

Marcin F Osuchowski

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

3,811
citations

201385

27
h-index

128067

60
g-index

85
all docs

85
docs citations

85
times ranked

5365
citing authors

#	ARTICLE	IF	CITATIONS
1	Circulating Cytokine/Inhibitor Profiles Reshape the Understanding of the SIRS/CARS Continuum in Sepsis and Predict Mortality. <i>Journal of Immunology</i> , 2006, 177, 1967-1974.	0.4	482
2	The Pathogenesis of Sepsis. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2011, 6, 19-48.	9.6	479
3	The COVID-19 puzzle: deciphering pathophysiology and phenotypes of a new disease entity. <i>Lancet Respiratory Medicine</i> , 2021, 9, 622-642.	5.2	371
4	Sepsis: Multiple Abnormalities, Heterogeneous Responses, and Evolving Understanding. <i>Physiological Reviews</i> , 2013, 93, 1247-1288.	13.1	324
5	Current gaps in sepsis immunology: new opportunities for translational research. <i>Lancet Infectious Diseases</i> , 2019, 19, e422-e436.	4.6	205
6	The role of microglial cells and astrocytes in fibrillar plaque evolution in transgenic APPSW mice. <i>Neurobiology of Aging</i> , 2001, 22, 49-61.	1.5	142
7	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.	1.0	141
8	Abandon the Mouse Research Ship? Not Just Yet!. <i>Shock</i> , 2014, 41, 463-475.	1.0	126
9	Stratification is the key: Inflammatory biomarkers accurately direct immunomodulatory therapy in experimental sepsis*. <i>Critical Care Medicine</i> , 2009, 37, 1567-1573.	0.4	122
10	Sepsis Chronically in MARS: Systemic Cytokine Responses Are Always Mixed Regardless of the Outcome, Magnitude, or Phase of Sepsis. <i>Journal of Immunology</i> , 2012, 189, 4648-4656.	0.4	81
11	Chronic Sepsis Mortality Characterized by an Individualized Inflammatory Response. <i>Journal of Immunology</i> , 2007, 179, 623-630.	0.4	72
12	Protective Role of Peroxisome Proliferator-activated Receptor- γ in Septic Shock. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 182, 1506-1515.	2.5	71
13	Cecal Ligation and Puncture-Induced Murine Sepsis Does Not Cause Lung Injury*. <i>Critical Care Medicine</i> , 2013, 41, 159-170.	0.4	67
14	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
15	Part I: Minimum Quality Threshold in Preclinical Sepsis Studies (MQTiPSS) for Study Design and Humane Modeling Endpoints. <i>Shock</i> , 2019, 51, 10-22.	1.0	57
16	Origin and turnover of microglial cells in fibrillar plaques of APPsw transgenic mice. <i>Acta Neuropathologica</i> , 2003, 105, 393-402.	3.9	53
17	Relationship between Age/Gender-Induced Survival Changes and the Magnitude of Inflammatory Activation and Organ Dysfunction in Post-Traumatic Sepsis. <i>PLoS ONE</i> , 2012, 7, e51457.	1.1	44
18	Physiological Responses of a Natural Antioxidant Flavonoid Mixture, Silymarin, in BALB/c Mice. <i>Planta Medica</i> , 2003, 69, 44-49.	0.7	42

