List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Optical Biopsy Using a Neural Network to Predict Gene Expression From Photos of Wounds. Journal of Surgical Research, 2022, 270, 547-554.	0.8	5
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	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
4	IL-17A – A regulator in acute inflammation: Insights from in vitro, in vivo and in silico studies. Cytokine, 2021, 139, 154344.	1.4	9
5	IRF3 Signaling within the Mouse Stroma Influences Sepsis Pathogenesis. Journal of Immunology, 2021, 206, 398-409.	0.4	8
6	Exercise Training Decreases Hepatic Injury and Metastases Through Changes in Immune Response to Liver Ischemia/Reperfusion in Mice. Hepatology, 2021, 73, 2494-2509.	3.6	19
7	A road map from single-cell transcriptome to patient classification for the immune response to trauma. JCl Insight, 2021, 6, .	2.3	29
8	Machine learning and mechanistic computational modeling of inflammation as tools for designing immunomodulatory biomaterials. , 2021, , 251-272.		2
9	Age of thawed plasma does not affect clinical outcomes or biomarker expression in patients receiving prehospital thawed plasma: a PAMPer secondary analysis. Trauma Surgery and Acute Care Open, 2021, 6, e000648.	0.8	4
10	Protective/reparative cytokines are suppressed at high injury severity in human trauma. Trauma Surgery and Acute Care Open, 2021, 6, e000619.	0.8	10
11	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
12	A putative "chemokine switch―that regulates systemic acute inflammation in humans. Scientific Reports, 2021, 11, 9703.	1.6	12
13	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
14	The Effects of Tacrolimus on Tissue-Specific, Protein-Level Inflammatory Networks in Vascularized Composite Allotransplantation. Frontiers in Immunology, 2021, 12, 591154.	2.2	5
15	Effect of CHRFAM7A Δ2bp gene variant on secondary inflammation after spinal cord injury. PLoS ONE, 2021, 16, e0251110.	1.1	9
16	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
17	Integrating Mindsets and Toolsets at the Frontier of Systems Biology. Frontiers in Systems Biology, 2021, 1, .	0.5	3
18	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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19	Inflammatory signals and network connections implicate cell-mediated immunity in chronic venous insufficiency. Annals of Translational Medicine, 2021, 9, 1643-1643.	0.7	1
20	Divergent COVID-19 Disease Trajectories Predicted by a DAMP-Centered Immune Network Model. Frontiers in Immunology, 2021, 12, 754127.	2.2	10
21	Predicting Experimental Sepsis Survival with a Mathematical Model of Acute Inflammation. Frontiers in Systems Biology, 2021, 1, .	0.5	2
22	An Overview of the Translational Dilemma and the Need for Model-Based Precision Medicine. , 2021, , 3-10.		0
23	Data-Driven Modeling of Liver Injury, Inflammation, and Fibrosis. , 2021, , 263-271.		Ο
24	The Rationale and Implementation of Model-Based Precision Medicine for Inflammatory Diseases. , 2021, , 295-299.		0
25	Identification of Endotypes of Hospitalized COVID-19 Patients. Frontiers in Medicine, 2021, 8, 770343.	1.2	10
26	Multi-omic analysis in injured humans: Patterns align with outcomes and treatment responses. Cell Reports Medicine, 2021, 2, 100478.	3.3	35
27	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
28	Quality Control Measures and Validation in Gene Association Studies: Lessons for Acute Illness. Shock, 2020, 53, 256-268.	1.0	1
29	Prioritized Research for the Prevention, Treatment, and Reversal of Chronic Disease: Recommendations From the Lifestyle Medicine Research Summit. Frontiers in Medicine, 2020, 7, 585744.	1.2	36
30	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
31	Adverse childhood experiences (ACEs), cell-mediated immunity, and survival in the context of cancer. Brain, Behavior, and Immunity, 2020, 88, 566-572.	2.0	13
