

The systemic immune response to trauma: an overview

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Scientific hypotheses can be tested by comparing the effects of one treatment over many diseases in a systematic review. <i>Journal of Clinical Epidemiology</i> , 2014, 67, 1309-1319.	2.4	25
2	Pathogenesis of infection in surgical patients. <i>Current Opinion in Critical Care</i> , 2015, 21, 343-350.	1.6	19
3	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
4	Quest for stress-free surgery revisited. <i>Acta Anaesthesiologica Scandinavica</i> , 2015, 59, 1204-1205.	0.7	0
5	Metallothionein ameliorates burn sepsis partly via activation of Akt signaling pathway in mice: a randomized animal study. <i>World Journal of Emergency Surgery</i> , 2015, 10, 53.	2.1	11
6	ENDOPLASMIC RETICULUM STRESS IN SEPSIS. <i>Shock</i> , 2015, 44, 294-304.	1.0	107
7	The perioperative immune response. <i>Current Opinion in Critical Care</i> , 2015, 21, 336-342.	1.6	47
8	Intestine Immune Homeostasis After Alcohol and Burn Injury. <i>Shock</i> , 2015, 43, 540-548.	1.0	14
9	An Overview of Proteomics on Sepsis. , 2015, 5, .		3
10	Curbing Inflammation in hemorrhagic trauma: a review. <i>Revista Do Colegio Brasileiro De Cirurgioes</i> , 2015, 42, 273-278.	0.3	7
11	The Role of CHI3L1 (Chitinase-3-Like-1) in the Pathogenesis of Infections in Burns in a Mouse Model. <i>PLoS ONE</i> , 2015, 10, e0140440.	1.1	12
12	AMP-Activated Protein Kinase and Glycogen Synthase Kinase 3 β Modulate the Severity of Sepsis-induced Lung injury. <i>Molecular Medicine</i> , 2015, 21, 937-950.	1.9	50
13	Trauma in silico: Individual-specific mathematical models and virtual clinical populations. <i>Science Translational Medicine</i> , 2015, 7, 285ra61.	5.8	66
14	Challenges in postdischarge function and recovery: the case of fast-track hip and knee arthroplasty. <i>British Journal of Anaesthesia</i> , 2015, 115, 861-866.	1.5	91
15	Defining the Systemic Inflammatory Response Syndrome in Equine Neonates. <i>Veterinary Clinics of North America Equine Practice</i> , 2015, 31, 463-481.	0.3	30
16	Specific Metabolome Profile of Exhaled Breath Condensate in Patients with Shock and Respiratory Failure: A Pilot Study. <i>Metabolites</i> , 2016, 6, 26.	1.3	13
17	Inflammasome and toll-like receptor signaling in human monocytes after successful cardiopulmonary resuscitation. <i>Critical Care</i> , 2016, 20, 170.	2.5	34
18	The Clinical Challenge of Sepsis Identification and Monitoring. <i>PLoS Medicine</i> , 2016, 13, e1002022.	3.9	179

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19	Perioperative Inflammation and Microcirculation in Surgery: Clinical Strategies for Improved Surgical Outcomes. , 2016, , .		2
20	OBESITY AND CRITICAL ILLNESS. Shock, 2016, 45, 349-358.	1.0	31
21	Does major surgery induce immune suppression and increase the risk of postoperative infection?. Current Opinion in Anaesthesiology, 2016, 29, 376-383.	0.9	45
22	Immunotherapeutic implications of IL-6 blockade for cytokine storm. Immunotherapy, 2016, 8, 959-970.	1.0	521
23	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.	2.1	13
24	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
25	Early changes within the lymphocyte population are associated with the development of multiple organ dysfunction syndrome in trauma patients. Critical Care, 2016, 20, 176.	2.5	51
26	Clinical significance of ventilator-associated event. Journal of Critical Care, 2016, 35, 19-23.	1.0	12
27	The role of neutrophils in immune dysfunction during severe inflammation. Critical Care, 2016, 20, 73.	2.5	199
28	The diagnostic and prognostic value of systems biology research in major traumatic and thermal injury: a review. Burns and Trauma, 2016, 4, 33.	2.3	31
