

# Daniel Rittirsch

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

7,746  
citations

136885

32  
h-index

243529

44  
g-index

45  
all docs

45  
docs citations

45  
times ranked

10233  
citing authors

#	ARTICLE	IF	CITATIONS
1	Immunodesign of experimental sepsis by cecal ligation and puncture. <i>Nature Protocols</i> , 2009, 4, 31-36.	5.5	1,535
2	Harmful molecular mechanisms in sepsis. <i>Nature Reviews Immunology</i> , 2008, 8, 776-787.	10.6	1,035
3	Generation of C5a in the absence of C3: a new complement activation pathway. <i>Nature Medicine</i> , 2006, 12, 682-687.	15.2	845
4	Molecular Intercommunication between the Complement and Coagulation Systems. <i>Journal of Immunology</i> , 2010, 185, 5628-5636.	0.4	605
5	Phagocyte-derived catecholamines enhance acute inflammatory injury. <i>Nature</i> , 2007, 449, 721-725.	13.7	396
6	Functional roles for C5a receptors in sepsis. <i>Nature Medicine</i> , 2008, 14, 551-557.	15.2	364
7	Interaction Between the Coagulation and Complement System. <i>Advances in Experimental Medicine and Biology</i> , 2008, 632, 68-76.	0.8	329
8	The disconnect between animal models of sepsis and human sepsis. <i>Journal of Leukocyte Biology</i> , 2007, 81, 137-143.	1.5	325
9	Danger Signals Activating the Immune Response after Trauma. <i>Mediators of Inflammation</i> , 2012, 2012, 1-10.	1.4	183
10	Adverse functions of IL-17A in experimental sepsis. <i>FASEB Journal</i> , 2008, 22, 2198-2205.	0.2	177
11	Catecholamines – “Crafty Weapons in the Inflammatory Arsenal of Immune/Inflammatory Cells or Opening Pandora’s Box?”. <i>Molecular Medicine</i> , 2008, 14, 195-204.	1.9	161
12	Early Complementopathy After Multiple Injuries in Humans. <i>Shock</i> , 2012, 37, 348-354.	1.0	145
13	Upregulation of Phagocyte-Derived Catecholamines Augments the Acute Inflammatory Response. <i>PLoS ONE</i> , 2009, 4, e4414.	1.1	134
14	Acute Lung Injury Induced by Lipopolysaccharide Is Independent of Complement Activation. <i>Journal of Immunology</i> , 2008, 180, 7664-7672.	0.4	130
15	Inhibition of the alternative complement activation pathway in traumatic brain injury by a monoclonal anti-factor B antibody: a randomized placebo-controlled study in mice. <i>Journal of Neuroinflammation</i> , 2007, 4, 13.	3.1	98
16	C5 deficiency and C5a or C5aR blockade protects against cerebral malaria. <i>Journal of Experimental Medicine</i> , 2008, 205, 1133-1143.	4.2	89
17	Hemorrhagic shock drives glycocalyx, barrier and organ dysfunction early after polytrauma. <i>Journal of Critical Care</i> , 2018, 44, 229-237.	1.0	89
18	Inhibition of complement C5a prevents breakdown of the blood-brain barrier and pituitary dysfunction in experimental sepsis. <i>Critical Care</i> , 2009, 13, R12.	2.5	87

