

Matthew D Neal

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1883811/publications.pdf>

Version: 2024-02-01

164
papers

8,895
citations

53794

45
h-index

48315

88
g-index

171
all docs

171
docs citations

171
times ranked

8605
citing authors

#	ARTICLE	IF	CITATIONS
1	Low Titer Group O Whole Blood In Injured Children Requiring Massive Transfusion. <i>Annals of Surgery</i> , 2023, 277, e919-e924.	4.2	20
2	Bioinspired artificial platelets: past, present and future. <i>Platelets</i> , 2022, 33, 35-47.	2.3	16
3	The role of viscoelastic testing in assessing peri-interventional platelet function and coagulation. <i>Platelets</i> , 2022, 33, 520-530.	2.3	6
4	The Epidemiology of Extremity Threat and Amputation after Vasopressor-Dependent Sepsis. <i>Annals of the American Thoracic Society</i> , 2022, 19, 625-632.	3.2	6
5	Reduced cleavage of von willebrand factor by ADAMTS13 is associated with microangiopathic acute kidney injury following trauma. <i>Blood Coagulation and Fibrinolysis</i> , 2022, 33, 14-24.	1.0	11
6	Rapid detection of platelet inhibition and dysfunction in traumatic brain injury: A prospective observational study. <i>Journal of Trauma and Acute Care Surgery</i> , 2022, 92, 167-176.	2.1	5
7	Prehospital low titer group O whole blood is feasible and safe: Results of a prospective randomized pilot trial. <i>Journal of Trauma and Acute Care Surgery</i> , 2022, 92, 839-847.	2.1	30
8	Effect of P2Y12 Inhibitors on Survival Free of Organ Support Among Non-“Critically Ill Hospitalized Patients With COVID-19. <i>JAMA - Journal of the American Medical Association</i> , 2022, 327, 227.	7.4	89
9	Platelet-mimicking procoagulant nanoparticles augment hemostasis in animal models of bleeding. <i>Science Translational Medicine</i> , 2022, 14, eabb8975.	12.4	35
10	Hemorrhagic Resuscitation Guided by Viscoelastography in Far-Forward Combat and Austere Civilian Environments: Goal-Directed Whole-Blood and Blood-Component Therapy Far from the Trauma Center. <i>Journal of Clinical Medicine</i> , 2022, 11, 356.	2.4	5
11	Viscoelastic Hemostatic Assays: A Primer on Legacy and New Generation Devices. <i>Journal of Clinical Medicine</i> , 2022, 11, 860.	2.4	41
12	Investigation into the Cost-Effectiveness of Extended Posttraumatic Thromboprophylaxis. <i>Journal of the American College of Surgeons</i> , 2022, 234, 86-94.	0.5	0
13	Neutrophil extracellular traps regulate ischemic stroke brain injury. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	102
14	Prehospital synergy: Tranexamic acid and blood transfusion in patients at risk for hemorrhage. <i>Journal of Trauma and Acute Care Surgery</i> , 2022, 93, 52-58.	2.1	5
15	Effect of Antiplatelet Therapy on Survival and Organ Support-“Free Days in Critically Ill Patients With COVID-19. <i>JAMA - Journal of the American Medical Association</i> , 2022, 327, 1247.	7.4	83
16	Immuno-Thrombotic Complications of COVID-19: Implications for Timing of Surgery and Anticoagulation. <i>Frontiers in Surgery</i> , 2022, 9, .	1.4	23
17	Proteomics of Coagulopathy Following Injury Reveals Limitations of Using Laboratory Assessment to Define Trauma-Induced Coagulopathy to Predict Massive Transfusion. <i>Annals of Surgery Open</i> , 2022, 3, e167.	1.4	2
18	An adaptive platform trial for evaluating treatments in patients with life-threatening hemorrhage from traumatic injuries: Planning and execution. <i>Transfusion</i> , 2022, 62, .	1.6	2