32	Computational Derivation of Core, Dynamic Human Blunt Trauma Inflammatory Endotypes. Frontiers in Immunology, 2020, 11, 589304.	2.2	12
33	Dynamics of Systemic Inflammation as a Function of Developmental Stage in Pediatric Acute Liver Failure. Frontiers in Immunology, 2020, 11, 610861.	2.2	4
34	Prehospital plasma is associated with distinct biomarker expression following injury. JCI Insight, 2020, 5, .	2.3	52
35	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
36	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

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37	Agentâ€based models of inflammation in translational systems biology: A decade later. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2019, 11, e1460.	6.6	19
38	Diurnal Variation in Systemic Acute Inflammation and Clinical Outcomes Following Severe Blunt Trauma. Frontiers in Immunology, 2019, 10, 2699.	2.2	10
39	Computational evidence for an early, amplified systemic inflammation program in polytrauma patients with severe extremity injuries. PLoS ONE, 2019, 14, e0217577.	1.1	26
40	Derivation, Validation, and Potential Treatment Implications of Novel Clinical Phenotypes for Sepsis. JAMA - Journal of the American Medical Association, 2019, 321, 2003.	3.8	753
41	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
42	The Impact of Stochasticity and Its Control on a Model of the Inflammatory Response. Computation, 2019, 7, 3.	1.0	8
43	Association of a Functional Polymorphism in the <i>CHRFAM7A</i> Gene with Inflammatory Response Mediators and Neuropathic Pain after Spinal Cord Injury. Journal of Neurotrauma, 2019, 36, 3026-3033.	1.7	18
44	MPPED2 Polymorphism Is Associated With Altered Systemic Inflammation and Adverse Trauma Outcomes. Frontiers in Genetics, 2019, 10, 1115.	1.1	11
45	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
46	Hepatic Encephalopathy in Children With Acute Liver Failure. Journal of Pediatric Gastroenterology and Nutrition, 2019, 69, 108-115.	0.9	14
47	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
48	Computational Analysis Supports IL-17A as a Central Driver of Neutrophil Extracellular Trap–Mediated Injury in Liver Ischemia Reperfusion. Journal of Immunology, 2019, 202, 268-277.	0.4	25
49	Decoding the secreted inflammatory response of primary human hepatocytes to hypoxic stress in vitro. Annals of Translational Medicine, 2019, 7, 371-371.	0.7	3
50	Diagnosis and Management of Polytraumatized Patients With Severe Extremity Trauma. Journal of Orthopaedic Trauma, 2018, 32, S1-S6.	0.7	5
51	Suppressed networks of inflammatory mediators characterize chronic venous insufficiency. Journal of Vascular Surgery: Venous and Lymphatic Disorders, 2018, 6, 358-366.	0.9	15
52	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
53	A computational analysis of dynamic, multi-organ inflammatory crosstalk induced by endotoxin in mice. PLoS Computational Biology, 2018, 14, e1006582.	1.5	18
54	Rationale and design of technology assisted stepped collaborative care intervention to improve patient-centered outcomes in hemodialysis patients (TÄ€Ccare trial). Contemporary Clinical Trials, 2018, 73, 81-91.	0.8	16

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55	What's New in Shock, June 2018?. Shock, 2018, 49, 613-615.	1.0	0
56	Inflammation and disease: Modelling and modulation of the inflammatory response to alleviate critical illness. Current Opinion in Systems Biology, 2018, 12, 22-29.	1.3	18
57	Inflammatory Mediators Associated With Pressure Ulcer Development in Individuals With Pneumonia After Traumatic Spinal Cord Injury: A Pilot Study. Archives of Physical Medicine and Rehabilitation, 2017, 98, 1792-1799.	0.5	10
58	Solving Immunology?. Trends in Immunology, 2017, 38, 116-127.	2.9	45
59	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