29	Perioperative inflammatory response in major fracture: do geriatric patients behave differently?. European Journal of Trauma and Emergency Surgery, 2016, 42, 547-551.	0.8	8
30	With mouse age comes wisdom: A review and suggestions of relevant mouse models for age-related conditions. Mechanisms of Ageing and Development, 2016, 160, 54-68.	2.2	14
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32	ESICM LIVES 2016: part three. Intensive Care Medicine Experimental, 2016, 4, .	0.9	8
33	Palmitoyl acyltransferase DHHC21 mediates endothelial dysfunction in systemic inflammatory response syndrome. Nature Communications, 2016, 7, 12823.	5.8	55
34	Sera from severe trauma patients with pneumonia and without infectious complications have differential effects on neutrophil biology. BMC Pulmonary Medicine, 2016, 16, 171.	0.8	8
35	Correlation between laboratory coagulation testing and thromboelastometry is modified during management of trauma patients. Journal of Trauma and Acute Care Surgery, 2016, 81, 319-327.	1.1	24
36	Comparative Analysis of the Host Response to Community-acquired and Hospital-acquired Pneumonia in Critically Ill Patients. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 1366-1374.	2.5	48

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37	Association between increased blood interleukin-6 levels on emergency department arrival and prolonged length of intensive care unit stay for blunt trauma. <i>World Journal of Emergency Surgery</i> , 2016, 11, 6.	2.1	5
38	Role of Metallothionein in Post-Burn Inflammation. <i>Inflammation</i> , 2016, 39, 768-774.	1.7	9
39	Persistent lymphopenia is an independent predictor of mortality in critically ill emergency general surgical patients. <i>European Journal of Trauma and Emergency Surgery</i> , 2016, 42, 755-760.	0.8	31
40	sTREM-1, sIL-2R β , and IL-6, but not sCD163, might predict sepsis in polytrauma patients: a prospective cohort study. <i>European Journal of Trauma and Emergency Surgery</i> , 2017, 43, 363-370.	0.8	9
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42	A flowcytometric analysis to efficiently quantify multiple innate immune cells and <sc>T</sc> Cell subsets in human blood. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2017, 91, 336-350.	1.1	22
43	Contemporary Patterns of Multiple Organ Dysfunction in Trauma. <i>Shock</i> , 2017, 47, 429-435.	1.0	62
44	Effects of early enteral nutrition supplemented with collagen peptides on post-burn inflammatory responses in a mouse model. <i>Food and Function</i> , 2017, 8, 1933-1941.	2.1	18
45	The coherence of macrocirculation, microcirculation, and tissue metabolic response during nontraumatic hemorrhagic shock in swine. <i>Physiological Reports</i> , 2017, 5, e13216.	0.7	10
46	Cold-inducible RNA-binding protein through TLR4 signaling induces mitochondrial DNA fragmentation and regulates macrophage cell death after trauma. <i>Cell Death and Disease</i> , 2017, 8, e2775-e2775.	2.7	39
47	Inflammatory response after nailing. <i>Injury</i> , 2017, 48, S10-S14.	0.7	7
48	Sepsis Patients Display a Reduced Capacity to Activate Nuclear Factor- κ B in Multiple Cell Types*. <i>Critical Care Medicine</i> , 2017, 45, e524-e531.	0.4	30
49	Perioperative fluid therapy recommendations for major abdominal surgery. Via RICA recommendations revisited. Part I: Physiological background. <i>Revista Española De Anestesiología Y Reanimación (English)</i> Tj ETQq0010 rgBT40verlock 1		
50	Impact of tranexamic acid on coagulation and inflammation in murine models of traumatic brain injury and hemorrhage. <i>Journal of Surgical Research</i> , 2017, 215, 47-54.	0.8	30
