

Markus Huber-Lang

List of Publications by Year in descending order

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Version: 2024-02-01

168
papers

12,029
citations

36203

51
h-index

29081

104
g-index

175
all docs

175
docs citations

175
times ranked

14141
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	Generation of C5a in the absence of C3: a new complement activation pathway. <i>Nature Medicine</i> , 2006, 12, 682-687.	15.2	845
3	Molecular Intercommunication between the Complement and Coagulation Systems. <i>Journal of Immunology</i> , 2010, 185, 5628-5636.	0.4	605
4	Complement as a target in COVID-19?. <i>Nature Reviews Immunology</i> , 2020, 20, 343-344.	10.6	426
5	Phagocyte-derived catecholamines enhance acute inflammatory injury. <i>Nature</i> , 2007, 449, 721-725.	13.7	396
6	Protective effects of C5a blockade in sepsis. <i>Nature Medicine</i> , 1999, 5, 788-792.	15.2	385
7	Innate immune responses to trauma. <i>Nature Immunology</i> , 2018, 19, 327-341.	7.0	377
8	Functional roles for C5a receptors in sepsis. <i>Nature Medicine</i> , 2008, 14, 551-557.	15.2	364
9	Interaction Between the Coagulation and Complement System. <i>Advances in Experimental Medicine and Biology</i> , 2008, 632, 68-76.	0.8	329
10	The first case of COVID-19 treated with the complement C3 inhibitor AMY-101. <i>Clinical Immunology</i> , 2020, 215, 108450.	1.4	252
11	Generation of C5a by Phagocytic Cells. <i>American Journal of Pathology</i> , 2002, 161, 1849-1859.	1.9	206
12	Role of C5a in Multiorgan Failure During Sepsis. <i>Journal of Immunology</i> , 2001, 166, 1193-1199.	0.4	205
13	Molecular Signatures of Sepsis. <i>American Journal of Pathology</i> , 2001, 159, 1199-1209.	1.9	190
14	Complement-Induced Impairment of Innate Immunity During Sepsis. <i>Journal of Immunology</i> , 2002, 169, 3223-3231.	0.4	178
15	Transitional changes in the CRP structure lead to the exposure of proinflammatory binding sites. <i>Nature Communications</i> , 2017, 8, 14188.	5.8	158
16	Protection of innate immunity by C5aR antagonist in septic mice. <i>FASEB Journal</i> , 2002, 16, 1567-1574.	0.2	152
17	Anti-C5a Ameliorates Coagulation/Fibrinolytic Protein Changes in a Rat Model of Sepsis. <i>American Journal of Pathology</i> , 2002, 160, 1867-1875.	1.9	152
18	Early Complementopathy After Multiple Injuries in Humans. <i>Shock</i> , 2012, 37, 348-354.	1.0	145