#	ARTICLE	IF	CITATIONS
19	Platelet dysfunction after trauma: From mechanisms to targeted treatment. <i>Transfusion</i> , 2022, 62, .	1.6	8
20	Emerging clinical trial designs may accelerate translation in hematology: lessons from COVID-19. <i>Blood Advances</i> , 2022, 6, 4710-4714.	5.2	5
21	Nanomedicine platform for targeting activated neutrophils and neutrophil-platelet complexes using an α 1-antitrypsin-derived peptide motif. <i>Nature Nanotechnology</i> , 2022, 17, 1004-1014.	31.5	26
22	Toward a more complete understanding of who will benefit from prehospital transfusion. <i>Transfusion</i> , 2022, 62, 1671-1679.	1.6	7
23	Association Between Time to Source Control in Sepsis and 90-Day Mortality. <i>JAMA Surgery</i> , 2022, 157, 817.	4.3	20
24	Illustrated State-of-the-Art Capsules of the ISTH 2022 Congress. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2022, 6, e12747.	2.3	4
25	The New Zealand white rabbit animal model of acute radiation syndrome: hematopoietic and coagulation-based parameters by radiation dose following supportive care. <i>International Journal of Radiation Biology</i> , 2021, 97, S45-S62.	1.8	2
26	Whole-Blood Resuscitation of Injured Patients™ Plasma. <i>JAMA Surgery</i> , 2021, 156, 101-102.	4.3	1
27	High-School Students Can Stop the Bleed: A Randomized, Controlled Educational Trial. <i>Academic Pediatrics</i> , 2021, 21, 321-328.	2.0	21
28	Alterations in platelet behavior after major trauma: adaptive or maladaptive?. <i>Platelets</i> , 2021, 32, 295-304.	2.3	41
29	Age of thawed plasma does not affect clinical outcomes or biomarker expression in patients receiving prehospital thawed plasma: a PAMPer secondary analysis. <i>Trauma Surgery and Acute Care Open</i> , 2021, 6, e000648.	1.6	4
30	Injured recipients of low-titer group O whole blood have similar clinical outcomes compared to recipients of conventional component therapy: A single-center, retrospective study. <i>Transfusion</i> , 2021, 61, 1710-1720.	1.6	21
31	Trauma-induced coagulopathy. <i>Nature Reviews Disease Primers</i> , 2021, 7, 30.	30.5	300
32	Does routine postoperative contrast radiography improve outcomes for patients with perforated peptic ulcer? A multicenter retrospective cohort study. <i>Surgery</i> , 2021, 170, 1554-1560.	1.9	1
33	Fibrinolysis Shutdown in COVID-19-Associated Coagulopathy: A Crosstalk among Immunity, Coagulation, and Specialists in Medicine and Surgery. <i>Journal of the American College of Surgeons</i> , 2021, 232, 1003-1006.	0.5	11
34	Early Prehospital Tranexamic Acid Following Injury Is Associated With a 30-day Survival Benefit. <i>Annals of Surgery</i> , 2021, 274, 419-426.	4.2	25
35	<sc>Anti- α -alloimmunization in Rh(D) negative adults with severe traumatic injury. <i>Transfusion</i> , 2021, 61, S144-S149.	1.6	8
36	Preventing Thrombohemorrhagic Complications of Heparinized COVID-19 Patients Using Adjunctive Thromboelastography: A Retrospective Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 3097.	2.4	16