60	"Thinking―vs. "Talking― Differential Autocrine Inflammatory Networks in Isolated Primary Hepatic Stellate Cells and Hepatocytes under Hypoxic Stress. Frontiers in Physiology, 2017, 8, 1104.	1.3	4
61	Dynamic Data-Driven Modeling for Ex Vivo Data Analysis: Insights into Liver Transplantation and Pathobiology. Computation, 2017, 5, 46.	1.0	2
62	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
63	Time for trauma immunology. PLoS Medicine, 2017, 14, e1002342.	3.9	14
64	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
65	Data-Driven Modeling for Precision Medicine in Pediatric Acute Liver Failure. Molecular Medicine, 2016, 22, 821-829.	1.9	45
66	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
67	Modeling and Hemofiltration Treatment of Acute Inflammation. Processes, 2016, 4, 38.	1.3	6
68	Inflammation Following Traumatic Brain Injury in Humans: Insights from Data-Driven and Mechanistic Models into Survival and Death. Frontiers in Pharmacology, 2016, 7, 342.	1.6	37
69	Dynamic Profiling: Modeling the Dynamics of Inflammation and Predicting Outcomes in Traumatic Brain Injury Patients. Frontiers in Pharmacology, 2016, 7, 383.	1.6	13
70	Machine Perfusion of Porcine Livers with Oxygen-Carrying Solution Results in Reprogramming of Dynamic Inflammation Networks. Frontiers in Pharmacology, 2016, 7, 413.	1.6	12
71	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
72	Reverse engineering the inflammatory "clockâ€ı from computational modeling to rational resetting. Drug Discovery Today: Disease Models, 2016, 22, 57-63.	1.2	1

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73	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
74	Augmenting Surgery via Multi-scale Modeling and Translational Systems Biology in the Era of Precision Medicine: A Multidisciplinary Perspective. Annals of Biomedical Engineering, 2016, 44, 2611-2625.	1.3	16
75	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
76	Precision Medicine for Critical Illness and Injury. Critical Care Medicine, 2016, 44, 1635-1638.	0.4	51
77	Early Detection of Pressure Ulcer Development Following Traumatic Spinal Cord Injury Using Inflammatory Mediators. Archives of Physical Medicine and Rehabilitation, 2016, 97, 1656-1662.	0.5	20
78	From static to dynamic: a sepsis-specific dynamic model from clinical criteria in polytrauma patients. Annals of Translational Medicine, 2016, 4, 492-492.	0.7	6
79	Prehospital Hypotension Is Associated With Altered Inflammation Dynamics and Worse Outcomes Following Blunt Trauma in Humans*. Critical Care Medicine, 2015, 43, 1395-1404.	0.4	57
80	Automated parameter estimation for biological models using Bayesian statistical model checking. BMC Bioinformatics, 2015, 16, S8.	1.2	12
81	Impact of Injury Severity on Dynamic Inflammation Networks Following Blunt Trauma. Shock, 2015, 44, 101-109.	1.0	61
82	Data-Driven and Statistical Models. , 2015, , 89-98.		0
83	Mathematical Modeling of Early Cellular Innate and Adaptive Immune Responses to Ischemia/Reperfusion Injury and Solid Organ Allotransplantation. Frontiers in Immunology, 2015, 6, 484.	2.2	16
84	Cardiac Arrest Disrupts Caspase-1 and Patterns of Inflammatory Mediators Differently in Skin and Muscle Following Localized Tissue Injury in Rats: Insights from Data-Driven Modeling. Frontiers in Immunology, 2015, 6, 587.	2.2	6
85	Randomized Clinical Trials. , 2015, , 35-40.		0
86	In vivo and systems biology studies implicate IL-18 as a central mediator in chronic pain. Journal of Neuroimmunology, 2015, 283, 43-49.	1.1	27
87	Insights into the Role of Chemokines, Damage-Associated Molecular Patterns, and Lymphocyte-Derived Mediators from Computational Models of Trauma-Induced Inflammation. Antioxidants and Redox Signaling, 2015, 23, 1370-1387.	2.5	82
88	Injuryâ€induced MRP8/MRP14 stimulates IPâ€10/CXCL10 in monocytes/macrophages. FASEB Journal, 2015, 29, 250-262.	0.2	48
89	Agent-Based Modeling and Translational Systems Biology. , 2015, , 111-135.		1

