Timothy R Billiar

List of Publications by Year
in descending order

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620 papers	53,539 citations	1457 107 h-index	2274 200 g-index
633 all docs	633 docs citations	633 times ranked	47036 citing authors

#	Article	IF	Citations
1	Analysis of glutathione mediated S-(de)nitrosylation in complex biological matrices by immuno-spin trapping and identification of two novel substrates. Nitric Oxide - Biology and Chemistry, 2022, 118, 26-30.	1.2	3
2	Patient-Specific Precision Injury Signatures to Optimize Orthopaedic Interventions in Multiply Injured Patients (PRECISE STUDY). Journal of Orthopaedic Trauma, 2022, 36, S14-S20.	0.7	3
3	Hepatocytes Are Resistant to Cell Death From Canonical and Non-Canonical Inflammasome-Activated Pyroptosis. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 739-757.	2.3	16
4	The independent prognostic value of global epigenetic alterations: An analysis of single-cell ATAC-seq of circulating leukocytes from trauma patients followed by validation in whole blood leukocyte transcriptomes across three etiologies of critical illness. EBioMedicine, 2022, 76, 103860.	2.7	7
5	GRK2 regulates group 2 innate lymphoid cell mobilization in sepsis. Molecular Medicine, 2022, 28, 32.	1.9	2
6	ADAR1 RNA editing regulates endothelial cell functions via the MDA-5 RNA sensing signaling pathway. Life Science Alliance, 2022, 5, e202101191.	1.3	7
7	Robust and accurate estimation of cellular fraction from tissue omics data via ensemble deconvolution. Bioinformatics, 2022, 38, 3004-3010.	1.8	10
8	Z-DNA binding protein 1 promotes heatstroke-induced cell death. Science, 2022, 376, 609-615.	6.0	37
9	Single-cell transcriptome profiling of the immune space-time landscape reveals dendritic cell regulatory program in polymicrobial sepsis. Theranostics, 2022, 12, 4606-4628.	4.6	17
10	Transcriptomic responses from improved murine sepsis models can better mimic human surgical sepsis. FASEB Journal, 2021, 35, e21156.	0.2	5
11	Prehospital Blood Product and Crystalloid Resuscitation in the Severely Injured Patient. Annals of Surgery, 2021, 273, 358-364.	2.1	119
12	A road map from single-cell transcriptome to patient classification for the immune response to trauma. JCI Insight, 2021, 6, .	2.3	29
13	The HIV protease inhibitor Saquinavir attenuates sepsis-induced acute lung injury and promotes M2 macrophage polarization via targeting matrix metalloproteinase-9. Cell Death and Disease, 2021, 12, 67.	2.7	21
14	Targeting adaptor protein SLP76 of RAGE as a therapeutic approach for lethal sepsis. Nature Communications, 2021, 12, 308.	5.8	24
15	Maresin 1 protects the liver against ischemia/reperfusion injury via the ALXR/Akt signaling pathway. Molecular Medicine, 2021, 27, 18.	1.9	19
16	Geospatial assessment of helicopter emergency medical service overtriage. Journal of Trauma and Acute Care Surgery, 2021, 91, 178-185.	1.1	4
17	Protective/reparative cytokines are suppressed at high injury severity in human trauma. Trauma Surgery and Acute Care Open, 2021, 6, e000619.	0.8	10
18	Single-Cell Transcriptomics Reveals Compartment-Specific Differences in Immune Responses and Contributions for Complement Factor 3 in Hemorrhagic Shock Plus Tissue Trauma. Shock, 2021, 56, 994-1008.	1.0	2

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19	Analysis of the Plasma Metabolome after Trauma, Novel Circulating Sphingolipid Signatures, and In-Hospital Outcomes. Journal of the American College of Surgeons, 2021, 232, 276-287e1.	0.2	17