#	ARTICLE	IF	CITATIONS
37	Therapeutic Anticoagulation with Heparin in Noncritically Ill Patients with Covid-19. <i>New England Journal of Medicine</i> , 2021, 385, 790-802.	27.0	778
38	Therapeutic Anticoagulation with Heparin in Critically Ill Patients with Covid-19. <i>New England Journal of Medicine</i> , 2021, 385, 777-789.	27.0	712
39	Evaluating the Cost-effectiveness of Prehospital Plasma Transfusion in Unstable Trauma Patients. <i>JAMA Surgery</i> , 2021, 156, 1131.	4.3	5
40	Platelet HMGB1 in Platelet-Rich Plasma (PRP) promotes tendon wound healing. <i>PLoS ONE</i> , 2021, 16, e0251166.	2.5	11
41	Platelets amplify endotheliopathy in COVID-19. <i>Science Advances</i> , 2021, 7, eabh2434.	10.3	78
42	The emerging therapeutic potential of extracellular vesicles in trauma. <i>Journal of Leukocyte Biology</i> , 2021, 111, 93-111.	3.3	5
43	Utilizing natural language processing in the diagnosis and treatment of venous thromboembolism. <i>Surgery</i> , 2021, 170, 1183.	1.9	0
44	Platelet-Monocyte Aggregates: Understanding Mechanisms and Functions in Sepsis. <i>Shock</i> , 2021, 55, 156-166.	2.1	17
45	Evidence-Based and Clinically Relevant Outcomes for Hemorrhage Control Trauma Trials. <i>Annals of Surgery</i> , 2021, 273, 395-401.	4.2	61
46	An Investigation into the Cost-Effectiveness of Extended Post-Traumatic Thromboprophylaxis. <i>Journal of the American College of Surgeons</i> , 2021, 233, S275.	0.5	0
47	Minimal Change in Abdominal Aortic Aneurysm Sac Regression for Diabetics after Endovascular Repair, Unchanged by Metformin Exposure. <i>Journal of the American College of Surgeons</i> , 2021, 233, S316.	0.5	0
48	Platelet-Mediated NET Formation Exacerbates Ischemic Stroke Brain Injury. <i>Blood</i> , 2021, 138, 437-437.	1.4	1
49	The Pathobiological Basis for Thrombotic Complications in COVID-19: a Review of the Literature. <i>Current Pathobiology Reports</i> , 2021, 9, 107-117.	3.4	6
50	Multi-omic analysis in injured humans: Patterns align with outcomes and treatment responses. <i>Cell Reports Medicine</i> , 2021, 2, 100478.	6.5	35
51	Platelet Extracellular Vesicles Drive Inflammation-IL-1 β -Dependent Lung Injury in Sickle Cell Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 33-46.	5.6	66
52	Correlation of Thromboelastography with Apparent Rivaroxaban Concentration. <i>Anesthesiology</i> , 2020, 132, 280-290.	2.5	13
53	A comparison between the TEG 6s and TEG 5000 analyzers to assess coagulation in trauma patients. <i>Journal of Trauma and Acute Care Surgery</i> , 2020, 88, 279-285.	2.1	56
54	Prehospital plasma in injured patients is associated with survival principally in blunt injury: Results from two randomized prehospital plasma trials. <i>Journal of Trauma and Acute Care Surgery</i> , 2020, 88, 33-41.	2.1	40