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53	The grapes and wrath: using resveratrol to treat the pathophysiology of hemorrhagic shock. <i>Annals of the New York Academy of Sciences</i> , 2017, 1403, 70-81.	1.8	9
54	Recomendaciones de fluidoterapia perioperatoria para la cirugía abdominal mayor. Revisión de las recomendaciones de la VÍA RICA. Parte I: Fundamentos fisiológicos. <i>Revista Española De Anestesiología Y Reanimación</i> , 2017, 64, 328-338.	0.1	14

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56	Intraoperative dexamethasone alters immune cell populations in patients undergoing elective laparoscopic gynaecological surgery. <i>British Journal of Anaesthesia</i> , 2017, 119, 221-230.	1.5	16
57	Phenotyping the Immune Response to Trauma: A Multiparametric Systems Immunology Approach*. <i>Critical Care Medicine</i> , 2017, 45, 1523-1530.	0.4	64
58	Low HDL levels in sepsis versus trauma patients in intensive care unit. <i>Annals of Intensive Care</i> , 2017, 7, 60.	2.2	54
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60	The Scaffold Immune Microenvironment: Biomaterial-Mediated Immune Polarization in Traumatic and Nontraumatic Applications. <i>Tissue Engineering - Part A</i> , 2017, 23, 1044-1053.	1.6	69
61	Plasmin: A Modulator of Immune Function. <i>Seminars in Thrombosis and Hemostasis</i> , 2017, 43, 143-153.	1.5	68
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63	Cancer Biology: Severe Cumulative Delayed Type Hypersensitivity Reactions. , 2017, , 261-375.		1
64	Biological markers of injury-induced immunosuppression. <i>Minerva Anestesiologica</i> , 2017, 83, 302 - 314.	0.6	8
65	Surgical stress response and the potential role of preoperative glucocorticoids on post-anesthesia care unit recovery. <i>Minerva Anestesiologica</i> , 2017, 83, 1324-1331.	0.6	37
66	Canonical and Novel Non-Canonical Cholinergic Agonists Inhibit ATP-Induced Release of Monocytic Interleukin-1 β via Different Combinations of Nicotinic Acetylcholine Receptor Subunits $\alpha 7$, $\alpha 9$ and $\alpha 10$. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 189.	1.8	58
67	Chemokines (CCL3, CCL4, and CCL5) Inhibit ATP-Induced Release of IL-1 β by Monocytic Cells. <i>Mediators of Inflammation</i> , 2017, 2017, 1-10.	1.4	27
68	Opioids and immunosuppression in oncological postoperative patients. <i>Revista Da Associação Médica Brasileira</i> , 2017, 63, 753-763.	0.3	2
69	Signatures of inflammation and impending multiple organ dysfunction in the hyperacute phase of trauma: A prospective cohort study. <i>PLoS Medicine</i> , 2017, 14, e1002352.	3.9	82
70	The influence of sex steroid hormones on the response to trauma and burn injury. <i>Burns and Trauma</i> , 2017, 5, 29.	2.3	22
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72	Acute Kidney Injury in Trauma Patients Admitted to Critical Care: Development and Validation of a Diagnostic Prediction Model. <i>Scientific Reports</i> , 2018, 8, 3665.	1.6	34
73	Pharmacological inhibition of IL-6 trans-signaling improves compromised fracture healing after severe trauma. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2018, 391, 523-536.	1.4	41

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75	Longitudinal Evaluation of Plasma Concentrations of Presepsin in Patients after Severe Trauma: A Prospective Observational Study. <i>Surgical Infections</i> , 2018, 19, 480-487.	0.7	10
76	Neutrophil phenotypes in health and disease. <i>European Journal of Clinical Investigation</i> , 2018, 48, e12943.	1.7	84
77	Macrophages play an essential role in trauma-induced sterile inflammation and tissue repair. <i>European Journal of Trauma and Emergency Surgery</i> , 2018, 44, 335-349.	0.8	52