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19	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
20	Premise for Standardized Sepsis Models. <i>Shock</i> , 2019, 51, 4-9.	1.0	41
21	SARS-CoV-2/COVID-19: Evolving Reality, Global Response, Knowledge Gaps, and Opportunities. <i>Shock</i> , 2020, 54, 416-437.	1.0	41
22	Part III: Minimum Quality Threshold in Preclinical Sepsis Studies (MQTiPSS) for Fluid Resuscitation and Antimicrobial Therapy Endpoints. <i>Shock</i> , 2019, 51, 33-43.	1.0	35
23	Alterations in Regional Brain Neurotransmitters by Silymarin, a Natural Antioxidant Flavonoid Mixture, in BALB/c Mice. <i>Pharmaceutical Biology</i> , 2004, 42, 384-389.	1.3	32
24	Fumonisin B1-Induced Neurodegeneration in Mice after Intracerebroventricular Infusion is Concurrent with Disruption of Sphingolipid Metabolism and Activation of Proinflammatory Signaling. <i>NeuroToxicology</i> , 2005, 26, 211-221.	1.4	32
25	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.	1.9	32
26	Why do they die? Comparison of selected aspects of organ injury and dysfunction in mice surviving and dying in acute abdominal sepsis. <i>Intensive Care Medicine Experimental</i> , 2015, 3, 48.	0.9	29
27	REPETITIVE LOW-VOLUME BLOOD SAMPLING METHOD AS A FEASIBLE MONITORING TOOL IN A MOUSE MODEL OF SEPSIS. <i>Shock</i> , 2010, 34, 420-426.	1.0	28
28	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
29	Inhibition of Serine Palmitoyltransferase by Myriocin, a Natural Mycotoxin, Causes Induction of C-Myc in Mouse Liver. <i>Mycopathologia</i> , 2004, 157, 339-347.	1.3	25
30	Fumonisin B1 Induces Necrotic Cell Death in BV-2 Cells and Murine Cultured Astrocytes and is Antiproliferative in BV-2 Cells While N2A Cells and Primary Cortical Neurons are Resistant. <i>NeuroToxicology</i> , 2005, 26, 981-992.	1.4	24
31	UNTREATED TYPE 1 DIABETES INCREASES SEPSIS-INDUCED MORTALITY WITHOUT INDUCING A PRELETHAL CYTOKINE RESPONSE. <i>Shock</i> , 2010, 34, 369-376.	1.0	24
32	Disruption of sphingolipid homeostasis by myriocin, a mycotoxin, reduces thymic and splenic T-lymphocyte populations. <i>Toxicology</i> , 2004, 201, 67-75.	2.0	23
33	Sequential ELISA to profile multiple cytokines from small volumes. <i>Journal of Immunological Methods</i> , 2005, 302, 172-181.	0.6	23
34	Noninvasive model of sciatic nerve conduction in healthy and septic mice: Reliability and normative data. <i>Muscle and Nerve</i> , 2009, 40, 610-616.	1.0	23
35	Sepsis-3 on the Block. <i>Shock</i> , 2017, 47, 658-660.	1.0	21
36	Physiological Responses to a Natural Antioxidant Flavonoid Mixture, Silymarin, in BALB/c Mice: II. Alterations in Thymic Differentiation Correlate with Changes in c-mycGene Expression. <i>Planta Medica</i> , 2002, 68, 961-965.	0.7	20