#	ARTICLE	IF	CITATIONS
55	Severity of hemorrhage and the survival benefit associated with plasma: Results from a randomized prehospital plasma trial. <i>Journal of Trauma and Acute Care Surgery</i> , 2020, 88, 141-147.	2.1	15
56	Tranexamic Acid During Prehospital Transport in Patients at Risk for Hemorrhage After Injury. <i>JAMA Surgery</i> , 2020, , .	4.3	53
57	Accelerating availability of clinically-relevant parameter estimates from thromboelastogram point-of-care device. <i>Journal of Trauma and Acute Care Surgery</i> , 2020, 88, 654-660.	2.1	8
58	Characterization of unexpected survivors following a prehospital plasma randomized trial. <i>Journal of Trauma and Acute Care Surgery</i> , 2020, 89, 908-914.	2.1	9
59	Patient and surrogate attitudes via an interviewer-administered survey on exception from informed consent enrollment in the Prehospital Air Medical Plasma (PAMPer) trial. <i>BMC Emergency Medicine</i> , 2020, 20, 76.	1.9	3
60	Viscoelastic monitoring in trauma resuscitation. <i>Transfusion</i> , 2020, 60, S33-S51.	1.6	6
61	Whole Blood is Superior to Component Transfusion for Injured Children. <i>Annals of Surgery</i> , 2020, 272, 590-594.	4.2	62
62	Does Routine Contrast Radiography Improve the Postoperative Care of Patients with Perforated Peptic Ulcer? A Multicenter Retrospective Cohort Study. <i>Journal of the American College of Surgeons</i> , 2020, 231, S93-S94.	0.5	0
63	Defining a Research Agenda for Layperson Prehospital Hemorrhage Control. <i>JAMA Network Open</i> , 2020, 3, e209393.	5.9	19
64	Pharmacologic Prehabilitation—What About “the Polypill”? <i>JAMA Surgery</i> , 2020, 155, 1083.	4.3	0
65	Association of Prehospital Plasma With Survival in Patients With Traumatic Brain Injury. <i>JAMA Network Open</i> , 2020, 3, e2016869.	5.9	50
66	Effects of Gender Bias and Stereotypes in Surgical Training. <i>JAMA Surgery</i> , 2020, 155, 552.	4.3	38
67	Venous thromboembolism after tranexamic acid administration: legitimate risk or statistical confounder?. <i>ANZ Journal of Surgery</i> , 2020, 90, 425-426.	0.7	4
68	Von Willebrand factor as a thrombotic and inflammatory mediator in critical illness. <i>Transfusion</i> , 2020, 60, S158-S166.	1.6	11
69	Whole-Blood Resuscitation of Injured Patients. <i>JAMA Surgery</i> , 2020, 155, 771.	4.3	15
70	A systematic review and meta-analysis of traumatic intracranial hemorrhage in patients taking prehospital antiplatelet therapy: Is there a role for platelet transfusions?. <i>Journal of Trauma and Acute Care Surgery</i> , 2020, 88, 847-854.	2.1	19
71	The great platelet paradox: evolution of platelet contribution to hemostasis, inflammation, and thrombosis after injury. <i>Blood Advances</i> , 2020, 4, 2556-2556.	5.2	5
72	Hepatic Surgical Stress Promotes Systemic Immunothrombosis That Results in Distant Organ Injury. <i>Frontiers in Immunology</i> , 2020, 11, 987.	4.8	30

#	ARTICLE	IF	CITATIONS
73	Defining trauma-induced coagulopathy with respect to future implications for patient management: Communication from the SSC of the ISTH. <i>Journal of Thrombosis and Haemostasis</i> , 2020, 18, 740-747.	3.8	56
74	Massive transfusion and the response to prehospital plasma: It is all in how you define it. <i>Journal of Trauma and Acute Care Surgery</i> , 2020, 89, 43-50.	2.1	8
75	Fibrinolysis Shutdown and Thrombosis in Severe COVID-19. <i>Journal of the American College of Surgeons</i> , 2020, 231, 203-204.	0.5	22
76	Educating the Public on Hemorrhage Control: Methods and Challenges of a Public Health Initiative. <i>Current Surgery Reports</i> , 2020, 8, 1.	0.9	3
77	Association Between Preoperative Metformin Exposure and Postoperative Outcomes in Adults With Type 2 Diabetes. <i>JAMA Surgery</i> , 2020, 155, e200416.	4.3	51
78	Forgot calcium? Admission ionized-calcium in two civilian randomized controlled trials of prehospital plasma for traumatic hemorrhagic shock. <i>Journal of Trauma and Acute Care Surgery</i> , 2020, 88, 588-596.	2.1	48
79	Traumatic injury results in prolonged circulation of ultralarge von Willebrand factor and a reduction in ADAMTS13 activity. <i>Transfusion</i> , 2020, 60, 1308-1318.	1.6	24
80	Prehospital plasma is associated with distinct biomarker expression following injury. <i>JCI Insight</i> , 2020, 5, .	5.0	52
81	Intravascular hemolysis triggers ADP-mediated generation of platelet-rich thrombi in precapillary pulmonary arterioles. <i>JCI Insight</i> , 2020, 5, .	5.0	8
82	Reduced Cleavage of Von Willebrand Factor By ADAMTS13 Exacerbates Acute Kidney Injury Secondary to Traumatic Injury. <i>Blood</i> , 2020, 136, 9-9.	1.4	1
83	Platelet-derived extracellular vesicles released after trauma promote hemostasis and contribute to DVT in mice. <i>Journal of Thrombosis and Haemostasis</i> , 2019, 17, 1733-1745.	3.8	49
84	Pass interference: Getting in the way of platelets. <i>Journal of Thrombosis and Haemostasis</i> , 2019, 17, 1414-1416.	3.8	0
85	Platelet Transfusion for Patients with Traumatic Intracranial Hemorrhage Taking Prehospital Antiplatelet Medication: A Systematic Review and Meta-Analysis. <i>Journal of the American College of Surgeons</i> , 2019, 229, S305-S306.	0.5	0
86	Early versus late venous thromboembolism: A secondary analysis of data from the PROPPR trial. <i>Surgery</i> , 2019, 166, 416-422.	1.9	13
87	A Systematic Review of Gender-Based Differences in Hirsch Index Among Academic Surgeons. <i>Journal of Surgical Research</i> , 2019, 236, 22-29.	1.6	31
88	Perceptions Regarding Mentorship Among General Surgery Trainees With Academic Career Intentions. <i>Journal of Surgical Education</i> , 2019, 76, 916-923.	2.5	8
89	Tranexamic acid administration is associated with an increased risk of posttraumatic venous thromboembolism. <i>Journal of Trauma and Acute Care Surgery</i> , 2019, 86, 20-27.	2.1	140
90	Implementation of a prehospital air medical thawed plasma program: Is it even feasible?. <i>Journal of Trauma and Acute Care Surgery</i> , 2019, 87, 1077-1081.	2.1	12

