

Michael Bauer

List of Publications by Year in descending order

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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 Many Roles of Cholesterol in Sepsis: A Review. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 388-396.	5.6	30
2	The liver-gut-axis: initiator and responder to sepsis. Current Opinion in Critical Care, 2022, 28, 216-220.	3.2	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.	8.2	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.	2.3	6
6	Multiplex quantification of C-terminal alpha-1-antitrypsin peptides provides a novel approach for characterizing systemic inflammation. Scientific Reports, 2022, 12, 3844.	3.3	5
7	Spatial quantification of clinical biomarker pharmacokinetics through deep learning-based segmentation and signal-oriented analysis of MSOT data. Photoacoustics, 2022, 26, 100361.	7.8	8
8	Response to the Correspondence of Helbing et al. "Mouse sepsis models: don't forget ambient temperature!" Intensive Care Medicine Experimental, 2022, 10, .	1.9	0
9	Redefining critical illness. Nature Medicine, 2022, 28, 1141-1148.	30.7	136
10	(1 α ,25-dihydroxyvitamin D ₃)-d-Glucan-guided antifungal therapy in adults with sepsis: the CandiSep randomized clinical trial. Intensive Care Medicine, 2022, 48, 865-875.	8.2	22
11	Coronavirus disease 2019 (COVID-19): update for anesthesiologists and intensivists March 2020. Der Anaesthetist, 2021, 70, 1-10.	1.2	83
12	Comparison of albumin dialysis devices molecular adsorbent recirculating system and ADVanced Organ Support system in critically ill patients with liver failure—a retrospective analysis. Therapeutic Apheresis and Dialysis, 2021, 25, 225-236.	0.9	6
13	Targeting Complement C5a Receptor 1 for the Treatment of Immunosuppression in Sepsis. Molecular Therapy, 2021, 29, 338-346.	8.2	24
14	Antibody response using six different serological assays in a completely PCR-tested community after a coronavirus disease 2019 outbreak—the CoNAN study. Clinical Microbiology and Infection, 2021, 27, 470.e1-470.e9.	6.0	26
15	Intracellular immune sensing promotes inflammation via gasdermin D-driven release of a lectin alarmin. Nature Immunology, 2021, 22, 154-165.	14.5	73
16	Characterization of a library of vitamin A-functionalized polymethacrylate-based nanoparticles for siRNA delivery. Polymer Chemistry, 2021, 12, 911-925.	3.9	5
17	Use of IFN γ /IL10 Ratio for Stratification of Hydrocortisone Therapy in Patients With Septic Shock. Frontiers in Immunology, 2021, 12, 607217.	4.8	15
18	The Role of the Pathogen Dose and PI3K δ in Immunometabolic Reprogramming of Microglia for Innate Immune Memory. International Journal of Molecular Sciences, 2021, 22, 2578.	4.1	14

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19	Mid-German Sepsis Cohort (MSC): a prospective observational study of sepsis survivorship. <i>BMJ Open</i> , 2021, 11, e043352.	1.9	6
20	Host cystathionine- β lyase derived hydrogen sulfide protects against <i>Pseudomonas aeruginosa</i> sepsis. <i>PLoS Pathogens</i> , 2021, 17, e1009473.	4.7	12
21	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
22	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
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. <i>Lancet Respiratory Medicine</i> , 2021, 9, 622-642.	10.7	371
25	Controlled Release of the α -Tocopherol-Derived Metabolite α -13 β -Carboxychromanol from Bacterial Nanocellulose Wound Cover Improves Wound Healing. <i>Nanomaterials</i> , 2021, 11, 1939.	4.1	12
26	Stealth Effect of Short Polyoxazolines in Graft Copolymers: Minor Changes of Backbone End Group Determine Liver Cell-Type Specificity. <i>ACS Nano</i> , 2021, 15, 12298-12313.	14.6	17
27	Complement factor D is linked to platelet activation in human and rodent sepsis. <i>Intensive Care Medicine Experimental</i> , 2021, 9, 41.	1.9	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. <i>PLoS ONE</i> , 2021, 16, e0256113.	2.5	13
29	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
30	The impact of specific cytokine directed treatment on severe COVID-19. <i>Leukemia</i> , 2021, 35, 3613-3615.	7.2	3
31	Targeted delivery of a phosphoinositide 3-kinase β inhibitor to restore organ function in sepsis. <i>EMBO Molecular Medicine</i> , 2021, 13, e14436.	6.9	14
32	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
33	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
34	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
35	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
36	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