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37	Myriocin, a serine palmitoyltransferase inhibitor, alters regional brain neurotransmitter levels without concurrent inhibition of the brain sphingolipid biosynthesis in mice. <i>Toxicology Letters</i> , 2004, 147, 87-94.	0.4	20
38	Estrus Cycle Status Defined by Vaginal Cytology Does Not Correspond to Fluctuations of Circulating Estrogens in Female Mice. <i>Shock</i> , 2014, 41, 145-153.	1.0	20
39	The repetitive use of samples to measure multiple cytokines: The sequential ELISA. <i>Methods</i> , 2006, 38, 304-311.	1.9	16
40	Splenectomy modulates early immuno-inflammatory responses to trauma-hemorrhage and protects mice against secondary sepsis. <i>Scientific Reports</i> , 2018, 8, 14890.	1.6	16
41	The Fluctuations of Leukocytes and Circulating Cytokines in Septic Humanized Mice Vary With Outcome. <i>Frontiers in Immunology</i> , 2019, 10, 1427.	2.2	16
42	Compartment-specific expression of plasminogen activator inhibitor-1 correlates with severity/outcome of murine polymicrobial sepsis. <i>Thrombosis Research</i> , 2012, 129, e238-e245.	0.8	15
43	Bridging animal and clinical research during SARS-CoV-2 pandemic: A new-old challenge. <i>EBioMedicine</i> , 2021, 66, 103291.	2.7	15
44	Physiological Responses to a Natural Antioxidant Flavonoid Mixture, Silymarin, in BALB/c Mice: I Induction of Transforming Growth Factor β 21 and c-myc in Liver with Marginal Effects on Other Genes. <i>Planta Medica</i> , 2002, 68, 676-679.	0.7	14
45	Endotoxin exposure alters brain and liver effects of fumonisin B1 in BALB/c mice: Implication of blood brain barrier. <i>Food and Chemical Toxicology</i> , 2005, 43, 1389-1397.	1.8	14
46	With mouse age comes wisdom: A review and suggestions of relevant mouse models for age-related conditions. <i>Mechanisms of Ageing and Development</i> , 2016, 160, 54-68.	2.2	14
47	Tissue reactions to polyethylene glycol and glutaraldehyde-based surgical sealants in a rabbit aorta model. <i>Journal of Biomaterials Applications</i> , 2020, 34, 1330-1340.	1.2	14
48	Modelling physical resilience in ageing mice. <i>Mechanisms of Ageing and Development</i> , 2019, 177, 91-102.	2.2	13
49	Experimentally Approaching the ICU: Monitoring Outcome-Based Responses in the Two-Hit Mouse Model of Posttraumatic Sepsis. <i>Journal of Biomedicine and Biotechnology</i> , 2011, 2011, 1-12.	3.0	12
50	The Matricellular α -Cysteine-Rich Protein 61 Is Released From Activated Platelets and Increased in the Circulation During Experimentally Induced Sepsis. <i>Shock</i> , 2014, 41, 233-240.	1.0	12
51	Systemic inhibition and liver-specific overexpression of PAI-1 failed to improve survival in all-inclusive populations or homogenous cohorts of CLP mice. <i>Journal of Thrombosis and Haemostasis</i> , 2014, 12, 958-969.	1.9	10
52	Impact of Idarucizumab and Andexanet Alfa on DOAC Plasma Concentration and ClotPro [®] Clotting Time: An Ex Vivo Spiking Study in A Cohort of Trauma Patients. <i>Journal of Clinical Medicine</i> , 2021, 10, 3476.	1.0	10
53	Cecal Ligation and Puncture. <i>Methods in Molecular Biology</i> , 2021, 2321, 1-8.	0.4	9
54	COVID-19 and earlier pandemics, sepsis, and vaccines: A historical perspective. <i>Journal of Intensive Medicine</i> , 2021, 1, 4-13.	0.8	9