#	ARTICLE	IF	CITATIONS
91	Window of Opportunity to Mitigate Trauma-induced Coagulopathy. <i>Annals of Surgery</i> , 2019, 270, 528-534.	4.2	13
92	Fibrinolysis Shutdown in Trauma: Historical Review and Clinical Implications. <i>Anesthesia and Analgesia</i> , 2019, 129, 762-773.	2.2	95
93	Hernia Management in Cirrhosis: Risk Assessment, Operative Approach, and Perioperative Care. <i>Journal of Surgical Research</i> , 2019, 235, 1-7.	1.6	3
94	Risk of Venous Thromboembolism for Patients with Pancreatic Ductal Adenocarcinoma Undergoing Preoperative Chemotherapy Followed by Surgical Resection. <i>Annals of Surgical Oncology</i> , 2019, 26, 1503-1511.	1.5	21
95	Prolonged Circulation of Ultra-Large Von Willebrand Factor and a Reduction in ADAMTS13 Activity Promotes Microvascular Disease Following Traumatic Injury. <i>Blood</i> , 2019, 134, 444-444.	1.4	1
96	Modern Techniques for DNA, RNA, and Protein Assessment. <i>Success in Academic Surgery</i> , 2019, , 65-104.	0.1	0
97	Mechanism of Pulmonary Thrombosis in Hemolytic Disorders. <i>Blood</i> , 2019, 134, 976-976.	1.4	0
98	Overresuscitation with plasma is associated with sustained fibrinolysis shutdown and death in pediatric traumatic brain injury. <i>Journal of Trauma and Acute Care Surgery</i> , 2018, 85, 12-17.	2.1	36
99	Intravenous synthetic platelet (SynthoPlate) nanoconstructs reduce bleeding and improve "golden hour"™ survival in a porcine model of traumatic arterial hemorrhage. <i>Scientific Reports</i> , 2018, 8, 3118.	3.3	60
100	Deep vein thrombosis in mice is regulated by platelet HMGB1 through release of neutrophil-extracellular traps and DNA. <i>Scientific Reports</i> , 2018, 8, 2068.	3.3	133
101	Principal component analysis of coagulation assays in severely injured children. <i>Surgery</i> , 2018, 163, 827-831.	1.9	25
102	A qualitative study of gender differences in the experiences of general surgery trainees. <i>Journal of Surgical Research</i> , 2018, 228, 127-134.	1.6	48
103	Intravenous administration of synthetic platelets (SynthoPlate) in a mouse liver injury model of uncontrolled hemorrhage improves hemostasis. <i>Journal of Trauma and Acute Care Surgery</i> , 2018, 84, 917-923.	2.1	34
104	Coupled Model of Blood Volume and Activated Clotting Factor Concentration during Childbirth. <i>IFAC-PapersOnLine</i> , 2018, 51, 52-55.	0.9	1
105	Design and implementation of the Western Pennsylvania regional Stop the Bleed initiative. <i>Journal of Trauma and Acute Care Surgery</i> , 2018, 85, 684-690.	2.1	15
106	Bacterial contamination of platelets for transfusion: strategies for prevention. <i>Critical Care</i> , 2018, 22, 271.	5.8	97
107	Reversing anti-factor Xa agents and the unmet needs in trauma patients. <i>Blood</i> , 2018, 132, 2441-2445.	1.4	10
108	ADAMTS13: origins, applications, and prospects. <i>Transfusion</i> , 2018, 58, 2453-2462.	1.6	29