20	Platelet TLR4-ERK5 Axis Facilitates NET-Mediated Capturing of Circulating Tumor Cells and Distant Metastasis after Surgical Stress. Cancer Research, 2021, 81, 2373-2385.	0.4	72
21	Heparin prevents caspase-11-dependent septic lethality independent of anticoagulant properties. Immunity, 2021, 54, 454-467.e6.	6.6	74
22	A small molecule binding HMGB1 inhibits caspase-11-mediated lethality in sepsis. Cell Death and Disease, 2021, 12, 402.	2.7	13
23	Making the call in the field: Validating emergency medical services identification of anatomic trauma triage criteria. Journal of Trauma and Acute Care Surgery, 2021, 90, 967-972.	1.1	4
24	A putative â€œchemokine switchâ€•that regulates systemic acute inflammation in humans. Scientific Reports, 2021, 11, 9703.	1.6	12
25	The Use of Multiplexing to Identify Cytokine and Chemokine Networks in the Immune-Inflammatory Response to Trauma. Antioxidants and Redox Signaling, 2021, 35, 1393-1406.	2.5	8
26	The Whole is Greater Than the Sum of its Parts: GCS Versus GCS-Motor for Triage in Geriatric Trauma. Journal of Surgical Research, 2021, 261, 385-393.	0.8	5
27	Emerging mechanisms of immunocoagulation in sepsis and septic shock. Trends in Immunology, 2021, 42, 508-522.	2.9	51
28	Spatiotemporally specific roles of TLR4, TNF, and IL-17A in murine endotoxin-induced inflammation inferred from analysis of dynamic networks. Molecular Medicine, 2021, 27, 65.	1.9	14
29	Mechanical Ventilation Exacerbates Poly (I:C) Induced Acute Lung Injury: Central Role for Caspase-11 and Gut-Lung Axis. Frontiers in Immunology, 2021, 12, 693874.	2.2	12
30	Aicardi-GoutiÃ¨res syndrome-associated mutation at ADAR1 gene locus activates innate immune response in mouse brain. Journal of Neuroinflammation, 2021, 18, 169.	3.1	25
31	HMGB1 released from nociceptors mediates inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	34
32	Understanding the role of S-nitrosylation/nitrosative stress in inflammation and the role of cellular denitrosylases in inflammation modulation: Implications in health and diseases. Free Radical Biology and Medicine, 2021, 172, 604-621.	1.3	8
33	Immunoâ€Spin Trapping Method for the Analysis of Sâ€Nitrosylated Proteins. Current Protocols, 2021, 1, e262.	1.3	0
34	Plateletâ€“Monocyte Aggregates: Understanding Mechanisms and Functions in Sepsis. Shock, 2021, 55, 156-166.	1.0	17
35	TBK1/IKKÎµ Negatively Regulate LPS-Induced Neutrophil Necroptosis and Lung Inflammation. Shock, 2021, 55, 338-348.	1.0	6
36	Early dynamic orchestration of immunologic mediators identifies multiply injured patients who are tolerant or sensitive to hemorrhage. Journal of Trauma and Acute Care Surgery, 2021, 90, 441-450.	1.1	8

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37	Circulating Monocytes Show Early and Persistent Changes by Single Cell Transcriptomic Analysis in Response to Major Elective Surgery. Journal of the American College of Surgeons, 2021, 233, S89-S90.	0.2	0
38	Multi-omic analysis in injured humans: Patterns align with outcomes and treatment responses. Cell Reports Medicine, 2021, 2, 100478.	3.3	35
39	NO and hepatocellular cancer. British Journal of Pharmacology, 2020, 177, 5459-5466.	2.7	18
40	EGFR signaling augments TLR4 cell surface expression and function in macrophages via regulation of Rab5a activation. Protein and Cell, 2020, 11, 144-149.	4.8	14