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19	Complement C3a and C5a modulate osteoclast formation and inflammatory response of osteoblasts in synergism with IL-1 β . <i>Journal of Cellular Biochemistry</i> , 2011, 112, 2594-2605.	1.2	142
20	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
21	Protective effects of anti-C5a peptide antibodies in experimental sepsis. <i>FASEB Journal</i> , 2001, 15, 568-570.	0.2	124
22	Dangerous liaisons: complement, coagulation, and kallikrein/kinin cross-talk act as a linchpin in the events leading to thromboinflammation. <i>Immunological Reviews</i> , 2016, 274, 245-269.	2.8	124
23	Extracellular Vesicles: Packages Sent With Complement. <i>Frontiers in Immunology</i> , 2018, 9, 721.	2.2	103
24	Role of extracellular histones in the cardiomyopathy of sepsis. <i>FASEB Journal</i> , 2015, 29, 2185-2193.	0.2	98
25	Molecular mechanisms of inflammation and tissue injury after major trauma-is complement the "bad guy"? <i>Journal of Biomedical Science</i> , 2011, 18, 90.	2.6	96
26	Complement-induced activation of the cardiac NLRP3 inflammasome in sepsis. <i>FASEB Journal</i> , 2016, 30, 3997-4006.	0.2	91
27	Hemorrhagic shock drives glycocalyx, barrier and organ dysfunction early after polytrauma. <i>Journal of Critical Care</i> , 2018, 44, 229-237.	1.0	89
28	Neutrophils in Tissue Trauma of the Skin, Bone, and Lung: Two Sides of the Same Coin. <i>Journal of Immunology Research</i> , 2018, 2018, 1-12.	0.9	88
29	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
30	Feasibility and safety of treating non-unions in tibia, femur and humerus with autologous, expanded, bone marrow-derived mesenchymal stromal cells associated with biphasic calcium phosphate biomaterials in a multicentric, non-comparative trial. <i>Biomaterials</i> , 2019, 196, 100-108.	5.7	87
31	The role of complement in trauma and fracture healing. <i>Seminars in Immunology</i> , 2013, 25, 73-78.	2.7	85
32	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
33	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
34	A Novel C5a-neutralizing Mirror-image (I-)Aptamer Prevents Organ Failure and Improves Survival in Experimental Sepsis. <i>Molecular Therapy</i> , 2013, 21, 2236-2246.	3.7	74
35	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
36	Complement involvement in bone homeostasis and bone disorders. <i>Seminars in Immunology</i> , 2018, 37, 53-65.	2.7	69

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37	Factor VII-Activating Protease Is Activated in Multiple Trauma Patients and Generates Anaphylatoxin C5a. <i>Journal of Immunology</i> , 2012, 188, 2858-2865.	0.4	68
38	Immunopathophysiology of trauma-related acute kidney injury. <i>Nature Reviews Nephrology</i> , 2021, 17, 91-111.	4.1	68
39	Complement-coagulation crosstalk on cellular and artificial surfaces. <i>Immunobiology</i> , 2016, 221, 1073-1079.	0.8	67
40	Role of Complement in Multiorgan Failure. <i>Clinical and Developmental Immunology</i> , 2012, 2012, 1-10.	3.3	66
41	Functions of the complement components C3 and C5 during sepsis. <i>FASEB Journal</i> , 2008, 22, 3483-3490.	0.2	64
42	Experimental blunt chest trauma impairs fracture healing in rats. <i>Journal of Orthopaedic Research</i> , 2011, 29, 734-739.	1.2	63
43	The multifaceted role of complement in kidney transplantation. <i>Nature Reviews Nephrology</i> , 2018, 14, 767-781.	4.1	63
44	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
45	THE ROLE OF C5A IN THE INNATE IMMUNE RESPONSE AFTER EXPERIMENTAL BLUNT CHEST TRAUMA. <i>Shock</i> , 2008, 29, 25-31.	1.0	61
46	The Anaphylatoxin Receptor C5aR Is Present During Fracture Healing in Rats and Mediates Osteoblast Migration In Vitro. <i>Journal of Trauma</i> , 2011, 71, 952-960.	2.3	60
47	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
48	Complement C5a-Induced Changes in Neutrophil Morphology During Inflammation. <i>Scandinavian Journal of Immunology</i> , 2017, 86, 143-155.	1.3	58
49	Interleukin 8 Elicits Rapid Physiological Changes in Neutrophils That Are Altered by Inflammatory Conditions. <i>Journal of Innate Immunity</i> , 2021, 13, 225-241.	1.8	58
50	Role of Activated Neutrophils in Chest Trauma-Induced Septic Acute Lung Injury. <i>Shock</i> , 2012, 38, 98-106.	1.0	57
51	IL-10 mediates plasmacytosis-associated immunodeficiency by inhibiting complement-mediated neutrophil migration. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 1487-1497.e6.	1.5	57
52	Complement inhibition at the level of C3 or C5: mechanistic reasons for ongoing terminal pathway activity. <i>Blood</i> , 2021, 137, 443-455.	0.6	55
53	Combined Hemorrhage/Trauma Models in Pigs—Current State and Future Perspectives. <i>Shock</i> , 2013, 40, 247-273.	1.0	54
54	Role of Alveolar Macrophages in the Inflammatory Response After Trauma. <i>Shock</i> , 2014, 42, 3-10.	1.0	54