90 From Data to Knowledge in Translational Systems Biology. , 2015, , 81-88.

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91	Myocyte TLR4 enhances enteric and systemic inflammation driving late murine endotoxic ileus. American Journal of Physiology - Renal Physiology, 2015, 308, G852-G862.	1.6	6
92	Trauma in silico: Individual-specific mathematical models and virtual clinical populations. Science Translational Medicine, 2015, 7, 285ra61.	5.8	66
93	A Roadmap for a Rational Future. , 2015, , 69-78.		1
94	Predicting <i>In Vivo</i> Responses to Biomaterials via Combined <i>In Vitro</i> and <i>In Silico</i> Analysis. Tissue Engineering - Part C: Methods, 2015, 21, 148-159.	1.1	41
95	A Computational, Tissue-Realistic Model of Pressure Ulcer Formation in Individuals with Spinal Cord Injury. PLoS Computational Biology, 2015, 11, e1004309.	1.5	30
96	Interesting Times. , 2015, , 3-8.		1
97	Biomedical Research Since the Molecular Revolution. , 2015, , 27-33.		0
98	Complexity in Biomedical Research. , 2015, , 41-44.		0
99	Mechanistic Modeling of Critical Illness Using Equations. , 2015, , 99-110.		0
100	Impact of chemically-modified tetracycline 3 on intertwined physiological, biochemical, and inflammatory networks in porcine sepsis/ARDS. International Journal of Burns and Trauma, 2015, 5, 22-35.	0.2	17
101	Insights from Computational Modeling in Inflammation and Acute Rejection in Limb Transplantation. PLoS ONE, 2014, 9, e99926.	1.1	22
102	A Multiscale Agent-Based in silico Model of Liver Fibrosis Progression. Frontiers in Bioengineering and Biotechnology, 2014, 2, 18.	2.0	45
103	Inducible Protein-10, a Potential Driver of Neurally Controlled Interleukin-10 and Morbidity in Human Blunt Trauma*. Critical Care Medicine, 2014, 42, 1487-1497.	0.4	57
104	Computational modelling of the inflammatory response in trauma, sepsis and wound healing: implications for modelling resilience. Interface Focus, 2014, 4, 20140004.	1.5	19
105	X Chromosome-Linked IRAK-1 Polymorphism Is a Strong Predictor of Multiple Organ Failure and Mortality Postinjury. Annals of Surgery, 2014, 260, 698-705.	2.1	29
106	Delayed Neutralization of Interleukin 6 Reduces Organ Injury, Selectively Suppresses Inflammatory Mediator, and Partially Normalizes Immune Dysfunction Following Trauma and Hemorrhagic Shock. Shock, 2014, 42, 218-227.	1.0	28
107	How Implementation of Systems Biology into Clinical Trials Accelerates Understanding of Diseases. Frontiers in Neurology, 2014, 5, 102.	1.1	35
108	Removal of Inflammatory Ascites Is Associated With Dynamic Modification of Local and Systemic Inflammation Along With Prevention of Acute Lung Injury. Shock, 2014, 41, 317-323.	1.0	50

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109	From data patterns to mechanistic models in acute critical illness. Journal of Critical Care, 2014, 29, 604-610.	1.0	32
110	Parameter discovery for stochastic computational models in systems biology using Bayesian model checking. , 2014, , .		0
111	Identification of Distinct Monocyte Phenotypes and Correlation With Circulating Cytokine Profiles in Acute Response to Spinal Cord Injury: A Pilot Study. PM and R, 2014, 6, 332-341.	0.9	19
112	Global sensitivity analysis of a mathematical model of acute inflammation identifies nonlinear dependence of cumulative tissue damage on host interleukin-6 responses. Journal of Theoretical Biology, 2014, 358, 132-148.	0.8	23