41	An Aging-Related Single-Nucleotide Polymorphism is Associated With Altered Clinical Outcomes and Distinct Inflammatory Profiles in Aged Blunt Trauma Patients. Shock, 2020, 53, 146-155.	1.0	6
42	Quality Control Measures and Validation in Gene Association Studies: Lessons for Acute Illness. Shock, 2020, 53, 256-268.	1.0	1
43	Disparities in rural versus urban field triage: Risk and mitigating factors for undertriage. Journal of Trauma and Acute Care Surgery, 2020, 89, 246-253.	1.1	17
44	Extracellular SQSTM1 mediates bacterial septic death in mice through insulin receptor signalling. Nature Microbiology, 2020, 5, 1576-1587.	5.9	45
45	Tranexamic Acid During Prehospital Transport in Patients at Risk for Hemorrhage After Injury. JAMA Surgery, 2020, , .	2.2	53
46	Hepatocyte high-mobility group box 1 protects against steatosis and cellular stress during high fat diet feeding. Molecular Medicine, 2020, 26, 115.	1.9	9
47	Editorial: Translational Insights Into Mechanisms and Therapy of Organ Dysfunction in Sepsis and Trauma. Frontiers in Immunology, 2020, 11, 1987.	2.2	4
48	Notch signaling protects CD4 T cells from STING-mediated apoptosis during acute systemic inflammation. Science Advances, 2020, 6, .	4.7	29
49	Biomarkers to Distinguish Sepsis From Sterile Inflammation. Annals of Surgery, 2020, 272, 611-611.	2.1	1
50	HMGB1 as a potential biomarker and therapeutic target for severe COVID-19. Heliyon, 2020, 6, e05672.	1.4	118
51	Association of Prehospital Plasma With Survival in Patients With Traumatic Brain Injury. JAMA Network Open, 2020, 3, e2016869.	2.8	50
52	RAGE-induced ILC2 expansion in acute lung injury due to haemorrhagic shock. Thorax, 2020, 75, 209-219.	2.7	23
53	Unsupervised Clustering Analysis Based on MODS Severity Identifies Four Distinct Organ Dysfunction Patterns in Severely Injured Blunt Trauma Patients. Frontiers in Medicine, 2020, 7, 46.	1.2	13
54	TMEM173 Drives Lethal Coagulation in Sepsis. Cell Host and Microbe, 2020, 27, 556-570.e6.	5.1	119

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55	Immuneâ€Responsive Gene 1/Itaconate Activates Nuclear Factor Erythroid 2â€“Related Factor 2 in Hepatocytes to Protect Against Liver Ischemiaâ€“Reperfusion Injury. Hepatology, 2020, 72, 1394-1411.	3.6	124
56	Association Between Preoperative Metformin Exposure and Postoperative Outcomes in Adults With Type 2 Diabetes. JAMA Surgery, 2020, 155, e200416.	2.2	51
57	LPS Induces Active HMGB1 Release From Hepatocytes Into Exosomes Through the Coordinated Activities of TLR4 and Caspase-11/GSDMD Signaling. Frontiers in Immunology, 2020, 11, 229.	2.2	81
58	The role of type 1 interferons in Gram-negative bacteria-induced coagulation. Blood, 2020, 135, 1087-1100.	0.6	50
59	Gut Microbiota and Multiple Organ Dysfunction Syndrome (MODS). Advances in Experimental Medicine and Biology, 2020, 1238, 195-202.	0.8	11
60	Prehospital plasma is associated with distinct biomarker expression following injury. JCI Insight, 2020, 5, .	2.3	52
61	Mechanical Ventilation With Moderate Tidal Volume Exacerbates Extrapulmonary Sepsis-Induced Lung Injury via IL33-WISP1 Signaling Pathway. Shock, 2020, Publish Ahead of Print, 461-472.	1.0	5
62	Insights into the association between coagulopathy and inflammation: abnormal clot mechanics are a warning of immunologic dysregulation following major injury. Annals of Translational Medicine, 2020, 8, 1576-1576.	0.7	7