#	ARTICLE	IF	CITATIONS
109	Platelet HMGB1 is required for efficient bacterial clearance in intra-abdominal bacterial sepsis in mice. <i>Blood Advances</i> , 2018, 2, 638-648.	5.2	41
110	Heme Oxygenase-2 Localizes to Mitochondria and Regulates Hypoxic Responses in Hepatocytes. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-10.	4.0	13
111	Prehospital Plasma during Air Medical Transport in Trauma Patients at Risk for Hemorrhagic Shock. <i>New England Journal of Medicine</i> , 2018, 379, 315-326.	27.0	573
112	Blunt cerebrovascular injury in elderly fall patients: are we screening enough?. <i>World Journal of Emergency Surgery</i> , 2018, 13, 30.	5.0	15
113	Chloroquine reduces hypercoagulability in pancreatic cancer through inhibition of neutrophil extracellular traps. <i>BMC Cancer</i> , 2018, 18, 678.	2.6	133
114	Management of Exsanguinating Hemorrhage: Hemostasis and Resuscitation (DRAFT). , 2018, , .		0
115	Platelet Transfusion in Critical Care and Surgery. <i>Shock</i> , 2017, 47, 537-549.	2.1	34
116	Is Coagulopathy an Appropriate Therapeutic Target During Critical Illness Such as Trauma or Sepsis?. <i>Shock</i> , 2017, 48, 159-167.	2.1	21
117	Surgical rescue. <i>Journal of Trauma and Acute Care Surgery</i> , 2017, 82, 280-286.	2.1	35
118	Management of anticoagulation with rivaroxaban in trauma and acute care surgery. <i>Journal of Trauma and Acute Care Surgery</i> , 2017, 82, 542-549.	2.1	16
119	Precision Correction of Coagulopathy or Prothrombin Complex Concentrates?. <i>Anesthesiology</i> , 2017, 127, 744-746.	2.5	6
120	Abnormalities in fibrinolysis at the time of admission are associated with deep vein thrombosis, mortality, and disability in a pediatric trauma population. <i>Journal of Trauma and Acute Care Surgery</i> , 2017, 82, 27-34.	2.1	51
121	Uncontrolled Hemorrhagic Shock Modeled via Liver Laceration in Mice with Real Time Hemodynamic Monitoring. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	8
122	Trending Fibrinolytic Dysregulation. <i>Annals of Surgery</i> , 2017, 266, 508-515.	4.2	56
123	Extracellular Cyclophilin A Augments Platelet-Dependent Thrombosis and Thromboinflammation. <i>Thrombosis and Haemostasis</i> , 2017, 117, 2063-2078.	3.4	16
124	Should All Massively Transfused Patients Be Treated Equally? An Analysis of Massive Transfusion Ratios in the Nontrauma Setting. <i>Critical Care Medicine</i> , 2017, 45, 1311-1316.	0.9	46
125	Platelet-derived high-mobility group box 1 promotes recruitment and suppresses apoptosis of monocytes. <i>Biochemical and Biophysical Research Communications</i> , 2016, 478, 143-148.	2.1	45
126	The confusion continues: results from an American Association for the Surgery of Trauma survey on massive transfusion practices among United States trauma centers. <i>Transfusion</i> , 2016, 56, 2478-2486.	1.6	67