113	The Central Role of Arginine Catabolism in T-Cell Dysfunction and Increased Susceptibility to Infection After Physical Injury. Annals of Surgery, 2014, 259, 171-178.	2.1	92
114	Innate Immunity in Disease: Insights from Mathematical Modeling and Analysis. Advances in Experimental Medicine and Biology, 2014, 844, 227-243.	0.8	4
115	Integrating Data-Driven and Mechanistic Models of the Inflammatory Response in Sepsis and Trauma. , 2013, , 143-157.		6
116	Therapeutic strategies in inflammasome mediated diseases of the liver. Journal of Hepatology, 2013, 58, 1047-1052.	1.8	31
117	A multiscale modeling approach to inflammation: A case study in human endotoxemia. Journal of Computational Physics, 2013, 244, 279-289.	1.9	9
118	Modeling the interactions of bacteria and Toll-like receptor-mediated inflammation in necrotizing enterocolitis. Journal of Theoretical Biology, 2013, 321, 83-99.	0.8	25
119	A three-dimensional mathematical and computational model of necrotizing enterocolitis. Journal of Theoretical Biology, 2013, 322, 17-32.	0.8	19
120	Bayesian inference of the lung alveolar spatial model for the identification of alveolar mechanics associated with acute respiratory distress syndrome. Physical Biology, 2013, 10, 036008.	0.8	4
121	Roles of dendritic cells in murine hepatic warm and liver transplantation-induced cold ischemia/reperfusion injury. Hepatology, 2013, 57, 1585-1596.	3.6	43
122	In Silico Modeling. Critical Care Medicine, 2013, 41, 2008-2014.	0.4	60
123	Hybrid Equation/Agent-Based Model of Ischemia-Induced Hyperemia and Pressure Ulcer Formation Predicts Greater Propensity to Ulcerate in Subjects with Spinal Cord Injury. PLoS Computational Biology, 2013, 9, e1003070.	1.5	32
124	Computational Modeling of Inflammation and Wound Healing. Advances in Wound Care, 2013, 2, 527-537.	2.6	32
125	Combined In Silico, In Vivo, and In Vitro Studies Shed Insights into the Acute Inflammatory Response in Middle-Aged Mice. PLoS ONE, 2013, 8, e67419.	1.1	18
126	A Systems Engineering Perspective on Homeostasis and Disease. Frontiers in Bioengineering and Biotechnology, 2013, 1, 6.	2.0	27

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127	An Overview of the Translational Dilemma and the Need for Translational Systems Biology of Inflammation. , 2013, , 1-7.		3
128	Analysis of Serum Inflammatory Mediators Identifies Unique Dynamic Networks Associated with Death and Spontaneous Survival in Pediatric Acute Liver Failure. PLoS ONE, 2013, 8, e78202.	1.1	86
129	Central Role for MCP-1/CCL2 in Injury-Induced Inflammation Revealed by In Vitro, In Silico, and Clinical Studies. PLoS ONE, 2013, 8, e79804.	1.1	91
130	Agent-Based Models of Wound Healing. , 2013, , 209-228.		0
131	In Silico Trials and Personalized Therapy for Sepsis and Trauma. , 2013, , 159-170.		0
132	Modeling Host–Vector–Pathogen Immuno-inflammatory Interactions in Malaria. , 2013, , 265-279.		1
133	The Rationale and Implementation of Translational Systems Biology as a New Paradigm for the Study of Inflammation. , 2013, , 283-287.		0
134	A Biohybrid Device for the Systemic Control of Acute Inflammation. Disruptive Science and Technology, 2012, 1, 20-27.	1.0	11
135	Chemically Modified Tetracycline 3 Prevents Acute Respiratory Distress Syndrome in a Porcine Model of Sepsis + Ischemia/Reperfusion–Induced Lung Injury. Shock, 2012, 37, 424-432.	1.0	32