63	Lack of Benefit on Brain Edema, Bloodâ€“Brain Barrier Permeability, or Cognitive Outcome in Global Inducible High Mobility Group Box 1 Knockout Mice Despite Tissue Sparing after Experimental Traumatic Brain Injury. Journal of Neurotrauma, 2019, 36, 360-369.	1.7	16
64	Dichotomous Role of Plasmin in Regulation of Macrophage Function after Acetaminophen Overdose. American Journal of Pathology, 2019, 189, 1986-2001.	1.9	8
65	Elevations in Circulating sST2 Levels Are Associated With In-Hospital Mortality and Adverse Clinical Outcomes After Blunt Trauma. Journal of Surgical Research, 2019, 244, 23-33.	0.8	12
66	Innate-Like Lymphocytes Are Immediate Participants in the Hyper-Acute Immune Response to Trauma and Hemorrhagic Shock. Frontiers in Immunology, 2019, 10, 1501.	2.2	15
67	IL-33-mediated IL-13 secretion by ST2+ Treg controls inflammation after lung injury. JCI Insight, 2019, 4, .	2.3	54
68	Diurnal Variation in Systemic Acute Inflammation and Clinical Outcomes Following Severe Blunt Trauma. Frontiers in Immunology, 2019, 10, 2699.	2.2	10
69	Caspase-11 signaling enhances graft-versus-host disease. Nature Communications, 2019, 10, 4044.	5.8	19
70	HMGB1 mediates the development of tendinopathy due to mechanical overloading. PLoS ONE, 2019, 14, e0222369.	1.1	19
71	Nonâ€canonical Wnt signaling contributes to ventilatorâ€induced lung injury through upregulation of WISP1 expression. International Journal of Molecular Medicine, 2019, 43, 1217-1228.	1.8	4
72	Computational evidence for an early, amplified systemic inflammation program in polytrauma patients with severe extremity injuries. PLoS ONE, 2019, 14, e0217577.	1.1	26

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73	Gasdermin D protects against noninfectious liver injury by regulating apoptosis and necroptosis. Cell Death and Disease, 2019, 10, 481.	2.7	31
74	cAMP metabolism controls caspase-11 inflammasome activation and pyroptosis in sepsis. Science Advances, 2019, 5, eaav5562.	4.7	89
75	Activation of Pregnane X Receptor Sensitizes Mice to Hemorrhagic Shockâ€“Induced Liver Injury. Hepatology, 2019, 70, 995-1010.	3.6	22
76	The IL-33-ST2 Pathway Contributes to Ventilator-Induced Lung Injury in Septic Mice in a Tidal Volume-Dependent Manner. Shock, 2019, 52, e1-e11.	1.0	11
77	HMGB1 is a Central Driver of Dynamic Pro-inflammatory Networks in Pediatric Acute Liver Failure induced by Acetaminophen. Scientific Reports, 2019, 9, 5971.	1.6	18
78	Location is the key to function: HMGB1 in sepsis and trauma-induced inflammation. Journal of Leukocyte Biology, 2019, 106, 161-169.	1.5	115
79	Musashi2 contributes to the maintenance of CD44v6+ liver cancer stem cells via notch1 signaling pathway. Journal of Experimental and Clinical Cancer Research, 2019, 38, 505.	3.5	55
80	MPPED2 Polymorphism Is Associated With Altered Systemic Inflammation and Adverse Trauma Outcomes. Frontiers in Genetics, 2019, 10, 1115.	1.1	11
81	Defining geographic emergency medical services coverage in trauma systems. Journal of Trauma and Acute Care Surgery, 2019, 87, 92-99.	1.1	8
82	Early Immunologic Response in Multiply Injured Patients With Orthopaedic Injuries Is Associated With Organ Dysfunction. Journal of Orthopaedic Trauma, 2019, 33, 220-228.	0.7	21
83	Identifying patients with time-sensitive injuries: Association of mortality with increasing prehospital time. Journal of Trauma and Acute Care Surgery, 2019, 86, 1015-1022.	1.1	27
