

# Tobias Schuerholz

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

1,553  
citations

331259

21  
h-index

301761

39  
g-index

48  
all docs

48  
docs citations

48  
times ranked

2492  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Hydrocortisone on Development of Shock Among Patients With Severe Sepsis. JAMA - Journal of the American Medical Association, 2016, 316, 1775.	3.8	197
2	The Septic Heart. Chest, 2019, 155, 427-437.	0.4	195
3	The Ribonuclease A Superfamily in Humans: Canonical RNases as the Buttress of Innate Immunity. International Journal of Molecular Sciences, 2016, 17, 1278.	1.8	125
4	Hydroxyethylstarch impairs renal function and induces interstitial proliferation, macrophage infiltration and tubular damage in an isolated renal perfusion model. Critical Care, 2009, 13, R23.	2.5	101
5	Antimicrobial Peptides in Human Sepsis. Frontiers in Immunology, 2015, 6, 404.	2.2	85
6	The Endothelial Glycocalyx: New Diagnostic and Therapeutic Approaches in Sepsis. BioMed Research International, 2016, 2016, 1-8.	0.9	82
7	Antimicrobial peptides and their potential application in inflammation and sepsis. Critical Care, 2012, 16, 207.	2.5	71
8	Persistent low serum zinc is associated with recurrent sepsis in critically ill patients - A pilot study. PLoS ONE, 2017, 12, e0176069.	1.1	51
9	Impact of age on the clinical outcomes of major trauma. European Journal of Trauma and Emergency Surgery, 2016, 42, 317-332.	0.8	44
10	The anti-inflammatory effect of the synthetic antimicrobial peptide 19-2.5 in a murine sepsis model: a prospective randomized study. Critical Care, 2013, 17, R3.	2.5	41
11	The Synthetic Antimicrobial Peptide 19-2.5 Interacts with Heparanase and Heparan Sulfate in Murine and Human Sepsis. PLoS ONE, 2015, 10, e0143583.	1.1	39
12	Ribonuclease 1 attenuates septic cardiomyopathy and cardiac apoptosis in a murine model of polymicrobial sepsis. JCI Insight, 2020, 5, .	2.3	34
13	EARLY- VERSUS LATE-ONSET SHOCK IN EUROPEAN INTENSIVE CARE UNITS. Shock, 2007, 28, 636-643.	1.0	33
14	Soluble Heparan Sulfate in Serum of Septic Shock Patients Induces Mitochondrial Dysfunction in Murine Cardiomyocytes. Shock, 2015, 44, 569-577.	1.0	32
15	Peptide 19-2.5 Inhibits Heparan Sulfate-Triggered Inflammation in Murine Cardiomyocytes Stimulated with Human Sepsis Serum. PLoS ONE, 2015, 10, e0127584.	1.1	31
16	The synthetic antimicrobial peptide 19-2.5 attenuates septic cardiomyopathy and prevents down-regulation of SERCA2 in polymicrobial sepsis. Scientific Reports, 2016, 6, 37277.	1.6	29
17	Alterations in zinc binding capacity, free zinc levels and total serum zinc in a porcine model of sepsis. BioMetals, 2015, 28, 693-700.	1.8	28
18	Plasma adrenomedullin in critically ill patients with sepsis after major surgery: A pilot study. Journal of Critical Care, 2017, 38, 68-72.	1.0	25