78	Heparin-binding protein as a biomarker of post-injury sepsis in trauma patients. <i>Acta Anaesthesiologica Scandinavica</i> , 2018, 62, 962-973.	0.7	8
79	Neurocognitive Function after Cardiac Surgery. <i>Anesthesiology</i> , 2018, 129, 829-851.	1.3	157
80	Extracellular HMGB1 as a therapeutic target in inflammatory diseases. <i>Expert Opinion on Therapeutic Targets</i> , 2018, 22, 263-277.	1.5	225
81	Danger Signals in the ICU. <i>Critical Care Medicine</i> , 2018, 46, 791-798.	0.4	17
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83	SIRT1 regulates inflammation response of macrophages in sepsis mediated by long noncoding RNA. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 784-792.	1.8	45
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85	Regulation of alveolar macrophage death in acute lung inflammation. <i>Respiratory Research</i> , 2018, 19, 50.	1.4	174
86	The Effect of Myopenia on the Inflammatory Response Early after Colorectal Surgery. <i>Nutrition and Cancer</i> , 2018, 70, 460-466.	0.9	4
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88	A Mouse Model of Orthopedic Surgery to Study Postoperative Cognitive Dysfunction and Tissue Regeneration. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	31
89	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
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91	Pathophysiological Response to Burn Injury in Adults. <i>Annals of Surgery</i> , 2018, 267, 576-584.	2.1	114

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93	Systemic Inflammatory Response and Multiple Organ Dysfunctions Following Crush Injury: a New Experimental Model in Rabbits. <i>Inflammation</i> , 2018, 41, 240-248.	1.7	8
94	Anti-inflammatory and organ protective effect of insulin in scalded MODS rats without controlling hyperglycemia. <i>American Journal of Emergency Medicine</i> , 2018, 36, 202-207.	0.7	13
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97	The delta neutrophil index predicts development of multiple organ dysfunction syndrome and 30-day mortality in trauma patients admitted to an intensive care unit: a retrospective analysis. <i>Scientific Reports</i> , 2018, 8, 17515.	1.6	15
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100	LBP rs2232618 polymorphism contributes to risk of sepsis after trauma. <i>World Journal of Emergency Surgery</i> , 2018, 13, 52.	2.1	5
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106	The effect of haemorrhagic shock and resuscitation on fracture healing in a rabbit model. <i>Bone and Joint Journal</i> , 2018, 100-B, 1234-1240.	1.9	6
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111	Comparative Analysis of the Regulatory T Cells Dynamics in Peripheral Blood in Human and Porcine Polytrauma. <i>Frontiers in Immunology</i> , 2018, 9, 435.	2.2	15
112	Scavenging Circulating Mitochondrial DNA as a Potential Therapeutic Option for Multiple Organ Dysfunction in Trauma Hemorrhage. <i>Frontiers in Immunology</i> , 2018, 9, 891.	2.2	78
114	Inflammation and disease: Modelling and modulation of the inflammatory response to alleviate critical illness. <i>Current Opinion in Systems Biology</i> , 2018, 12, 22-29.	1.3	18
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117	A Rise in Neutrophil Cell Size Precedes Organ Dysfunction After Trauma. <i>Shock</i> , 2019, 51, 439-446.	1.0	18
118	Association between perioperative hyperoxia and cerebrovascular complications after laparotomy—A post hoc follow-up study. <i>Acta Anaesthesiologica Scandinavica</i> , 2019, 63, 164-170.	0.7	9