84	Bacterial Endotoxin Activates the Coagulation Cascade through Gasdermin D-Dependent Phosphatidylserine Exposure. Immunity, 2019, 51, 983-996.e6.	6.6	187
85	Young and Aged Blunt Trauma Patients Display Major Differences in Circulating Inflammatory Mediator Profiles after Severe Injury. Journal of the American College of Surgeons, 2019, 228, 148-160e7.	0.2	25
86	A conceptual time windowâ€based model for the early stratification of trauma patients. Journal of Internal Medicine, 2019, 286, 2-15.	2.7	36
87	Intestinal Microbiota Mediates the Susceptibility to Polymicrobial Sepsisâ€Induced Liver Injury by Granisetron Generation in Mice. Hepatology, 2019, 69, 1751-1767.	3.6	102
88	Toll-Like Receptor 4 Signaling Licenses the Cytosolic Transport of Lipopolysaccharide From Bacterial Outer Membrane Vesicles. Shock, 2019, 51, 256-265.	1.0	51
89	TSLP protects against liver I/R injury via activation of the PI3K/Akt pathway. JCI Insight, 2019, 4, .	2.3	27
90	TLR9 signaling in fibroblastic reticular cells regulates peritoneal immunity. Journal of Clinical Investigation, 2019, 129, 3657-3669.	3.9	12

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91	Frontline Science: Macrophage-derived exosomes promote neutrophil necroptosis following hemorrhagic shock. Journal of Leukocyte Biology, 2018, 103, 175-183.	1.5	30
92	Diagnosis and Management of Polytraumatized Patients With Severe Extremity Trauma. Journal of Orthopaedic Trauma, 2018, 32, S1-S6.	0.7	5
93	Group 2 innate lymphoid cells protect lung endothelial cells from pyroptosis in sepsis. Cell Death and Disease, 2018, 9, 369.	2.7	62
94	Characterizing injury severity in nonaccidental trauma: Does Injury Severity Score miss the mark?. Journal of Trauma and Acute Care Surgery, 2018, 85, 668-673.	1.1	8
95	Interleukinâ€33 contributes to <scp>ILC</scp>2 activation and early inflammationâ€associated lung injury during abdominal sepsis. Immunology and Cell Biology, 2018, 96, 935-947.	1.0	25
96	Overresuscitation with plasma is associated with sustained fibrinolysis shutdown and death in pediatric traumatic brain injury. Journal of Trauma and Acute Care Surgery, 2018, 85, 12-17.	1.1	36
97	Principal component analysis of coagulation assays in severely injured children. Surgery, 2018, 163, 827-831.	1.0	25
98	JTC801 Induces pH-dependent Death Specifically in Cancer Cells and Slows Growth of Tumors in Mice. Gastroenterology, 2018, 154, 1480-1493.	0.6	105
99	Speed is not everything: Identifying patients who may benefit from helicopter transport despite faster ground transport. Journal of Trauma and Acute Care Surgery, 2018, 84, 549-557.	1.1	48
100	Interferon regulatory factor 1â€“Rab27a regulated extracellular vesicles promote liver ischemia/reperfusion injury. Hepatology, 2018, 67, 1056-1070.	3.6	46
101	Comparing the Air Medical Prehospital Triage Score With Current Practice for Triage of Injured Patients to Helicopter Emergency Medical Services. JAMA Surgery, 2018, 153, 261.	2.2	18
102	Stearoyl Lysophosphatidylcholine Inhibits Endotoxin-Induced Caspase-11 Activation. Shock, 2018, 50, 339-345.	1.0	31
103	An Enrichment Strategy Yields Seven Novel Single Nucleotide Polymorphisms Associated With Mortality and Altered Th17 Responses Following Blunt Trauma. Shock, 2018, 49, 259-268.	1.0	27
104	High mobility group protein B1 controls liver cancer initiation through yesâ€associated protein â€dependent aerobic glycolysis. Hepatology, 2018, 67, 1823-1841.	3.6	88