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19	Effects of pharmacological intervention on coagulopathy and organ function in xenoperfused kidneys. <i>Xenotransplantation</i> , 2008, 15, 46-55.	1.6	23
20	Impairment of renal function using hyperoncotic colloids in a two hit model of shock: a prospective randomized study. <i>Critical Care</i> , 2012, 16, R16.	2.5	21
21	Hemodynamic changes during acute elevation of intra-abdominal pressure in rabbits. <i>Paediatric Anaesthesia</i> , 2006, 16, 1262-1267.	0.6	20
22	The Human Host Defense Ribonucleases 1, 3 and 7 Are Elevated in Patients with Sepsis after Major Surgeryâ€”A Pilot Study. <i>International Journal of Molecular Sciences</i> , 2016, 17, 294.	1.8	20
23	Comparison of cardiac output measurements by arterial trans-cardiopulmonary and pulmonary arterial thermodilution with direct Fick in septic shock. <i>European Journal of Anaesthesiology</i> , 2005, 22, 129-134.	0.7	19
24	Hydrocortisone does not affect major platelet receptors in inflammation in vitro. <i>Steroids</i> , 2007, 72, 609-613.	0.8	19
25	Novel Synthetic, Host-defense Peptide Protects Against Organ Injury/Dysfunction in a Rat Model of Severe Hemorrhagic Shock. <i>Annals of Surgery</i> , 2018, 268, 348-356.	2.1	18
26	Coupling killing to neutralization: combined therapy with ceftriaxone/Pep19-2.5 counteracts sepsis in rabbits. <i>Experimental and Molecular Medicine</i> , 2017, 49, e345-e345.	3.2	17
27	Cardiac Output Measurement by Arterial Thermodilution in Piglets. <i>Anesthesia and Analgesia</i> , 2000, 90, 57-58.	1.1	16
28	Fluid-induced coagulopathy: does the type of fluid make a difference?. <i>Critical Care</i> , 2010, 14, 118.	2.5	15
29	The Î²-d-Endoglucuronidase Heparanase Is a Danger Molecule That Drives Systemic Inflammation and Correlates with Clinical Course after Open and Endovascular Thoracoabdominal Aortic Aneurysm Repair: Lessons Learnt from Mice and Men. <i>Frontiers in Immunology</i> , 2017, 8, 681.	2.2	13
30	Bacterial Cell Wall Compounds as Promising Targets of Antimicrobial Agents II. Immunological and Clinical Aspects. <i>Current Drug Targets</i> , 2012, 13, 1131-1137.	1.0	10
31	The synthetic antimicrobial peptide 19-2.5 attenuates mitochondrial dysfunction in cardiomyocytes stimulated with human sepsis serum. <i>Innate Immunity</i> , 2016, 22, 612-619.	1.1	10
32	Urine neutrophil gelatinase-associated lipocalin predicts outcome and renal failure in open and endovascular thoracic abdominal aortic aneurysm surgery. <i>Scientific Reports</i> , 2018, 8, 12676.	1.6	10
33	Heparan Sulfate Induces Necroptosis in Murine Cardiomyocytes: A Medical-In silico Approach Combining In vitro Experiments and Machine Learning. <i>Frontiers in Immunology</i> , 2018, 9, 393.	2.2	8
34	Anti-Infective and Anti-Inflammatory Mode of Action of Peptide 19-2.5. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1465.	1.8	8
35	Effects of the Non-Neutralizing Humanized Monoclonal Anti-Adrenomedullin Antibody Adrecizumab on Hemodynamic and Renal Injury in a Porcine Two-Hit Model. <i>Shock</i> , 2020, 54, 810-818.	1.0	6
36	Blood volume measurements using an integrated fiberoptic monitoring system in a porcine septic shock model. <i>Critical Care Medicine</i> , 2006, 34, 1483-1488.	0.4	5

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37	Ex vivo microvesicle formation after prolonged ischemia in renal transplantation. <i>Thrombosis Research</i> , 2007, 120, 231-236.	0.8	5
38	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.	1.9	5
39	Dextran-70 to modulate inflammatory response after cardiopulmonary bypass: potential for a novel approach?. <i>Critical Care</i> , 2007, 11, 163.	2.5	4
40	Impact of a new balanced gelatine on electrolytes and pH in the perioperative care. <i>PLoS ONE</i> , 2019, 14, e0213057.	1.1	4
41	Pulse-contour-derived cardiac output is unreliable in septic shock: authors' reply. <i>Acta Anaesthesiologica Scandinavica</i> , 2006, 50, 1169-1170.	0.7	2
42	Effect of Drotrecogin alfa (activated) on platelet receptor expression in vitro. <i>Platelets</i> , 2007, 18, 373-378.	1.1	2
43	Title is missing!. <i>Critical Care</i> , 2006, 10, P174.	2.5	0
44	Organ-specific effects on inflammation and apoptosis of recombinant human activated protein C in a murine model of sepsis. <i>European Journal of Inflammation</i> , 2017, 15, 66-77.	0.2	0