119	Tranexamic acid modulates the cellular immune profile after traumatic brain injury in mice without hyperfibrinolysis. <i>Journal of Thrombosis and Haemostasis</i> , 2019, 17, 2174-2187.	1.9	16
120	Dehydroepiandrosterone: a potential therapeutic agent in the treatment and rehabilitation of the traumatically injured patient. <i>Burns and Trauma</i> , 2019, 7, 26.	2.3	18
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122	Association of Initial Low Serum Selenium Level with Infectious Complications and 30-Day Mortality in Multiple Trauma Patients. <i>Nutrients</i> , 2019, 11, 1844.	1.7	6
123	Dexmedetomidine protects aged rats from postoperative cognitive dysfunction by alleviating hippocampal inflammation. <i>Molecular Medicine Reports</i> , 2019, 20, 2119-2126.	1.1	19
124	Cervical anaerobic vertebral osteomyelitis following surgical tracheotomy: a case report. <i>BMC Infectious Diseases</i> , 2019, 19, 648.	1.3	1
125	Can hospitalization be hazardous to your health? A nosocomial based stress model for hospitalization. <i>General Hospital Psychiatry</i> , 2019, 60, 83-89.	1.2	30
127	Possible cytokine biomarkers in pediatric acute appendicitis. <i>Italian Journal of Pediatrics</i> , 2019, 45, 125.	1.0	13
128	Flow Cytometric Analysis of Hematopoietic Populations in Rat Bone Marrow. Impact of Trauma and Hemorrhagic Shock. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2019, 95, 1167-1177.	1.1	15
129	Surgical stress and cancer progression: the twisted tango. <i>Molecular Cancer</i> , 2019, 18, 132.	7.9	117
130	Trauma-Induced Coagulopathy. <i>Hamostaseologie</i> , 2019, 39, 020-027.	0.9	16

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131	The Human Chorionic Gonadotropin Derivate EA-230 Modulates the Immune Response and Exerts Renal Protective Properties: Therapeutic Potential in Humans. <i>Seminars in Nephrology</i> , 2019, 39, 496-504.	0.6	8
132	Does Neutrophil Phenotype Predict the Survival of Trauma Patients?. <i>Frontiers in Immunology</i> , 2019, 10, 2122.	2.2	33
133	Short- and long-term mortality in major non-cardiac surgical patients admitted to the intensive care unit. <i>Acta Anaesthesiologica Scandinavica</i> , 2019, 63, 639-646.	0.7	5
134	Computational evidence for an early, amplified systemic inflammation program in polytrauma patients with severe extremity injuries. <i>PLoS ONE</i> , 2019, 14, e0217577.	1.1	26
135	Neutrophil heterogeneity and its role in infectious complications after severe trauma. <i>World Journal of Emergency Surgery</i> , 2019, 14, 24.	2.1	45
136	The Neutrophil Life Cycle. <i>Trends in Immunology</i> , 2019, 40, 584-597.	2.9	265
137	<i>Pseudomonas aeruginosa</i> Alters Its Transcriptome Related to Carbon Metabolism and Virulence as a Possible Survival Strategy in Blood from Trauma Patients. <i>MSystems</i> , 2019, 4, .	1.7	11
138	Among Trauma Patients, Younger Men with Ventilator-Associated Pneumonia Have Worse Outcomes Compared to Older Men—An Exploratory Study. <i>Healthcare (Switzerland)</i> , 2019, 7, 67.	1.0	2
139	Activation and Impaired Tumor Necrosis Factor- β Production of Circulating Mucosal-Associated Invariant T Cells in Patients with Trauma. <i>Journal of Innate Immunity</i> , 2019, 11, 506-515.	1.8	4
140	Intracellular Penetration and Effects of Antibiotics on <i>Staphylococcus aureus</i> Inside Human Neutrophils: A Comprehensive Review. <i>Antibiotics</i> , 2019, 8, 54.	1.5	54
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142	IL-10-specific autoantibodies predict major adverse cardiovascular events in kidney transplanted patients—a retrospective cohort study. <i>Transplant International</i> , 2019, 32, 933-948.	0.8	7