105	Mechanical ventilation enhances extrapulmonary sepsis-induced lung injury: role of WISP1â€“Î±vÎ²5 integrin pathway in TLR4-mediated inflammation and injury. Critical Care, 2018, 22, 302.	2.5	36
106	Dynamic Bayesian Network Analysis of Inflammation Biomarkers Reveals Age-Related Changes of the Inflammatory Response after Trauma. Journal of the American College of Surgeons, 2018, 227, S261.	0.2	0
107	A computational analysis of dynamic, multi-organ inflammatory crosstalk induced by endotoxin in mice. PLoS Computational Biology, 2018, 14, e1006582.	1.5	18
108	TRIF signaling is required for caspase-11-dependent immune responses and lethality in sepsis. Molecular Medicine, 2018, 24, 66.	1.9	28

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109	The Endotoxin Delivery Protein HMGB1 Mediates Caspase-11-Dependent Lethality in Sepsis. Immunity, 2018, 49, 740-753.e7.	6.6	377
110	iNOS promotes CD24 ⁺ CD133 ⁺ liver cancer stem cell phenotype through a TACE/ADAM17-dependent Notch signaling pathway. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10127-E10136.	3.3	118
111	Platelet HMGB1 is required for efficient bacterial clearance in intra-abdominal bacterial sepsis in mice. Blood Advances, 2018, 2, 638-648.	2.5	41
112	Logistics of air medical transport: When and where does helicopter transport reduce prehospital time for trauma?. Journal of Trauma and Acute Care Surgery, 2018, 85, 174-181.	1.1	32
113	cGAS-mediated autophagy protects the liver from ischemia-reperfusion injury independently of STING. American Journal of Physiology - Renal Physiology, 2018, 314, G655-G667.	1.6	74
114	Lung epithelial cell-derived IL-25 negatively regulates LPS-induced exosome release from macrophages. Military Medical Research, 2018, 5, 24.	1.9	41
115	REDDâ€1 aggravates endotoxinâ€induced inflammation VIA atypical NFâ€ºB activation. FASEB Journal, 2018, 32, 4585-4599.	0.2	25
116	Prehospital Plasma during Air Medical Transport in Trauma Patients at Risk for Hemorrhagic Shock. New England Journal of Medicine, 2018, 379, 315-326.	13.9	573
117	Blunt cerebrovascular injury in elderly fall patients: are we screening enough?. World Journal of Emergency Surgery, 2018, 13, 30.	2.1	15
118	The Circadian Clock Controls Immune Checkpoint Pathway in Sepsis. Cell Reports, 2018, 24, 366-378.	2.9	120
119	Lipid Peroxidation Drives Gasdermin D-Mediated Pyroptosis in Lethal Polymicrobial Sepsis. Cell Host and Microbe, 2018, 24, 97-108.e4.	5.1	390
120	Activation of Pregnane X Receptor Sensitizes Mice to Hemorrhagic Shock Induced Liver Injury. FASEB Journal, 2018, 32, 563.5.	0.2	0
121	TLR4 signaling induces TLR3 up-regulation in alveolar macrophages during acute lung injury. Scientific Reports, 2017, 7, 34278.	1.6	34
122	Enhanced Calvarial Bone Healing in CD11c-TLR4â^'/â^' and MyD88â^'/â^' Mice. Plastic and Reconstructive Surgery, 2017, 139, 933e-940e.	0.7	4
123	Cold-inducible RNA-binding protein through TLR4 signaling induces mitochondrial DNA fragmentation and regulates macrophage cell death after trauma. Cell Death and Disease, 2017, 8, e2775-e2775.	2.7	39
124	NK1.1+ cells promote sustained tissue injury and inflammation after trauma with hemorrhagic shock. Journal of Leukocyte Biology, 2017, 102, 127-134.	1.5	9
125	Surgical rescue. Journal of Trauma and Acute Care Surgery, 2017, 82, 280-286.	1.1	35
126	Distance matters. Journal of Trauma and Acute Care Surgery, 2017, 83, 111-118.	1.1	41