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55	Systemic inflammation induced by a thoracic trauma alters the cellular composition of the early fracture callus. <i>Journal of Trauma and Acute Care Surgery</i> , 2013, 74, 531-537.	1.1	53
56	Structure-Function Relationships of Human C5a and C5aR. <i>Journal of Immunology</i> , 2003, 170, 6115-6124.	0.4	52
57	Double Blockade of CD14 and Complement C5 Abolishes the Cytokine Storm and Improves Morbidity and Survival in Polymicrobial Sepsis in Mice. <i>Journal of Immunology</i> , 2014, 192, 5324-5331.	0.4	52
58	Complement C3 and C5 Deficiency Affects Fracture Healing. <i>PLoS ONE</i> , 2013, 8, e81341.	1.1	48
59	Complement Destabilizes Cardiomyocyte Function In Vivo after Polymicrobial Sepsis and In Vitro. <i>Journal of Immunology</i> , 2016, 197, 2353-2361.	0.4	47
60	Targeting Complement Pathways in Polytrauma- and Sepsis-Induced Multiple-Organ Dysfunction. <i>Frontiers in Immunology</i> , 2019, 10, 543.	2.2	47
61	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
62	Does complement play a role in bone development and regeneration?. <i>Immunobiology</i> , 2013, 218, 1-9.	0.8	45
63	Neutrophil heterogeneity and its role in infectious complications after severe trauma. <i>World Journal of Emergency Surgery</i> , 2019, 14, 24.	2.1	45
64	Granzyme B: A New Crossroad of Complement and Apoptosis. <i>Advances in Experimental Medicine and Biology</i> , 2012, 946, 135-146.	0.8	44
65	C5aR antagonist significantly reduces the deleterious effect of a blunt chest trauma on fracture healing. <i>Journal of Orthopaedic Research</i> , 2012, 30, 581-586.	1.2	41
66	Role of Hemorrhagic Shock in Experimental Polytrauma. <i>Shock</i> , 2018, 49, 154-163.	1.0	41
67	SARS-CoV-2/COVID-19: Evolving Reality, Global Response, Knowledge Gaps, and Opportunities. <i>Shock</i> , 2020, 54, 416-437.	1.0	41
68	Complement-induced activation of MAPKs and Akt during sepsis: role in cardiac dysfunction. <i>FASEB Journal</i> , 2017, 31, 4129-4139.	0.2	39
69	Crucial Role of IL1beta and C3a in the In Vitro-Response of Multipotent Mesenchymal Stromal Cells to Inflammatory Mediators of Polytrauma. <i>PLoS ONE</i> , 2015, 10, e0116772.	1.1	39
70	The molecular fingerprint of lung inflammation after blunt chest trauma. <i>European Journal of Medical Research</i> , 2015, 20, 70.	0.9	37
71	Comparative Analysis of Novel Complement-Targeted Inhibitors, MiniFH, and the Natural Regulators Factor H and Factor H-like Protein 1 Reveal Functional Determinants of Complement Regulation. <i>Journal of Immunology</i> , 2016, 196, 866-876.	0.4	37
72	Bride and groom in systemic inflammation – The bells ring for complement and Toll in cooperation. <i>Immunobiology</i> , 2012, 217, 1047-1056.	0.8	35

