

# 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	Thromboelastometry fails to detect autoheparinization after major trauma and hemorrhagic shock. <i>Journal of Trauma and Acute Care Surgery</i> , 2022, 92, 535-541.	1.1	3
2	Multiplate Platelet Function Testing upon Emergency Room Admission Fails to Provide Useful Information in Major Trauma Patients Not on Platelet Inhibitors. <i>Journal of Clinical Medicine</i> , 2022, 11, 2578.	1.0	5
3	Factor XIII Measurement and Substitution in Trauma Patients after Admission to an Intensive Care Unit. <i>Journal of Clinical Medicine</i> , 2022, 11, 4174.	1.0	3
4	Cecal Ligation and Puncture. <i>Methods in Molecular Biology</i> , 2021, 2321, 1-8.	0.4	9
5	National Preclinical Sepsis Platform: developing a framework for accelerating innovation in Canadian sepsis research. <i>Intensive Care Medicine Experimental</i> , 2021, 9, 14.	0.9	5
6	Bridging animal and clinical research during SARS-CoV-2 pandemic: A new-old challenge. <i>EBioMedicine</i> , 2021, 66, 103291.	2.7	15
7	The bone is the major source of high circulating intact fibroblast growth factor-23 in acute murine polymicrobial sepsis induced by cecum ligation puncture. <i>PLoS ONE</i> , 2021, 16, e0251317.	1.1	4
8	High Interleukin-6 Plasma Concentration upon Admission Is Predictive of Massive Transfusion in Severely Injured Patients. <i>Journal of Clinical Medicine</i> , 2021, 10, 2268.	1.0	4
9	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
10	COVID-19 and earlier pandemics, sepsis, and vaccines: A historical perspective. <i>Journal of Intensive Medicine</i> , 2021, 1, 4-13.	0.8	9
11	An Early Myelosuppression in the Acute Mouse Sepsis Is Partly Outcome-Dependent. <i>Frontiers in Immunology</i> , 2021, 12, 708670.	2.2	3
12	Anti-inflammatory and -apoptotic effects of a long-term herbal extract treatment on DSS-induced colitis in mice fed with high AGEs-fat diet. <i>Nutrition and Metabolism</i> , 2021, 18, 77.	1.3	7
13	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
14	Editorial: Immune Dysfunction: An Update of New Immune Cell Subsets and Cytokines in Sepsis. <i>Frontiers in Immunology</i> , 2021, 12, 822068.	2.2	6
15	Contamination of wounds with fecal bacteria in immuno-suppressed mice. <i>Scientific Reports</i> , 2020, 10, 11494.	1.6	8
16	SARS-CoV-2/COVID-19: Evolving Reality, Global Response, Knowledge Gaps, and Opportunities. <i>Shock</i> , 2020, 54, 416-437.	1.0	41
17	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
18	Fill the critical care discovery pipeline with ICMx!. <i>Intensive Care Medicine Experimental</i> , 2020, 8, 65.	0.9	1

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19	Premise for Standardized Sepsis Models. Shock, 2019, 51, 4-9.	1.0	41
20	The Fluctuations of Leukocytes and Circulating Cytokines in Septic Humanized Mice Vary With Outcome. Frontiers in Immunology, 2019, 10, 1427.	2.2	16
21	Current gaps in sepsis immunology: new opportunities for translational research. Lancet Infectious Diseases, The, 2019, 19, e422-e436.	4.6	205
22	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
23	Part III: Minimum Quality Threshold in Preclinical Sepsis Studies (MQTiPSS) for Fluid Resuscitation and Antimicrobial Therapy Endpoints. Shock, 2019, 51, 33-43.	1.0	35
24	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
25	Part I: Minimum Quality Threshold in Preclinical Sepsis Studies (MQTiPSS) for Study Design and Humane Modeling Endpoints. Shock, 2019, 51, 10-22.	1.0	57
26	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
27	The Response to the Letter to the Editor Titled: "œs Triple Self-plagiarism œOKâ€•If Only Made Transparent?"â€•by Volker R Jacobs, MD, MBA. Shock, 2019, 51, 140-141.	1.0	0
28	Change Is the Only Constant. Critical Care Medicine, 2019, 47, 1673-1675.	0.4	2
29	Modelling physical resilience in ageing mice. Mechanisms of Ageing and Development, 2019, 177, 91-102.	2.2	13
30	What's New in SHOCK, January 2018?. Shock, 2018, 49, 1-3.	1.0	1
31	Delayed activation of PPAR- $\beta/\delta$ improves long-term survival in mouse sepsis: effects on organ inflammation and coagulation. Innate Immunity, 2018, 24, 262-273.	1.1	4
32	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
33	Splenectomy modulates early immuno-inflammatory responses to trauma-hemorrhage and protects mice against secondary sepsis. Scientific Reports, 2018, 8, 14890.	1.6	16
34	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
35	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
36	Sepsis-3 on the Block. Shock, 2017, 47, 658-660.	1.0	21