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55	A Non-Lethal Traumatic/Hemorrhagic Insult Strongly Modulates the Compartment-Specific PAI-1 Response in the Subsequent Polymicrobial Sepsis. PLoS ONE, 2013, 8, e55467.	1.1	8
56	Contamination of wounds with fecal bacteria in immuno-suppressed mice. Scientific Reports, 2020, 10, 11494.	1.6	8
57	Mouse Model of Posttraumatic Abdominal Sepsis: Survival Advantage of Females over Males Does Not Depend on the Cecum Size. European Surgical Research, 2014, 52, 83-89.	0.6	7
58	Anti-inflammatory and -apoptotic effects of a long-term herbal extract treatment on DSS-induced colitis in mice fed with high AGEs-fat diet. Nutrition and Metabolism, 2021, 18, 77.	1.3	7
59	Editorial: Immune Dysfunction: An Update of New Immune Cell Subsets and Cytokines in Sepsis. Frontiers in Immunology, 2021, 12, 822068.	2.2	6
60	Comparison of post-traumatic changes in circulating and bone marrow leukocytes between BALB/c and CD-1 mouse strains. PLoS ONE, 2019, 14, e0222594.	1.1	5
61	National Preclinical Sepsis Platform: developing a framework for accelerating innovation in Canadian sepsis research. Intensive Care Medicine Experimental, 2021, 9, 14.	0.9	5
62	Multiplate Platelet Function Testing upon Emergency Room Admission Fails to Provide Useful Information in Major Trauma Patients Not on Platelet Inhibitors. Journal of Clinical Medicine, 2022, 11, 2578.	1.0	5
63	ELECTRO-RHEOLOGICAL EFFECT IN SUSPENSIONS OF AgI/Ag ₂ O/V ₂ O ₅ /P ₂ O ₅ GLASSES. International Journal of Modern Physics B, 2002, 16, 2378-2384.	1.0	4
64	CD11c+ Cells Are Required to Prevent Progression from Local Acute Lung Injury to Multiple Organ Failure and Death. American Journal of Pathology, 2010, 176, 218-226.	1.9	4
65	Does Insulin Protect the Brain in Mice and Man with Sepsis?. Shock, 2015, 44, 287.	1.0	4
66	Delayed activation of PPAR- δ improves long-term survival in mouse sepsis: effects on organ inflammation and coagulation. Innate Immunity, 2018, 24, 262-273.	1.1	4
67	The bone is the major source of high circulating intact fibroblast growth factor-23 in acute murine polymicrobial sepsis induced by cecum ligation puncture. PLoS ONE, 2021, 16, e0251317.	1.1	4
68	High Interleukin-6 Plasma Concentration upon Admission Is Predictive of Massive Transfusion in Severely Injured Patients. Journal of Clinical Medicine, 2021, 10, 2268.	1.0	4
69	An Early Myelosuppression in the Acute Mouse Sepsis Is Partly Outcome-Dependent. Frontiers in Immunology, 2021, 12, 708670.	2.2	3
70	Thromboelastometry fails to detect autoheparinization after major trauma and hemorrhagic shock. Journal of Trauma and Acute Care Surgery, 2022, 92, 535-541.	1.1	3
71	Factor XIII Measurement and Substitution in Trauma Patients after Admission to an Intensive Care Unit. Journal of Clinical Medicine, 2022, 11, 4174.	1.0	3
72	SIX AT SIX, THE INFLAMMATORY RESPONSE TO SEPSIS. Shock, 2006, 25, 12.	1.0	2

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73	Implementing Refinements in Preclinical Sepsis Modeling. Shock, 2015, 43, 422-423.	1.0	2
74	Change Is the Only Constant. Critical Care Medicine, 2019, 47, 1673-1675.	0.4	2
75	Caught Between a Rock and a Hard Place. Shock, 2014, 41, 556-557.	1.0	1
76	The August Krogh Principle. Shock, 2014, 42, 480-481.	1.0	1
77	What's New in SHOCK, January 2018?. Shock, 2018, 49, 1-3.	1.0	1
78	Tissue Reaction to a Polyethylene Glycol-Based and Glutaraldehyde-Based Surgical Sealant in a Rabbit Aortic Anastomosis Model. Journal of the American College of Surgeons, 2019, 229, e211-e212.	0.2	1
79	Fill the critical care discovery pipeline with ICMx!. Intensive Care Medicine Experimental, 2020, 8, 65.	0.9	1
80	VISCOELASTIC BEHAVIOR OF CONDUCTIVE POLYMER BASED ER DISPERSIONS UNDER SMALL DEFORMATIONS. International Journal of Modern Physics B, 2007, 21, 4758-4766.	1.0	0
81	Daily blood sampling in septic mice: an optimal and effective monitoring tool. Critical Care, 2008, 12, P17.	2.5	0
82	What's New in Shock, February 2011?. Shock, 2011, 35, 103-106.	1.0	0
83	Tender Mediation in a Ruthless Environment. Critical Care Medicine, 2014, 42, 1012-1014.	0.4	0
84	The Response to the Letter to the Editor Titled: "œs Triple Self-plagiarism œOKâ€•f Only Made Transparent?"â€•by Volker R Jacobs, MD, MBA. Shock, 2019, 51, 140-141.	1.0	0