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73	Cathepsin D is released after severe tissue trauma in vivo and is capable of generating C5a in vitro. <i>Molecular Immunology</i> , 2012, 50, 60-65.	1.0	35
74	Complement receptors C5aR1 and C5aR2 act differentially during the early immune response after bone fracture but are similarly involved in bone repair. <i>Scientific Reports</i> , 2017, 7, 14061.	1.6	35
75	Protective Effects of the Complement Inhibitor Compstatin CP40 in Hemorrhagic Shock. <i>Shock</i> , 2019, 51, 78-87.	1.0	34
76	The Role of Troponin in Blunt Cardiac Injury After Multiple Trauma in Humans. <i>World Journal of Surgery</i> , 2017, 41, 162-169.	0.8	33
77	Combined inhibition of complement and CD14 improved outcome in porcine polymicrobial sepsis. <i>Critical Care</i> , 2015, 19, 415.	2.5	32
78	Associations of adverse childhood experiences and bullying on physical pain in the general population of Germany. <i>Journal of Pain Research</i> , 2018, Volume 11, 3099-3108.	0.8	32
79	Early efficacy evaluation of mesenchymal stromal cells (MSC) combined to biomaterials to treat long bone non-unions. <i>Injury</i> , 2020, 51, S63-S73.	0.7	32
80	Complement therapeutic strategies in trauma, hemorrhagic shock and systemic inflammation – closing Pandora’s box?. <i>Seminars in Immunology</i> , 2016, 28, 278-284.	2.7	31
81	Experimental blunt chest trauma-induced myocardial inflammation and alteration of gap-junction protein connexin 43. <i>PLoS ONE</i> , 2017, 12, e0187270.	1.1	31
82	Early structural changes of the heart after experimental polytrauma and hemorrhagic shock. <i>PLoS ONE</i> , 2017, 12, e0187327.	1.1	31
83	STAT6 mediates the effect of ethanol on neuroinflammatory response in TBI. <i>Brain, Behavior, and Immunity</i> , 2019, 81, 228-246.	2.0	31
84	Self versus Nonself Discrimination by the Soluble Complement Regulators Factor H and FHL-1. <i>Journal of Immunology</i> , 2019, 202, 2082-2094.	0.4	31
85	Auxiliary activation of the complement system and its importance for the pathophysiology of clinical conditions. <i>Seminars in Immunopathology</i> , 2018, 40, 87-102.	2.8	30
86	Complement After Trauma: Suturing Innate and Adaptive Immunity. <i>Frontiers in Immunology</i> , 2018, 9, 2050.	2.2	29
87	Role of Complement on Broken Surfaces After Trauma. <i>Advances in Experimental Medicine and Biology</i> , 2015, 865, 43-55.	0.8	28
88	Acute ethanol administration results in a protective cytokine and neuroinflammatory profile in traumatic brain injury. <i>International Immunopharmacology</i> , 2017, 51, 66-75.	1.7	28
89	C5aR1 interacts with TLR2 in osteoblasts and stimulates the osteoclast-inducing chemokine CXCL10. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 6002-6014.	1.6	28
90	Complement in sepsis – when science meets clinics. <i>FEBS Letters</i> , 2020, 594, 2621-2632.	1.3	28