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127	Impact of Volume Change Over Time on Trauma Mortality in the United States. Annals of Surgery, 2017, 266, 173-178.	2.1	33
128	Cathepsin L activity correlates with proteinuria in chronic kidney disease in humans. International Urology and Nephrology, 2017, 49, 1409-1417.	0.6	21
129	The value of the injury severity score in pediatric trauma. Journal of Trauma and Acute Care Surgery, 2017, 82, 995-1001.	1.1	100
130	Aged Human Stored Red Blood Cell Supernatant Inhibits Macrophage Phagocytosis in an HMGB1 Dependent Manner After Trauma in a Murine Model. Shock, 2017, 47, 217-224.	1.0	10
131	Intracellular HMGB1 as a novel tumor suppressor of pancreatic cancer. Cell Research, 2017, 27, 916-932.	5.7	103
132	Agingâ€related Atg5 defect impairs neutrophil extracellular traps formation. Immunology, 2017, 151, 417-432.	2.0	60
133	Role of the IL-33-ST2 axis in sepsis. Military Medical Research, 2017, 4, 3.	1.9	45
134	Factors Associated With Nontransfer in Trauma Patients Meeting American College of Surgeonsâ€™ Criteria for Transfer at Nontertiary Centers. JAMA Surgery, 2017, 152, 369.	2.2	23
135	Genetic and Pharmacologic Manipulation of TLR4 Has Minimal Impact on Ethanol Consumption in Rodents. Journal of Neuroscience, 2017, 37, 1139-1155.	1.7	72
136	High-mobility group box 1 protein is involved in the protective effect of Saquinavir on ventilation-induced lung injury in mice. Acta Biochimica Et Biophysica Sinica, 2017, 49, 907-915.	0.9	9
137	Aging-Impaired Filamentous Actin Polymerization Signaling Reduces Alveolar Macrophage Phagocytosis of Bacteria. Journal of Immunology, 2017, 199, 3176-3186.	0.4	40
138	ALK is a therapeutic target for lethal sepsis. Science Translational Medicine, 2017, 9, .	5.8	90
139	TLR4 Inactivation in Myeloid Cells Accelerates Bone Healing of a Calvarial Defect Model in Mice. Plastic and Reconstructive Surgery, 2017, 140, 296e-306e.	0.7	14
140	The research agenda for trauma critical care. Intensive Care Medicine, 2017, 43, 1340-1351.	3.9	32
141	External validation of the Air Medical Prehospital Triage score for identifying trauma patients likely to benefit from scene helicopter transport. Journal of Trauma and Acute Care Surgery, 2017, 82, 270-279.	1.1	28
142	The Tumor Suppressor p53 Limits Ferroptosis by Blocking DPP4 Activity. Cell Reports, 2017, 20, 1692-1704.	2.9	608
143	The role of NIGMS P50 sponsored team science in our understanding of multiple organ failure. Journal of Trauma and Acute Care Surgery, 2017, 83, 520-531.	1.1	12
144	NO and COX2: Dual targeting for aggressive cancers. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13591-13593.	3.3	34

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145	Extracellular Cyclophilin A Augments Platelet-Dependent Thrombosis and Thromboinflammation. Thrombosis and Haemostasis, 2017, 117, 2063-2078.	1.8	16
146	â€œThinkingâ€•vs. â€œTalkingâ€: Differential Autocrine Inflammatory Networks in Isolated Primary Hepatic Stellate Cells and Hepatocytes under Hypoxic Stress. Frontiers in Physiology, 2017, 8, 1104.	1.3	4
147	Nitric Oxide in Sepsis and Hemorrhagic Shock: Beneficial or Detrimental?. , 2017, , 289-300.		4
148	RNA Editing, ADAR1, and the Innate Immune Response. Genes, 2017, 8, 41.	1.0	36
149	Toll-Like Receptor 4 on both Myeloid Cells and Dendritic Cells Is Required for Systemic Inflammation and Organ Damage after Hemorrhagic Shock with Tissue Trauma in Mice. Frontiers in Immunology, 2017, 8, 1672.	2.2	15