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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. <i>Metabolites</i> , 2021, 11, 821.	2.9	3
39	An integrative understanding of the large metabolic shifts induced by antibiotics in critical illness. <i>Gut Microbes</i> , 2021, 13, 1993598.	9.8	10
40	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
41	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
42	Towards an ecological definition of sepsis: a viewpoint. <i>Intensive Care Medicine Experimental</i> , 2021, 9, 63.	1.9	2
43	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
44	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
45	The persistent potential of extracorporeal therapies in liver failure. <i>Intensive Care Medicine</i> , 2020, 46, 528-530.	8.2	5
46	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
47	Polymethine Dye-Functionalized Nanoparticles for Targeting CML Stem Cells. <i>Molecular Therapy - Oncolytics</i> , 2020, 18, 372-381.	4.4	4
48	Infliximab against severe COVID-19-induced cytokine storm syndrome with organ failureâ€”a cautionary case series. <i>Critical Care</i> , 2020, 24, 444.	5.8	71
49	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
50	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
51	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
52	Photoisomerization Neutralizes Vasoconstrictive Activity of a Heme Degradation Product. <i>ACS Omega</i> , 2020, 5, 21401-21411.	3.5	2
53	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
54	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

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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. <i>Critical Care</i> , 2020, 24, 239.	5.8	285
56	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
57	Die zellulÄre Basis des Organversagens bei Sepsis â€” Signalwege in GewebeschÄdigung und Reparaturprozessen. <i>Medizinische Klinik - Intensivmedizin Und Notfallmedizin</i> , 2020, 115, 4-9.	1.1	8
58	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
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. <i>BMJ Open</i> , 2020, 10, e036527.	1.9	10
60	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
61	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
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. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2020, 9, 661-677.	4.5	24
64	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
65	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
66	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
67	Sepsis as Organ and Health System Failure. <i>Annual Update in Intensive Care and Emergency Medicine</i> , 2020, , 623-631.	0.2	0
68	Letter: SARS-CoV-2-induced gastrointestinal inflammation. <i>Alimentary Pharmacology and Therapeutics</i> , 2020, 52, 1748-1749.	3.7	8
69	Microphysiological systems meet hiPSC technology â€” 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
70	Microorganisms @ materials surfaces in aircraft: Potential risks for public health? â€” A systematic review. <i>Travel Medicine and Infectious Disease</i> , 2019, 28, 6-14.	3.0	22
71	Labile heme impairs hepatic microcirculation and promotes hepatic injury. <i>Archives of Biochemistry and Biophysics</i> , 2019, 672, 108075.	3.0	21
72	Pulmonary complications in liver disease. <i>Intensive Care Medicine</i> , 2019, 45, 1433-1435.	8.2	4

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73	Current gaps in sepsis immunology: new opportunities for translational research. <i>Lancet Infectious Diseases, The</i> , 2019, 19, e422-e436.	9.1	205
74	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
75	Late Peaks of HMGB1 and Sepsis Outcome: Evidence For Synergy With Chronic Inflammatory Disorders. <i>Shock</i> , 2019, 52, 334-339.	2.1	21
76	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
77	One step closer to precision medicine for infectious diseases. <i>Lancet Infectious Diseases, The</i> , 2019, 19, 564-565.	9.1	9
78	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
79	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
80	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
81	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
82	Liberal transfusion strategy to prevent mortality and anaemia-associated, ischaemic events in elderly non-cardiac surgical patients – the study design of the LIBERAL-Trial. <i>Trials</i> , 2019, 20, 101.	1.6	20
83	P5452 First 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. <i>European Heart Journal</i> , 2019, 40, .	2.2	0
84	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
85	A pilot study of exercise-induced changes in mitochondrial oxygen metabolism measured by a cellular oxygen metabolism monitor (PICOMET). <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 749-758.	3.8	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. <i>ImmunoHorizons</i> , 2019, 3, 45-60.	1.8	22
88	Minimally Invasive Parasternal Aortic Valve Replacement: A Slow Learning Curve toward Improved Outcomes. <i>Thoracic and Cardiovascular Surgeon</i> , 2019, 67, .	1.0	0
89	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
90	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

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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. <i>International Journal of Infectious Diseases</i> , 2018, 67, 102-106.	3.3	11
92	Remembering Pathogen Dose: Long-Term Adaptation in Innate Immunity. <i>Trends in Immunology</i> , 2018, 39, 438-445.	6.8	64
93	Minimum Quality Threshold in Pre-Clinical Sepsis Studies (MQTiPSS): An International Expert Consensus Initiative for Improvement of Animal Modeling in Sepsis. <i>Shock</i> , 2018, 50, 377-380.	2.1	141
94	<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
95	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
96	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
97	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
98	Deterioration of Organ Function As a Hallmark in Sepsis: The Cellular Perspective. <i>Frontiers in Immunology</i> , 2018, 9, 1460.	4.8	26
99	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
100	Molecular signatures of liver dysfunction are distinct in fungal and bacterial infections in mice. <i>Theranostics</i> , 2018, 8, 3766-3780.	10.0	12
101	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
102	IL-7 treatment augments and prolongs sepsis-induced expansion of IL-10-producing B lymphocytes and myeloid-derived suppressor cells. <i>PLoS ONE</i> , 2018, 13, e0192304.	2.5	18
103	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
104	Impact of higher-order heme degradation products on hepatic function and hemodynamics. <i>Journal of Hepatology</i> , 2017, 67, 272-281.	3.7	16
105	Metabolic Adaptation Establishes Disease Tolerance to Sepsis. <i>Cell</i> , 2017, 169, 1263-1275.e14.	28.9	207
106	Incidence of severe critical events in paediatric anaesthesia (APRICOT): a prospective multicentre observational study in 261 hospitals in Europe. <i>Lancet Respiratory Medicine</i> , 2017, 5, 412-425.	10.7	502
107	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
108	Retinol saturase coordinates liver metabolism by regulating ChREBP activity. <i>Nature Communications</i> , 2017, 8, 384.	12.8	34