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91	Circulating growth/differentiation factor 15 is associated with human CD56bright natural killer cell dysfunction and nosocomial infection in severe systemic inflammation. <i>EBioMedicine</i> , 2019, 43, 380-391.	2.7	27
92	Labile Heme Aggravates Renal Inflammation and Complement Activation After Ischemia Reperfusion Injury. <i>Frontiers in Immunology</i> , 2019, 10, 2975.	2.2	26
93	Osteoblast-specific overexpression of complement receptor C5aR1 impairs fracture healing. <i>PLoS ONE</i> , 2017, 12, e0179512.	1.1	26
94	Inflammation, Thrombosis, and Destruction: The Three-Headed Cerberus of Trauma- and SARS-CoV-2-Induced ARDS. <i>Frontiers in Immunology</i> , 2020, 11, 584514.	2.2	25
95	Complement as driver of systemic inflammation and organ failure in trauma, burn, and sepsis. <i>Seminars in Immunopathology</i> , 2021, 43, 773-788.	2.8	25
96	A Novel S100A8/A9 Induced Fingerprint of Mesenchymal Stem Cells associated with Enhanced Wound Healing. <i>Scientific Reports</i> , 2018, 8, 6205.	1.6	24
97	Medusa's Head: The Complement System in Traumatic Brain and Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2018, 35, 226-240.	1.7	24
98	Extracellular Vesicles in Musculoskeletal Pathologies and Regeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 624096.	2.0	23
99	Neuroprotective effect of acute ethanol intoxication in TBI is associated to the hierarchical modulation of early transcriptional responses. <i>Experimental Neurology</i> , 2018, 302, 34-45.	2.0	22
100	The Mitochondria-Targeted H2S-Donor AP39 in a Murine Model of Combined Hemorrhagic Shock and Blunt Chest Trauma. <i>Shock</i> , 2019, 52, 230-239.	1.0	22
101	Remote Intestinal Injury Early After Experimental Polytrauma and Hemorrhagic Shock. <i>Shock</i> , 2019, 52, e45-e51.	1.0	21
102	Complement in trauma—Traumatised complement?. <i>British Journal of Pharmacology</i> , 2021, 178, 2863-2879.	2.7	21
103	Is There an Impact of Concomitant Injuries and Timing of Fixation of Major Fractures on Fracture Healing? A Focused Review of Clinical and Experimental Evidence. <i>Journal of Orthopaedic Trauma</i> , 2016, 30, 104-112.	0.7	20
104	Complement C5a Alters the Membrane Potential of Neutrophils during Hemorrhagic Shock. <i>Mediators of Inflammation</i> , 2018, 2018, 1-12.	1.4	20
105	Diet-Induced Obesity Affects Muscle Regeneration After Murine Blunt Muscle Trauma—A Broad Spectrum Analysis. <i>Frontiers in Physiology</i> , 2018, 9, 674.	1.3	20
106	Effects of Prior Psychosocial Trauma on Subsequent Immune Response After Experimental Thorax Trauma. <i>Shock</i> , 2018, 49, 690-697.	1.0	19
107	A CRHR1 antagonist prevents synaptic loss and memory deficits in a trauma-induced delirium-like syndrome. <i>Molecular Psychiatry</i> , 2021, 26, 3778-3794.	4.1	19
108	Parvalbumin Interneurons Shape Neuronal Vulnerability in Blunt TBI. <i>Cerebral Cortex</i> , 2019, 29, 2701-2715.	1.6	18