136	Early stabilizing alveolar ventilation prevents acute respiratory distress syndrome. Journal of Trauma and Acute Care Surgery, 2012, 73, 391-400.	1.1	71
137	A two-compartment mathematical model of endotoxin-induced inflammatory and physiologic alterations in swine*. Critical Care Medicine, 2012, 40, 1052-1063.	0.4	72
138	Toward Computational Identification of Multiscale "Tipping Points―in Acute Inflammation and Multiple Organ Failure. Annals of Biomedical Engineering, 2012, 40, 2414-2424.	1.3	49
139	Linking Inflammation, Cardiorespiratory Variability, and Neural Control in Acute Inflammation via Computational Modeling. Frontiers in Physiology, 2012, 3, 222.	1.3	39
140	Sepsis: From Pattern to Mechanism and Back. Critical Reviews in Biomedical Engineering, 2012, 40, 341-351.	0.5	28
141	Augmenter of Liver Regeneration (ALR) Is a Novel Biomarker of Hepatocellular Stress/Inflammation: In Vitro, In Vivo and In Silico Studies. Molecular Medicine, 2012, 18, 1421-1429.	1.9	26
142	Hemoadsorption Reprograms Inflammation in Experimental Gram-negative Septic Peritonitis: Insights from In Vivo and In Silico Studies. Molecular Medicine, 2012, 18, 1366-1374.	1.9	52
143	Sepsis: Something old, something new, and a systems view. Journal of Critical Care, 2012, 27, 314.e1-314.e11.	1.0	95

144 At the Interface between Acute and Chronic Inflammation. , 2012, , 3-20.

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145	Computational and systems biology in trauma and sepsis: current state and future perspectives. International Journal of Burns and Trauma, 2012, 2, 1-10.	0.2	51
146	An agent-based model of inflammation and fibrosis following particulate exposure in the lung. Mathematical Biosciences, 2011, 231, 186-196.	0.9	57
147	A Dynamic View of Trauma/Hemorrhage-Induced Inflammation in Mice: Principal Drivers and Networks. PLoS ONE, 2011, 6, e19424.	1.1	102
148	Biosimulation of acute phonotrauma: An extended model. Laryngoscope, 2011, 121, 2418-2428.	1.1	23
149	In silico augmentation of the drug development pipeline: examples from the study of acute inflammation. Drug Development Research, 2011, 72, 187-200.	1.4	52
150	Transcriptomic response of murine liver to severe injury and hemorrhagic shock: a dual-platform microarray analysis. Physiological Genomics, 2011, 43, 1170-1183.	1.0	22
151	Biosimulation of Inflammation and Healing in Surgically Injured Vocal Folds. Annals of Otology, Rhinology and Laryngology, 2010, 119, 412-423.	0.6	27
152	Translational systems biology and voice pathophysiology. Laryngoscope, 2010, 120, 511-515.	1.1	18
153	Translational systems biology of inflammation and healing. Wound Repair and Regeneration, 2010, 18, 3-7.	1.5	53
154	SPARK. International Journal of Agent Technologies and Systems, 2010, 2, 18-30.	0.1	23
155	Translational systems biology of inflammation: potential applications to personalized medicine. Personalized Medicine, 2010, 7, 549-559.	0.8	61
156	Translational Systems Approaches to the Biology of Inflammation and Healing. Immunopharmacology and Immunotoxicology, 2010, 32, 181-195.	1.1	78
157	Systems Biology and Inflammation. Methods in Molecular Biology, 2010, 662, 181-201.	0.4	23
158	Using a Mathematical Model to Analyze the Role of Probiotics and Inflammation in Necrotizing Enterocolitis. PLoS ONE, 2010, 5, e10066.	1.1	55