#	ARTICLE	IF	CITATIONS
127	Redefining acute care surgery. <i>Journal of Trauma and Acute Care Surgery</i> , 2015, 79, 327.	2.1	23
128	Platelet-derived HMGB1 is a critical mediator of thrombosis. <i>Journal of Clinical Investigation</i> , 2015, 125, 4638-4654.	8.2	281
129	Taking the Blood Bank to the Field: The Design and Rationale of the Prehospital Air Medical Plasma (PAMPer) Trial. <i>Prehospital Emergency Care</i> , 2015, 19, 343-350.	1.8	50
130	Design of the Study of Tranexamic Acid during Air Medical Prehospital Transport (STAAMP) Trial: Addressing the Knowledge Gaps. <i>Prehospital Emergency Care</i> , 2015, 19, 79-86.	1.8	59
131	Synthesis of anti-inflammatory $\hat{1}\pm$ - and $\hat{1}^2$ -linked acetamidopyranosides as inhibitors of toll-like receptor 4 (TLR4). <i>Tetrahedron Letters</i> , 2015, 56, 3097-3100.	1.4	30
132	Massive Transfusion Protocol Activation Does Not Result in Preferential Use of Older Red Blood Cells. <i>Journal of Blood Transfusion</i> , 2014, 2014, 1-5.	3.3	4
133	State of the art: massive transfusion. <i>Transfusion Medicine</i> , 2014, 24, 138-144.	1.1	52
134	X Chromosome-Linked IRAK-1 Polymorphism Is a Strong Predictor of Multiple Organ Failure and Mortality Postinjury. <i>Annals of Surgery</i> , 2014, 260, 698-705.	4.2	29
135	Toll-Like Receptor 4 Regulates Platelet Function and Contributes to Coagulation Abnormality and Organ Injury in Hemorrhagic Shock and Resuscitation. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 615-624.	5.1	51
136	A novel scoring system to predict the development of necrotizing enterocolitis totalis in premature infants. <i>Journal of Pediatric Surgery</i> , 2014, 49, 1053-1056.	1.6	28
137	Toll-like Receptor 4-mediated Endoplasmic Reticulum Stress in Intestinal Crypts Induces Necrotizing Enterocolitis. <i>Journal of Biological Chemistry</i> , 2014, 289, 9584-9599.	3.4	141
138	Trauma-Hemorrhagic Shock Induces a CD36-Dependent RBC Endothelial-Adhesive Phenotype. <i>Critical Care Medicine</i> , 2014, 42, e200-e210.	0.9	19
139	Prehospital Use of Nonsteroidal Anti-inflammatory Drugs (NSAIDs) Is Associated With a Reduced Incidence of Trauma-Induced Coagulopathy. <i>Annals of Surgery</i> , 2014, 260, 378-382.	4.2	19
140	A Critical Role for TLR4 Induction of Autophagy in the Regulation of Enterocyte Migration and the Pathogenesis of Necrotizing Enterocolitis. <i>Journal of Immunology</i> , 2013, 190, 3541-3551.	0.8	115
141	Innate Immune Activation After Transfusion of Stored Red Blood Cells. <i>Transfusion Medicine Reviews</i> , 2013, 27, 113-118.	2.0	39
142	Use of a Massive Transfusion Protocol in Nontrauma Patients: Activate Away. <i>Journal of the American College of Surgeons</i> , 2013, 216, 1103-1109.	0.5	42
143	Endothelial TLR4 activation impairs intestinal microcirculatory perfusion in necrotizing enterocolitis via eNOS \hat{e} NO \hat{e} nitrite signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9451-9456.	7.1	186
144	Discovery and Validation of a New Class of Small Molecule Toll-Like Receptor 4 (TLR4) Inhibitors. <i>PLoS ONE</i> , 2013, 8, e65779.	2.5	105