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109	In-Depth Characterization of the Effects of Cigarette Smoke Exposure on the Acute Trauma Response and Hemorrhage in Mice. <i>Shock</i> , 2019, 51, 68-77.	1.0	18
110	The Effects of Genetic 3-Mercaptopyruvate Sulfurtransferase Deficiency in Murine Traumatic-Hemorrhagic Shock. <i>Shock</i> , 2019, 51, 472-478.	1.0	18
111	Complement Activation and Organ Damage After Trauma—Differential Immune Response Based on Surgical Treatment Strategy. <i>Frontiers in Immunology</i> , 2020, 11, 64.	2.2	18
112	An Unbiased Flow Cytometry-Based Approach to Assess Subset-Specific Circulating Monocyte Activation and Cytokine Profile in Whole Blood. <i>Frontiers in Immunology</i> , 2021, 12, 641224.	2.2	18
113	Early Detection of Junctional Adhesion Molecule-1 (JAM-1) in the Circulation after Experimental and Clinical Polytrauma. <i>Mediators of Inflammation</i> , 2015, 2015, 1-7.	1.4	17
114	MDSCs are induced after experimental blunt chest trauma and subsequently alter antigen-specific T cell responses. <i>Scientific Reports</i> , 2017, 7, 12808.	1.6	17
115	Complement C5a Induces Pro-inflammatory Microvesicle Shedding in Severely Injured Patients. <i>Frontiers in Immunology</i> , 2020, 11, 1789.	2.2	16
116	Activation of Neutrophil Granulocytes by Platelet-Activating Factor Is Impaired During Experimental Sepsis. <i>Frontiers in Immunology</i> , 2021, 12, 642867.	2.2	16
117	CRP Enhances the Innate Killing Mechanisms Phagocytosis and ROS Formation in a Conformation and Complement-Dependent Manner. <i>Frontiers in Immunology</i> , 2021, 12, 721887.	2.2	16
118	Mesenchymal Stem Cells after Polytrauma: Actor and Target. <i>Stem Cells International</i> , 2016, 2016, 1-10.	1.2	15
119	Inflammatory response of mesenchymal stromal cells after in vivo exposure with selected trauma-related factors and polytrauma serum. <i>PLoS ONE</i> , 2019, 14, e0216862.	1.1	15
120	Procalcitonin Exerts a Mediator Role in Septic Shock Through the Calcitonin Gene-Related Peptide Receptor. <i>Critical Care Medicine</i> , 2021, 49, e41-e52.	0.4	15
121	Effects of immune cells on mesenchymal stem cells during fracture healing. <i>World Journal of Stem Cells</i> , 2021, 13, 1667-1695.	1.3	15
122	The Neuroprotective Effect of Ethanol Intoxication in Traumatic Brain Injury Is Associated with the Suppression of ErbB Signaling in Parvalbumin-Positive Interneurons. <i>Journal of Neurotrauma</i> , 2018, 35, 2718-2735.	1.7	14
123	Animal-Free Human Whole Blood Sepsis Model to Study Changes in Innate Immunity. <i>Frontiers in Immunology</i> , 2020, 11, 571992.	2.2	14
124	Tuning the Functionality by Splicing: Factor H and Its Alternative Splice Variant FHL-1 Share a Gene but Not All Functions. <i>Frontiers in Immunology</i> , 2020, 11, 596415.	2.2	13
125	Role of Complement C5 in Experimental Blunt Chest Trauma-Induced Septic Acute Lung Injury (ALI). <i>PLoS ONE</i> , 2016, 11, e0159417.	1.1	13
126	The dual role of academic surgeons as clinicians and researchers - an attempt to square the circle?. <i>Patient Safety in Surgery</i> , 2011, 5, 16.	1.1	12

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127	Mesenchymal stem cells in peripheral blood of severely injured patients. <i>European Journal of Trauma and Emergency Surgery</i> , 2018, 44, 627-636.	0.8	12
128	Systemic and Cardiac Alterations After Long Bone Fracture. <i>Shock</i> , 2020, 54, 761-773.	1.0	12
129	Small Extracellular Vesicles Propagate the Inflammatory Response After Trauma. <i>Advanced Science</i> , 2021, 8, e2102381.	5.6	12
130	PKD regulates actin polymerization, neutrophil deformability, and transendothelial migration in response to fMLP and trauma. <i>Journal of Leukocyte Biology</i> , 2018, 104, 615-630.	1.5	11
131	Immunostimulatory functions of adoptively transferred MDSCs in experimental blunt chest trauma. <i>Scientific Reports</i> , 2019, 9, 7992.	1.6	11
132	Thirty-Eight-Negative Kinase 1 Is a Mediator of Acute Kidney Injury in Experimental and Clinical Traumatic Hemorrhagic Shock. <i>Frontiers in Immunology</i> , 2020, 11, 2081.	2.2	11
133	Deceleration during 'real life' motor vehicle collisions – a sensitive predictor for the risk of sustaining a cervical spine injury?. <i>Patient Safety in Surgery</i> , 2009, 3, 5.	1.1	10
134	A Recombinant Fusion Toxin Based on Enzymatic Inactive C3bot1 Selectively Targets Macrophages. <i>PLoS ONE</i> , 2013, 8, e54517.	1.1	10
135	Cardiac Glucose and Fatty Acid Transport After Experimental Mono- and Polytrauma. <i>Shock</i> , 2020, 53, 620-629.	1.0	10
136	Alteration of complement hemolytic activity in different trauma and sepsis models. <i>Journal of Inflammation Research</i> , 2012, 5, 59.	1.6	9
137	Systemic recovery and therapeutic effects of transplanted allogenic and xenogenic mesenchymal stromal cells in a rat blunt chest trauma model. <i>Cytotherapy</i> , 2018, 20, 218-231.	0.3	9
138	Ion and Water Transport in Neutrophil Granulocytes and Its Impairment during Sepsis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1699.	1.8	9
139	Interleukin-1 β and cathepsin D modulate formation of the terminal complement complex in cultured human disc tissue. <i>European Spine Journal</i> , 2021, 30, 2247-2256.	1.0	9
140	Role of the C5a-C5a receptor axis in the inflammatory responses of the lungs after experimental polytrauma and hemorrhagic shock. <i>Scientific Reports</i> , 2021, 11, 2158.	1.6	9
141	C5aR inhibition in the early inflammatory phase does not affect bone regeneration in a model of uneventful fracture healing. <i>European Journal of Medical Research</i> , 2016, 21, 42.	0.9	8
142	Ethanol Intoxication Alleviates the Inflammatory Response of Remote Organs to Experimental Traumatic Brain Injury. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8181.	1.8	8
143	–Stealth–™ corporate innovation: an emerging threat for therapeutic drug development. <i>Nature Immunology</i> , 2019, 20, 1409-1413.	7.0	7
144	The Prognostic Value of Troponin in Pediatric Polytrauma. <i>Frontiers in Pediatrics</i> , 2019, 7, 477.	0.9	7