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37	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
38	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
39	Does Insulin Protect the Brain in Mice and Man with Sepsis?. <i>Shock</i> , 2015, 44, 287.	1.0	4
40	Implementing Refinements in Preclinical Sepsis Modeling. <i>Shock</i> , 2015, 43, 422-423.	1.0	2
41	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
42	Tender Mediation in a Ruthless Environment. <i>Critical Care Medicine</i> , 2014, 42, 1012-1014.	0.4	0
43	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
44	Abandon the Mouse Research Ship? Not Just Yet!. <i>Shock</i> , 2014, 41, 463-475.	1.0	126
45	Caught Between a Rock and a Hard Place. <i>Shock</i> , 2014, 41, 556-557.	1.0	1
46	The August Krogh Principle. <i>Shock</i> , 2014, 42, 480-481.	1.0	1
47	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
48	Mouse Model of Posttraumatic Abdominal Sepsis: Survival Advantage of Females over Males Does Not Depend on the Cecum Size. <i>European Surgical Research</i> , 2014, 52, 83-89.	0.6	7
49	The Matricellular 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
50	Sepsis: Multiple Abnormalities, Heterogeneous Responses, and Evolving Understanding. <i>Physiological Reviews</i> , 2013, 93, 1247-1288.	13.1	324
51	Cecal Ligation and Puncture-Induced Murine Sepsis Does Not Cause Lung Injury*. <i>Critical Care Medicine</i> , 2013, 41, 159-170.	0.4	67
52	A Non-Lethal Traumatic/Hemorrhagic Insult Strongly Modulates the Compartment-Specific PAI-1 Response in the Subsequent Polymicrobial Sepsis. <i>PLoS ONE</i> , 2013, 8, e55467.	1.1	8
53	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
54	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

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55	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
56	The Pathogenesis of Sepsis. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2011, 6, 19-48.	9.6	479
57	What's New in Shock, February 2011?. <i>Shock</i> , 2011, 35, 103-106.	1.0	0
58	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
59	UNTREATED TYPE 1 DIABETES INCREASES SEPSIS-INDUCED MORTALITY WITHOUT INDUCING A PRELETHAL CYTOKINE RESPONSE. <i>Shock</i> , 2010, 34, 369-376.	1.0	24
60	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
61	Protective Role of Peroxisome Proliferator-activated Receptor- $\gamma$ in Septic Shock. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 182, 1506-1515.	2.5	71
62	CD11c+ Cells Are Required to Prevent Progression from Local Acute Lung Injury to Multiple Organ Failure and Death. <i>American Journal of Pathology</i> , 2010, 176, 218-226.	1.9	4
63	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
64	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
65	Daily blood sampling in septic mice: an optimal and effective monitoring tool. <i>Critical Care</i> , 2008, 12, P17.	2.5	0
66	VISCOELASTIC BEHAVIOR OF CONDUCTIVE POLYMER BASED ER DISPERSIONS UNDER SMALL DEFORMATIONS. <i>International Journal of Modern Physics B</i> , 2007, 21, 4758-4766.	1.0	0
67	Chronic Sepsis Mortality Characterized by an Individualized Inflammatory Response. <i>Journal of Immunology</i> , 2007, 179, 623-630.	0.4	72
68	The repetitive use of samples to measure multiple cytokines: The sequential ELISA. <i>Methods</i> , 2006, 38, 304-311.	1.9	16
69	SIX AT SIX, THE INFLAMMATORY RESPONSE TO SEPSIS. <i>Shock</i> , 2006, 25, 12.	1.0	2
70	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
71	Sequential ELISA to profile multiple cytokines from small volumes. <i>Journal of Immunological Methods</i> , 2005, 302, 172-181.	0.6	23
72	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

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73	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
74	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
75	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
76	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
77	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
78	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
79	Origin and turnover of microglial cells in fibrillar plaques of APPsw transgenic mice. <i>Acta Neuropathologica</i> , 2003, 105, 393-402.	3.9	53
80	Physiological Responses of a Natural Antioxidant Flavonoid Mixture, Silymarin, in BALB/c Mice. <i>Planta Medica</i> , 2003, 69, 44-49.	0.7	42
81	ELECTRORHEOLOGICAL EFFECT IN SUSPENSIONS OF AgI/Ag <sub>2</sub> O/V <sub>2</sub> O <sub>5</sub> /P <sub>2</sub> O <sub>5</sub> GLASSES. <i>International Journal of Modern Physics B</i> , 2002, 16, 2378-2384.	1.0	4
82	Physiological Responses to a Natural Antioxidant Flavonoid Mixture, Silymarin, in BALB/c Mice: I Induction of Transforming Growth Factor $\beta$ 21 and c-myc in Liver with Marginal Effects on Other Genes. <i>Planta Medica</i> , 2002, 68, 676-679.	0.7	14
83	Physiological Responses to a Natural Antioxidant Flavonoid Mixture, Silymarin, in BALB/c Mice: II. Alterations in Thymic Differentiation Correlate with Changes in c-myc Gene Expression. <i>Planta Medica</i> , 2002, 68, 961-965.	0.7	20
84	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