cell, 2017, 169, 1263-1275.e14.	13.5	207
106	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
107	Impact of perioperative liver dysfunction on in-hospital mortality and long-term survival in infective endocarditis patients. Infection, 2017, 45, 857-866.	2.3	24
108	Retinol saturase coordinates liver metabolism by regulating ChREBP activity. Nature Communications, 2017, 8, 384.	5.8	34

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109	Uptake of Retinoic Acidâ€Modified PMMA Nanoparticles in LXâ€2 and Liver Tissue by Raman Imaging and Intravital Microscopy. Macromolecular Bioscience, 2017, 17, 1700064.	2.1	12
110	Fast simultaneous assessment of renal and liver function using polymethine dyes in animal models of chronic and acute organ injury. Scientific Reports, 2017, 7, 15397.	1.6	7
111	Cargoâ€“carrier interactions significantly contribute to micellar conformation and biodistribution. NPG Asia Materials, 2017, 9, e444-e444.	3.8	28
112	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
113	Increased lipogenesis in spite of upregulated hepatic 5'AMPâ€activated protein kinase in human nonâ€alcoholic fatty liver. Hepatology Research, 2017, 47, 890-901.	1.8	22
114	Biomarkers in Inflammation. , 2017, , 1539-1566.		0
115	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
116	Limited evidence to recommend lactate kinetics-guided therapy. Critical Care, 2017, 21, 167.	2.5	1
117	Sleeping with the enemy: Clostridium difficile infection in the intensive care unit. Critical Care, 2017, 21, 260.	2.5	32
118	The Opportunities and Limitations of Minimally Invasive Cardiac Surgery. Deutsches Ärzteblatt International, 2017, 114, 777-784.	0.6	42
119	Molecular adsorbent recirculating system and single-pass albumin dialysis in liver failure â€“ a prospective, randomised crossover study. Critical Care, 2016, 20, 2.	2.5	63
120	Metabolite Profiles in Sepsis: Developing Prognostic Tools Based on the Type of Infection*. Critical Care Medicine, 2016, 44, 1649-1662.	0.4	86
121	Immunoproteomic Analysis of Antibody Responses to Extracellular Proteins of Candida albicans Revealing the Importance of Glycosylation for Antigen Recognition. Journal of Proteome Research, 2016, 15, 2394-2406.	1.8	14
122	Characterization of different substrates for Raman spectroscopic imaging of eukaryotic cells. Journal of Raman Spectroscopy, 2016, 47, 773-786.	1.2	28
123	An Integrated Clinico-transcriptomic Approach Identifies a Central Role of the Heme Degradation Pathway for Septic Complications after Trauma. Annals of Surgery, 2016, 264, 1125-1134.	2.1	13
124	Elevation of serum sphingosine-1-phosphate attenuates impaired cardiac function in experimental sepsis. Scientific Reports, 2016, 6, 27594.	1.6	43
125	Monocyte-induced recovery of inflammation-associated hepatocellular dysfunction in a biochip-based human liver model. Scientific Reports, 2016, 6, 21868.	1.6	41
126	Automatization of spike correction in Raman spectra of biological samples. Chemometrics and Intelligent Laboratory Systems, 2016, 155, 1-6.	1.8	68

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127	High Copy Numbers of Î²-Defensin Cluster on 8p23.1, Confer Genetic Susceptibility, and Modulate the Physical Course of Hidradenitis Suppurativa/Acne Inversa. Journal of Investigative Dermatology, 2016, 136, 1592-1598.	0.3	42
128	PROGRESS â€“ prospective observational study on hospitalized community acquired pneumonia. BMC Pulmonary Medicine, 2016, 16, 108.	0.8	15
129	Isolation and Identification of Intermediates of the Oxidative Bilirubin Degradation. Organic Letters, 2016, 18, 4432-4435.	2.4	16
130	Hepatic cirrhosis and recovery as reflected by Raman spectroscopy: information revealed by statistical analysis might lead to a prognostic biomarker. Analytical and Bioanalytical Chemistry, 2016, 408, 8053-8063.	1.9	12
131	Genetic Factors of the Disease Course After Sepsis: Rare Deleterious Variants Are Predictive. EBioMedicine, 2016, 12, 227-238.	2.7	34
132	Single cell analysis in native tissue: Quantification of the retinoid content of hepatic stellate cells. Scientific Reports, 2016, 6, 24155.	1.6	17
133	Dual-species transcriptional profiling during systemic candidiasis reveals organ-specific host-pathogen interactions. Scientific Reports, 2016, 6, 36055.	1.6	33
134	Hepatic Vitamin A Content Investigation Using Coherent Antiâ€Stokes Raman Scattering Microscopy. ChemPhysChem, 2016, 17, 4043-4051.	1.0	8
135	A new fluorescent dye for cell tracing and mitochondrial imaging in vitro and in vivo. Journal of Biophotonics, 2016, 9, 888-900.	1.1	6
136	Intravascular volume therapy in adults. European Journal of Anaesthesiology, 2016, 33, 488-521.	0.7	95
137	A Transcriptomic Biomarker to Quantify Systemic Inflammation in Sepsis â€" A Prospective Multicenter Phase II Diagnostic Study. EBioMedicine, 2016, 6, 114-125.	2.7	53
138	CORM-EDE1: A Highly Water-Soluble and Nontoxic Manganese-Based photoCORM with a Biogenic Ligand Sphere. Inorganic Chemistry, 2016, 55, 104-113.	1.9	39
139	Fetuin A is a Predictor of Liver Fat in Preoperative Patients with Nonalcoholic Fatty Liver Disease. Journal of Investigative Surgery, 2016, 29, 266-274.	0.6	20
140	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
141	Chemerin in peritoneal sepsis and its associations with glucose metabolism and prognosis: a translational cross-sectional study. Critical Care, 2016, 20, 39.	2.5	24
142	Polymorphisms of cystathionine beta-synthase gene are associated with susceptibility to sepsis. European Journal of Human Genetics, 2016, 24, 1041-1048.	1.4	8
143	ErnÃhrung und Dysfunktion von Leber und Magen-Darm-Trakt. , 2016, , 179-196.		0
144	Improvement of prognostic performance in severely injured patients by integrated clinico-transcriptomics: a translational approach. Critical Care, 2015, 19, 414.	2.5	18