159	TWO AUTOCOVARIANCE-BASED MEASURES OF BALANCE IN PARKINSONIANS AND NORMAL CONTROLS. International Journal of Pure and Applied Mathematics, 2010, 63, 269-278.	0.2	0
160	An Adequately Robust Early TNF-α Response Is a Hallmark of Survival Following Trauma/Hemorrhage. PLoS ONE, 2009, 4, e8406.	1.1	52
161	Endotoxin uptake in mouse liver is blocked by endotoxin pretreatment through a suppressor of cytokine signaling-1-dependent mechanism. Hepatology, 2009, 49, 1695-1708.	3.6	67
162	A linear code parameter search algorithm with applications to immunology. Computational Optimization and Applications, 2009, 42, 155-171.	0.9	0

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163	Agentâ€based models in translational systems biology. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2009, 1, 159-171.	6.6	247
164	Mechanistic simulations of inflammation: Current state and future prospects. Mathematical Biosciences, 2009, 217, 1-10.	0.9	124
165	A simple mathematical model of signaling resulting from the binding of lipopolysaccharide with Toll-like receptor 4 demonstrates inherent preconditioning behavior. Mathematical Biosciences, 2009, 217, 19-26.	0.9	38
166	MATHEMATICAL MODELING OF POSTHEMORRHAGE INFLAMMATION IN MICE. Shock, 2009, 32, 172-178.	1.0	49
167	Expression and subcellular localization of BNIP3 in hypoxic hepatocytes and liver stress. American Journal of Physiology - Renal Physiology, 2009, 296, G499-G509.	1.6	36
168	An Exploratory Pathways Analysis of Temporal Changes Induced by Spinal Cord Injury in the Rat Bladder Wall: Insights on Remodeling and Inflammation. PLoS ONE, 2009, 4, e5852.	1.1	24
169	A simple, rapid, and convenient Luminex ^{â,,¢} â€compatible method of tissue isolation. Journal of Clinical Laboratory Analysis, 2008, 22, 278-281.	0.9	18
170	An ensemble of models of the acute inflammatory response to bacterial lipopolysaccharide in rats: Results from parameter space reduction. Journal of Theoretical Biology, 2008, 253, 843-853.	0.8	55
171	Low levels of mammalian TGF-l²1 are protective against malaria parasite infection, a paradox clarified in the mosquito host. Experimental Parasitology, 2008, 118, 290-296.	0.5	12
172	Plasmodium development in the mosquito: biology bottlenecks and opportunities for mathematical modeling. Trends in Parasitology, 2008, 24, 333-336.	1.5	32
173	Equation-based models of dynamic biological systems. Journal of Critical Care, 2008, 23, 585-594.	1.0	23
174	Translational Systems Biology of Inflammation. PLoS Computational Biology, 2008, 4, e1000014.	1.5	214
175	BLOODFEEDING AS AN INTERFACE OF MAMMALIAN AND ARTHROPOD IMMUNITY. , 2008, , 151-179.		1
176	Translational Systems Biology: Introduction of an Engineering Approach to the Pathophysiology of the Burn Patient. Journal of Burn Care and Research, 2008, 29, 277-285.	0.2	65
177	PATTERNS OF CYTOKINE RELEASE AND EVOLUTION OF REMOTE ORGAN DYSFUNCTION AFTER BILATERAL FEMUR FRACTURE. Shock, 2008, 30, 43-47.	1.0	71
178	A MATHEMATICAL SIMULATION OF THE INFLAMMATORY RESPONSE TO ANTHRAX INFECTION. Shock, 2008, 29, 104-111.	1.0	58
179	A Patient-Specific in silico Model of Inflammation and Healing Tested in Acute Vocal Fold Injury. PLoS ONE, 2008, 3, e2789.	1.1	102
180	Equation-Based Models of Dynamic Biological Systems. , 2007, , 1780-1785.		4

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