143	An Increasing Neutrophil-to-Lymphocyte Ratio Trajectory Predicts Organ Failure in Critically-Ill Male Trauma Patients. An Exploratory Study. <i>Healthcare (Switzerland)</i> , 2019, 7, 42.	1.0	15
144	Hemorrhage Attenuates Neutrophil Recruitment in Response to Secondary Respiratory Infection by <i>Pseudomonas Aeruginosa</i> . <i>Shock</i> , 2019, 52, 506-512.	1.0	4
145	Association between sublingual microcirculation, tissue perfusion and organ failure in major trauma: A subgroup analysis of a prospective observational study. <i>PLoS ONE</i> , 2019, 14, e0213085.	1.1	22
147	Comparison of different lots of endotoxin and evaluation of <i>in vivo</i> potency over time in the experimental human endotoxemia model. <i>Innate Immunity</i> , 2019, 25, 34-45.	1.1	8
148	A randomized double-blind, placebo-controlled clinical phase IIa trial on safety, immunomodulatory effects and pharmacokinetics of EA-230 during experimental human endotoxaemia. <i>British Journal of Clinical Pharmacology</i> , 2019, 85, 1559-1571.	1.1	11
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151	Multimodal Analgesia and Opioid Use in Critically Ill Trauma Patients. <i>Journal of the American College of Surgeons</i> , 2019, 228, 769-775e1.	0.2	38
152	Pathophysiology of Acute Illness and Injury. , 2019, , 11-42.		2
153	Humoral Factors From Musculoskeletal Polytrauma Patients Impair Antibacterial Responses Of Neutrophils In vitro. <i>Journal of Bone and Joint Infection</i> , 2019, 4, 280-284.	0.6	2
154	A Program Profile of Air Medical Transport in Regional Central Queensland, Australia. <i>Air Medical Journal</i> , 2019, 38, 431-436.	0.3	4
155	Machine learning for the detection of early immunological markers as predictors of multi-organ dysfunction. <i>Scientific Data</i> , 2019, 6, 328.	2.4	16
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157	Precision Medicine Applications to Manage Multiply Injured Patients With Orthopaedic Trauma. <i>Journal of Orthopaedic Trauma</i> , 2019, 33, S25-S29.	0.7	13
158	Effect of Long-Term Polytrauma on Ventilator-Induced Diaphragmatic Dysfunction in a Piglet Model. <i>Shock</i> , 2019, 52, 443-448.	1.0	2
159	Anesthesia-induced immune modulation. <i>Current Opinion in Anaesthesiology</i> , 2019, 32, 799-805.	0.9	14
160	Altered monocyte and NK cell phenotypes correlate with posttrauma infection. <i>Journal of Trauma and Acute Care Surgery</i> , 2019, 87, 337-341.	1.1	12
161	Neuroinflammation and Perioperative Neurocognitive Disorders. <i>Anesthesia and Analgesia</i> , 2019, 128, 781-788.	1.1	238
162	Biphasic Release of the Alarmin High Mobility Group Box 1 Protein Early After Trauma Predicts Poor Clinical Outcome. <i>Critical Care Medicine</i> , 2019, 47, e614-e622.	0.4	11
163	Combining Radiotherapy and Immunotherapy in Lung Cancer: Can We Expect Limitations Due to Altered Normal Tissue Toxicity?. <i>International Journal of Molecular Sciences</i> , 2019, 20, 24.	1.8	100
164	Nutrition risk among an ethnically diverse sample of community-dwelling older adults. <i>Public Health Nutrition</i> , 2019, 22, 894-902.	1.1	16
165	The incidence and associations of acute kidney injury in trauma patients admitted to critical care: A systematic review and meta-analysis. <i>Journal of Trauma and Acute Care Surgery</i> , 2019, 86, 141-147.	1.1	37
166	Transfusion strategies for major haemorrhage in trauma. <i>British Journal of Haematology</i> , 2019, 184, 508-523.	1.2	30
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227	Coordination and Organization of Medical Relief to Affected Areas. , 2020 , 68-79.		0
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239	Ophthalmology in a Field Hospital. , 2020 , 217-224.		0
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