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145	Regional Citrate Anticoagulation for Continuous Renal Replacement Therapy in the Perioperative Care of Liver Transplant Recipients: A Single Center Experience. Therapeutic Apheresis and Dialysis, 2015, 19, 8-15.	0.4	15
146	Enhanced sphingosine-1-phosphate levels ameliorate murine septic cardiomyopathy. Intensive Care Medicine Experimental, 2015, 3, .	0.9	0
147	Intravenous Immunoglobulin with Enhanced Polyspecificity Improves Survival in Experimental Sepsis and Aseptic Systemic Inflammatory Response Syndromes. Molecular Medicine, 2015, 21, 1002-1010.	1.9	24
148	Preserved Expression of mRNA Coding von Willebrand Factor-Cleaving Protease ADAMTS13 by Selenite and Activated Protein C. Molecular Medicine, 2015, 21, 355-363.	1.9	5
149	Label-Free Imaging and Spectroscopic Analysis of Intracellular Bacterial Infections. Analytical Chemistry, 2015, 87, 2137-2142.	3.2	34
150	Multi-pathogen real-time PCR system adds benefit for my patients: yes. Intensive Care Medicine, 2015, 41, 528-530.	3.9	4
151	Streptococcus pneumoniae triggers progression of pulmonary fibrosis through pneumolysin. Thorax, 2015, 70, 636-646.	2.7	71
152	A microfluidically perfused three dimensional human liver model. Biomaterials, 2015, 71, 119-131.	5.7	192
153	Comparison of the uptake of methacrylate-based nanoparticles in static and dynamic in vitro systems as well as in vivo. Journal of Controlled Release, 2015, 216, 158-168.	4.8	35
154	Phosphoinositide 3-kinase gamma controls inflammation-induced myocardial depression via sequential cAMP and iNOS signalling. Cardiovascular Research, 2015, 108, 243-253.	1.8	20
155	PI3K signaling in the pathogenesis of obesity: The cause and the cure. Advances in Biological Regulation, 2015, 58, 1-15.	1.4	26
156	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.	1.2	18
157	Alternative Splicing of SMPD1 in Human Sepsis. PLoS ONE, 2015, 10, e0124503.	1.1	13
158	Monitoring der Leberfunktion bei Intensivpatienten. , 2015, , 143-152.		0
159	Immunosuppression after Sepsis: Systemic Inflammation and Sepsis Induce a Loss of NaÃ¯ve T-Cells but No Enduring Cell-Autonomous Defects in T-Cell Function. PLoS ONE, 2014, 9, e115094.	1.1	52
160	Anticoagulation Strategies in Venovenous Hemodialysis in Critically Ill Patients: A Five-Year Evaluation in a Surgical Intensive Care Unit. Scientific World Journal, The, 2014, 2014, 1-7.	0.8	5
161	Impact of plasma histones in human sepsis and their contribution to cellular injury and inflammation. Critical Care, 2014, 18, 543.	2.5	173
162	Phosphoinositide 3-Kinase Î³ Affects LPS-Induced Disturbance of Bloodâ€“Brain Barrier Via Lipid Kinase-Independent Control of cAMP in Microglial Cells. NeuroMolecular Medicine, 2014, 16, 704-713.	1.8	41

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163	Shades of yellow: Monitoring nutritional needs and hepatobiliary function in the critically ill. Hepatology, 2014, 60, 26-29.	3.6	4
164	Comparative suitability of CFDAâ€SE and rhodamine 6G for in vivo assessment of leukocyteâ€endothelium interactions. Journal of Biophotonics, 2014, 7, 369-375.	1.1	9
165	Cell type-specific delivery of short interfering RNAs by dye-functionalised theranostic nanoparticles. Nature Communications, 2014, 5, 5565.	5.8	58
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