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145	Functional immune monitoring in severely injured patientsâ€”A pilot study. <i>Scandinavian Journal of Immunology</i> , 2020, 91, e12837.	1.3	7
146	Evaluation of the gut microbiome in association with biological signatures of inflammation in murine polytrauma and shock. <i>Scientific Reports</i> , 2021, 11, 6665.	1.6	7
147	The future of basic science in orthopaedics and traumatology: Cassandra or Prometheus?. <i>European Journal of Medical Research</i> , 2021, 26, 56.	0.9	7
148	Adipose tissue: a neglected organ in the response to severe trauma?. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 207.	2.4	7
149	Rho-inhibiting C2IN-C3 fusion toxin inhibits chemotactic recruitment of human monocytes ex vivo and in mice in vivo. <i>Archives of Toxicology</i> , 2018, 92, 323-336.	1.9	6
150	Temporalâ€”spatial organ response after blastâ€”induced experimental blunt abdominal trauma. <i>FASEB Journal</i> , 2021, 35, e22038.	0.2	6
151	Visions and reality: the idea of competence-oriented assessment for German medical students is not yet realised in licensing examinations. <i>GMS Journal for Medical Education</i> , 2017, 34, Doc25.	0.1	6
152	Hemorrhagic shock induces renal complement activation. <i>European Journal of Trauma and Emergency Surgery</i> , 2021, 47, 373-380.	0.8	5
153	Zebrafish fin regeneration involves generic and regeneration-specific osteoblast injury responses. <i>ELife</i> , 0, 11, .	2.8	5
154	Inflammatory response to the ischaemiaâ€”reperfusion insult in the liver after major tissue trauma. <i>European Journal of Trauma and Emergency Surgery</i> , 2022, 48, 4431-4444.	0.8	5
155	The impact of a dedicated training program for oral examiners at a medical school in Germany: a survey among participants from operative and non-operative disciplines. <i>Patient Safety in Surgery</i> , 2013, 7, 22.	1.1	4
156	TREM1-ors shake the brain and gut after stroke. <i>Nature Immunology</i> , 2019, 20, 950-952.	7.0	4
157	Differential effect of ethanol intoxication on peripheral markers of cerebral injury in murine blunt traumatic brain injury. <i>Burns and Trauma</i> , 2021, 9, ttab027.	2.3	4
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