#	ARTICLE	IF	CITATIONS
145	Amniotic fluid inhibits Toll-like receptor 4 signaling in the fetal and neonatal intestinal epithelium. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11330-11335.	7.1	151
146	Toll-like Receptor 4 Is Expressed on Intestinal Stem Cells and Regulates Their Proliferation and Apoptosis via the p53 Up-regulated Modulator of Apoptosis. Journal of Biological Chemistry, 2012, 287, 37296-37308.	3.4	182
147	Crystalloid to packed red blood cell transfusion ratio in the massively transfused patient. Journal of Trauma, 2012, 72, 892-898.	2.3	112
148	Massive Transfusion. Archives of Surgery, 2012, 147, 563-71.	2.2	29
149	Endoscopic retrograde cholangiopancreatography is safe and effective for the diagnosis and treatment of pancreaticobiliary disease following abdominal organ transplant in children. Pediatric Transplantation, 2012, 16, 829-834.	1.0	14
150	Intestinal Epithelial Toll-Like Receptor 4 Regulates Goblet Cell Development and Is Required for Necrotizing Enterocolitis in Mice. Gastroenterology, 2012, 143, 708-718.e5.	1.3	250
151	Intracellular Heat Shock Protein-70 Negatively Regulates TLR4 Signaling in the Newborn Intestinal Epithelium. Journal of Immunology, 2012, 188, 4543-4557.	0.8	80
152	Intestinal Stem Cells and Their Roles During Mucosal Injury and Repair. Journal of Surgical Research, 2011, 167, 1-8.	1.6	39
153	Over Reliance on Computed Tomography Imaging in Patients With Severe Abdominal Injury: Is the Delay Worth the Risk?. Journal of Trauma, 2011, 70, 278-284.	2.3	28
154	Diverting Loop Ileostomy and Colonic Lavage. Annals of Surgery, 2011, 254, 423-429.	4.2	306
155	Tension pneumopericardium in an infant. Surgery, 2011, 149, 457-458.	1.9	2
156	An appraisal of endoscopic retrograde cholangiopancreatography (ERCP) for pancreaticobiliary disease in children: our institutional experience in 231 cases. Surgical Endoscopy and Other Interventional Techniques, 2011, 25, 2536-2540.	2.4	92
157	Extracellular High Mobility Group Box-1 (HMGB1) Inhibits Enterocyte Migration via Activation of Toll-like Receptor-4 and Increased Cell-Matrix Adhesiveness. Journal of Biological Chemistry, 2010, 285, 4995-5002.	3.4	66
158	Endorectal pull-through for Hirschsprung's disease—a multicenter, long-term comparison of results: transanal vs transabdominal approach. Journal of Pediatric Surgery, 2010, 45, 1213-1220.	1.6	92
159	Presence of pneumomediastinum after blunt trauma in children: what does it really mean?. Journal of Pediatric Surgery, 2009, 44, 1322-1327.	1.6	24
160	Preinjury Statin Use Is Associated With a Higher Risk of Multiple Organ Failure After Injury: A Propensity Score Adjusted Analysis. Journal of Trauma, 2009, 67, 476-484.	2.3	13
161	The use of pre-operative imaging and intraoperative parathyroid hormone level to guide surgical management of tertiary hyperparathyroidism from X-linked hypophosphatemic rickets: a case report. Cases Journal, 2009, 2, 7572.	0.4	6
162	Enterocyte TLR4 Mediates Phagocytosis and Translocation of Bacteria Across the Intestinal Barrier. Journal of Immunology, 2006, 176, 3070-3079.	0.8	440

#	ARTICLE	IF	CITATIONS
163	Endotoxin Inhibits Intestinal Epithelial Restitution through Activation of Rho-GTPase and Increased Focal Adhesions. Journal of Biological Chemistry, 2004, 279, 24592-24600.	3.4	129
164	A Systemic Storm in Critically Injured Humans Revealed by Longitudinal Multi-Omics. SSRN Electronic Journal, 0, , .	0.4	0