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109	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
110	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
111	Cargo-carrier interactions significantly contribute to micellar conformation and biodistribution. <i>NPG Asia Materials</i> , 2017, 9, e444-e444.	7.9	28
112	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
113	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
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. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-14.	4.0	32
116	Limited evidence to recommend lactate kinetics-guided therapy. <i>Critical Care</i> , 2017, 21, 167.	5.8	1
117	Sleeping with the enemy: Clostridium difficile infection in the intensive care unit. <i>Critical Care</i> , 2017, 21, 260.	5.8	32
118	The Opportunities and Limitations of Minimally Invasive Cardiac Surgery. <i>Deutsches Arzteblatt International</i> , 2017, 114, 777-784.	0.9	42
119	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
120	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
121	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
122	Characterization of different substrates for Raman spectroscopic imaging of eukaryotic cells. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 773-786.	2.5	28
123	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
124	Elevation of serum sphingosine-1-phosphate attenuates impaired cardiac function in experimental sepsis. <i>Scientific Reports</i> , 2016, 6, 27594.	3.3	43
125	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
126	Automatization of spike correction in Raman spectra of biological samples. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016, 155, 1-6.	3.5	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. <i>Journal of Investigative Dermatology</i> , 2016, 136, 1592-1598.	0.7	42
128	PROGRESS â€” prospective observational study on hospitalized community acquired pneumonia. <i>BMC Pulmonary Medicine</i> , 2016, 16, 108.	2.0	15
129	Isolation and Identification of Intermediates of the Oxidative Bilirubin Degradation. <i>Organic Letters</i> , 2016, 18, 4432-4435.	4.6	16
130	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
131	Genetic Factors of the Disease Course After Sepsis: Rare Deleterious Variants Are Predictive. <i>EBioMedicine</i> , 2016, 12, 227-238.	6.1	34
132	Single cell analysis in native tissue: Quantification of the retinoid content of hepatic stellate cells. <i>Scientific Reports</i> , 2016, 6, 24155.	3.3	17
133	Dual-species transcriptional profiling during systemic candidiasis reveals organ-specific host-pathogen interactions. <i>Scientific Reports</i> , 2016, 6, 36055.	3.3	33
134	Hepatic Vitamin A Content Investigation Using Coherent Anti-Stokes Raman Scattering Microscopy. <i>ChemPhysChem</i> , 2016, 17, 4043-4051.	2.1	8
135	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
136	Intravascular volume therapy in adults. <i>European Journal of Anaesthesiology</i> , 2016, 33, 488-521.	1.7	95
137	A Transcriptomic Biomarker to Quantify Systemic Inflammation in Sepsis â€” A Prospective Multicenter Phase II Diagnostic Study. <i>EBioMedicine</i> , 2016, 6, 114-125.	6.1	53
138	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
139	Fetuin A is a Predictor of Liver Fat in Preoperative Patients with Nonalcoholic Fatty Liver Disease. <i>Journal of Investigative Surgery</i> , 2016, 29, 266-274.	1.3	20
140	The Third International Consensus Definitions for Sepsis and Septic Shock (Sepsis-3). <i>JAMA - Journal of the American Medical Association</i> , 2016, 315, 801.	7.4	16,554
141	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
142	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
143	ErnÃ¼hrung 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. <i>Critical Care</i> , 2015, 19, 414.	5.8	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. <i>Therapeutic Apheresis and Dialysis</i> , 2015, 19, 8-15.	0.9	15
146	Enhanced sphingosine-1-phosphate levels ameliorate murine septic cardiomyopathy. <i>Intensive Care Medicine Experimental</i> , 2015, 3, .	1.9	0
147	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
148	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
149	Label-Free Imaging and Spectroscopic Analysis of Intracellular Bacterial Infections. <i>Analytical Chemistry</i> , 2015, 87, 2137-2142.	6.5	34
150	Multi-pathogen real-time PCR system adds benefit for my patients: yes. <i>Intensive Care Medicine</i> , 2015, 41, 528-530.	8.2	4
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