#	ARTICLE	IF	CITATIONS
19	Changes and Regulation of the C5a Receptor on Neutrophils during Septic Shock in Humans. <i>Journal of Immunology</i> , 2013, 190, 4215-4225.	0.4	85
20	Reduced neuronal cell death after experimental brain injury in mice lacking a functional alternative pathway of complement activation. <i>BMC Neuroscience</i> , 2006, 7, 55.	0.8	82
21	Cross-Talk between TLR4 and Fc $\gamma$ 3ReceptorIII (CD16) Pathways. <i>PLoS Pathogens</i> , 2009, 5, e1000464.	2.1	77
22	Changes in the Novel Orphan, C5a Receptor (C5L2), during Experimental Sepsis and Sepsis in Humans. <i>Journal of Immunology</i> , 2005, 174, 1104-1110.	0.4	73
23	Role of Complement in Multiorgan Failure. <i>Clinical and Developmental Immunology</i> , 2012, 2012, 1-10.	3.3	66
24	In vivo regulation of neutrophil apoptosis by C5a during sepsis. <i>Journal of Leukocyte Biology</i> , 2006, 80, 1575-1583.	1.5	65
25	Functions of the complement components C3 and C5 during sepsis. <i>FASEB Journal</i> , 2008, 22, 3483-3490.	0.2	64
26	THE ROLE OF C5A IN THE INNATE IMMUNE RESPONSE AFTER EXPERIMENTAL BLUNT CHEST TRAUMA. <i>Shock</i> , 2008, 29, 25-31.	1.0	61
27	Complement C5a Functions as a Master Switch for the pH Balance in Neutrophils Exerting Fundamental Immunometabolic Effects. <i>Journal of Immunology</i> , 2017, 198, 4846-4854.	0.4	58
28	Zonulin as prehaptoglobin2 regulates lung permeability and activates the complement system. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2013, 304, L863-L872.	1.3	57
29	The Complement Anaphylatoxin C5a Induces Apoptosis in Adrenomedullary Cells during Experimental Sepsis. <i>PLoS ONE</i> , 2008, 3, e2560.	1.1	52
30	Pathophysiology of septic encephalopathy - an unsolved puzzle. <i>Critical Care</i> , 2010, 14, 165.	2.5	49
31	EARLY EXPRESSION CHANGES OF COMPLEMENT REGULATORY PROTEINS AND C5a RECEPTOR (CD88) ON LEUKOCYTES AFTER MULTIPLE INJURY IN HUMANS. <i>Shock</i> , 2010, 33, 568-575.	1.0	45
32	C5a-Blockade Improves Burn-Induced Cardiac Dysfunction. <i>Journal of Immunology</i> , 2007, 178, 7902-7910.	0.4	43
33	Direct transplantation of native pericytes from adipose tissue: A new perspective to stimulate healing in critical size bone defects. <i>Cytotherapy</i> , 2016, 18, 41-52.	0.3	33
34	Disturbances of the hypothalamic-pituitary-adrenal axis and plasma electrolytes during experimental sepsis. <i>Annals of Intensive Care</i> , 2011, 1, 53.	2.2	20
35	Improvement of prognostic performance in severely injured patients by integrated clinico-transcriptomics: a translational approach. <i>Critical Care</i> , 2015, 19, 414.	2.5	18
36	Pancreatic Stone Protein Predicts Sepsis in Severely Burned Patients Irrespective of Trauma Severity. <i>Annals of Surgery</i> , 2021, 274, e1179-e1186.	2.1	18

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37	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.	2.1	13
38	Cement-augmented dorsal instrumentation of the spine as a safe adjunct to the multimodal management of metastatic pheochromocytoma: a case report. <i>Patient Safety in Surgery</i> , 2012, 6, 1.	1.1	10
39	Incidence and Time Point of Sepsis Detection as Related to Different Sepsis Definitions in Severely Burned Patients and Their Accompanying Time Course of Pro-Inflammatory Biomarkers. <i>Journal of Personalized Medicine</i> , 2021, 11, 701.	1.1	9
40	Expression of Pancreatic Stone Protein is Unaffected by Trauma and Subsequent Surgery in Burn Patients. <i>World Journal of Surgery</i> , 2020, 44, 3000-3009.	0.8	8
41	Response of routine inflammatory biomarkers and novel Pancreatic Stone Protein to inhalation injury and its interference with sepsis detection in severely burned patients. <i>Burns</i> , 2021, 47, 338-348.	1.1	8
42	Adrenergic Regulation of Complement-Induced Acute Lung Injury. <i>Advances in Experimental Medicine and Biology</i> , 2008, , 88-98.	0.8	3
43	Mitogen-Activated Protein Kinases and Septic Cardiomyopathy. <i>FASEB Journal</i> , 2007, 21, A1150.	0.2	1
44	Role of zonulin as prehepato-globin2 in acute lung injury. <i>FASEB Journal</i> , 2011, 25, .	0.2	1
45	Functional Roles for C5a Receptors in Sepsis. <i>FASEB Journal</i> , 2008, 22, 48.10.	0.2	0