150	Time for trauma immunology. PLoS Medicine, 2017, 14, e1002342.	3.9	14
151	Inflammasome and Autophagy Regulation: A Two-way Street. Molecular Medicine, 2017, 23, 188-195.	1.9	155
152	Cathepsin L Promotes Vascular Intimal Hyperplasia after Arterial Injury. Molecular Medicine, 2017, 23, 92-100.	1.9	29
153	IL33-mediated ILC2 activation and neutrophil IL5 production in the lung response after severe trauma: A reverse translation study from a human cohort to a mouse trauma model. PLoS Medicine, 2017, 14, e1002365.	3.9	88
154	Cyclic stretch induced IL-33 production through HMGB1/TLR-4 signaling pathway in murine respiratory epithelial cells. PLoS ONE, 2017, 12, e0184770.	1.1	12
155	Mechanical Ventilation Augments Poly(I:C)-Induced Lung Injury via a WISP1-Integrin Î²3-Dependent Pathway in Mice. Molecular Medicine, 2016, 22, 54-63.	1.9	18
156	Elevated Admission Base Deficit Is Associated with a Complex Dynamic Network of Systemic Inflammation Which Drives Clinical Trajectories in Blunt Trauma Patients. Mediators of Inflammation, 2016, 2016, 1-13.	1.4	27
157	Plumbagin Protects Mice from Lethal Sepsis by Modulating Immunometabolism Upstream of PKM2. Molecular Medicine, 2016, 22, 162-172.	1.9	34
158	Development and Validation of the Air Medical Prehospital Triage Score for Helicopter Transport of Trauma Patients. Annals of Surgery, 2016, 264, 378-385.	2.1	40
159	Geographic Variation in Outcome Benefits of Helicopter Transport for Trauma in the United States. Annals of Surgery, 2016, 263, 406-412.	2.1	21
160	Acute traumatic coagulopathy in a critically injured pediatric population. Journal of Trauma and Acute Care Surgery, 2016, 81, 34-41.	1.1	56
161	Temporal Patterns of Circulating Inflammation Biomarker Networks Differentiate Susceptibility to Nosocomial Infection Following Blunt Trauma in Humans. Annals of Surgery, 2016, 263, 191-198.	2.1	122
162	Helicopters and injured kids. Journal of Trauma and Acute Care Surgery, 2016, 80, 702-710.	1.1	41

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163	WISP1-Î±vÎ²3 integrin signaling positively regulates TLR-triggered inflammation response in sepsis induced lung injury. Scientific Reports, 2016, 6, 28841.	1.6	37
164	N-tert-butylmethanimine N-oxide is an efficient spin-trapping probe for EPR analysis of glutathione thiyl radical. Scientific Reports, 2016, 6, 38773.	1.6	22
165	Computational Analysis Supports an Early, Type 17 Cell-Associated Divergence of Blunt Trauma Survival and Mortality*. Critical Care Medicine, 2016, 44, e1074-e1081.	0.4	76
166	Helicopter transport improves survival following injury in the absence of a time-saving advantage. Surgery, 2016, 159, 947-959.	1.0	74
167	CCL2â€“CCR2 signaling promotes hepatic ischemia/reperfusion injury. Journal of Surgical Research, 2016, 202, 352-362.	0.8	29
168	Tlr2 on Bone Marrow and Non-Bone Marrow Derived Cells Regulates Inflammation and Organ Injury in Cooperation with Tlr4 During Resuscitated Hemorrhagic Shock. Shock, 2016, 46, 519-526.	1.0	5
169	Biology and Metabolism of Sepsis: Innate Immunity, Bioenergetics, and Autophagy. Surgical Infections, 2016, 17, 286-293.	0.7	45
170	Individual-specific principal component analysis of circulating inflammatory mediators predicts early organ dysfunction in trauma patients. Journal of Critical Care, 2016, 36, 146-153.	1.0	55
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