Daniel Rittirsch

List of Publications by Year
in descending order

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45 papers	7,746 citations	136950 32 h-index	243625 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. Nature Protocols, 2009, 4, 31-36.	12.0	1,535
2	Harmful molecular mechanisms in sepsis. Nature Reviews Immunology, 2008, 8, 776-787.	22.7	1,035
3	Generation of C5a in the absence of C3: a new complement activation pathway. Nature Medicine, 2006, 12, 682-687.	30.7	845
4	Molecular Intercommunication between the Complement and Coagulation Systems. Journal of Immunology, 2010, 185, 5628-5636.	0.8	605
5	Phagocyte-derived catecholamines enhance acute inflammatory injury. Nature, 2007, 449, 721-725.	27.8	396
6	Functional roles for C5a receptors in sepsis. Nature Medicine, 2008, 14, 551-557.	30.7	364
7	Interaction Between the Coagulation and Complement System. Advances in Experimental Medicine and Biology, 2008, 632, 68-76.	1.6	329
8	The disconnect between animal models of sepsis and human sepsis. Journal of Leukocyte Biology, 2007, 81, 137-143.	3.3	325
9	Danger Signals Activating the Immune Response after Trauma. Mediators of Inflammation, 2012, 2012, 1-10.	3.0	183
10	Adverse functions of ILâ€17A in experimental sepsis. FASEB Journal, 2008, 22, 2198-2205.	0.5	177
11	Catecholaminesâ€"Crafty Weapons in the Inflammatory Arsenal of Immune/Inflammatory Cells or Opening Pandoraâ€™s Box?. Molecular Medicine, 2008, 14, 195-204.	4.4	161
12	Early Complementopathy After Multiple Injuries in Humans. Shock, 2012, 37, 348-354.	2.1	145
13	Upregulation of Phagocyte-Derived Catecholamines Augments the Acute Inflammatory Response. PLoS ONE, 2009, 4, e4414.	2.5	134
14	Acute Lung Injury Induced by Lipopolysaccharide Is Independent of Complement Activation. Journal of Immunology, 2008, 180, 7664-7672.	0.8	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. Journal of Neuroinflammation, 2007, 4, 13.	7.2	98
16	C5 deficiency and C5a or C5aR blockade protects against cerebral malaria. Journal of Experimental Medicine, 2008, 205, 1133-1143.	8.5	89
17	Hemorrhagic shock drives glycocalyx, barrier and organ dysfunction early after polytrauma. Journal of Critical Care, 2018, 44, 229-237.	2.2	89
18	Inhibition of complement C5a prevents breakdown of the blood-brain barrier and pituitary dysfunction in experimental sepsis. Critical Care, 2009, 13, R12.	5.8	87

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19	Changes and Regulation of the C5a Receptor on Neutrophils during Septic Shock in Humans. Journal of Immunology, 2013, 190, 4215-4225.	0.8	85
20	Reduced neuronal cell death after experimental brain injury in mice lacking a functional alternative pathway of complement activation. BMC Neuroscience, 2006, 7, 55.	1.9	82
21	Cross-Talk between TLR4 and FcÎ³ReceptorIII (CD16) Pathways. PLoS Pathogens, 2009, 5, e1000464.	4.7	77
22	Changes in the Novel Orphan, C5a Receptor (C5L2), during Experimental Sepsis and Sepsis in Humans. Journal of Immunology, 2005, 174, 1104-1110.	0.8	73
23	Role of Complement in Multiorgan Failure. Clinical and Developmental Immunology, 2012, 2012, 1-10.	3.3	66
24	In vivo regulation of neutrophil apoptosis by C5a during sepsis. Journal of Leukocyte Biology, 2006, 80, 1575-1583.	3.3	65
25	Functions of the complement components C3 and C5 during sepsis. FASEB Journal, 2008, 22, 3483-3490.	0.5	64
26	THE ROLE OF C5A IN THE INNATE IMMUNE RESPONSE AFTER EXPERIMENTAL BLUNT CHEST TRAUMA. Shock, 2008, 29, 25-31.	2.1	61
27	Complement C5a Functions as a Master Switch for the pH Balance in Neutrophils Exerting Fundamental Immunometabolic Effects. Journal of Immunology, 2017, 198, 4846-4854.	0.8	58
28	Zonulin as prehaptoglobin2 regulates lung permeability and activates the complement system. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2013, 304, L863-L872.	2.9	57
29	The Complement Anaphylatoxin C5a Induces Apoptosis in Adrenomedullary Cells during Experimental Sepsis. PLoS ONE, 2008, 3, e2560.	2.5	52
30	Pathophysiology of septic encephalopathy - an unsolved puzzle. Critical Care, 2010, 14, 165.	5.8	49
31	EARLY EXPRESSION CHANGES OF COMPLEMENT REGULATORY PROTEINS AND C5a RECEPTOR (CD88) ON LEUKOCYTES AFTER MULTIPLE INJURY IN HUMANS. Shock, 2010, 33, 568-575.	2.1	45
32	C5a-Blockade Improves Burn-Induced Cardiac Dysfunction. Journal of Immunology, 2007, 178, 7902-7910.	0.8	43
33	Direct transplantation of native pericytes from adipose tissue: A new perspective to stimulate healing in critical size bone defects. Cytotherapy, 2016, 18, 41-52.	0.7	33
34	Disturbances of the hypothalamic-pituitary-adrenal axis and plasma electrolytes during experimental sepsis. Annals of Intensive Care, 2011, 1, 53.	4.6	20
35	Improvement of prognostic performance in severely injured patients by integrated clinico-transcriptomics: a translational approach. Critical Care, 2015, 19, 414.	5.8	18
36	Pancreatic Stone Protein Predicts Sepsis in Severely Burned Patients Irrespective of Trauma Severity. Annals of Surgery, 2021, 274, e1179-e1186.	4.2	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. Annals of Surgery, 2016, 264, 1125-1134.	4.2	13
38	Cement-augmented dorsal instrumentation of the spine as a safe adjunct to the multimodal management of metastatic pheochromocytoma: a case report. Patient Safety in Surgery, 2012, 6, 1.	2.3	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. Journal of Personalized Medicine, 2021, 11, 701.	2.5	9
40	Expression of Pancreatic Stone Protein is Unaffected by Trauma and Subsequent Surgery in Burn Patients. World Journal of Surgery, 2020, 44, 3000-3009.	1.6	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. Burns, 2021, 47, 338-348.	1.9	8
42	Adrenergic Regulation of Complement-Induced Acute Lung Injury. Advances in Experimental Medicine and Biology, 2008, , 88-98.	1.6	3
43	Mitogen â€“Activated Protein Kinases and Septic Cardiomyopathy. FASEB Journal, 2007, 21, A1150.	0.5	1
44	Role of zonulin as prehaptoglobin2 in acute lung injury. FASEB Journal, 2011, 25, .	0.5	1
45	Functional Roles for C5a Receptors in Sepsis. FASEB Journal, 2008, 22, 48.10.	0.5	0