Lyle L Moldawer

List of Publications by Year
in descending order

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416 papers	33,678 citations	2975 93 h-index	5120 166 g-index
426 all docs	426 docs citations	426 times ranked	32108 citing authors

#	Article	IF	Citations
1	Genomic responses in mouse models poorly mimic human inflammatory diseases. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3507-3512.	7.1	2,518
2	A network-based analysis of systemic inflammation in humans. Nature, 2005, 437, 1032-1037.	27.8	1,419
3	A genomic storm in critically injured humans. Journal of Experimental Medicine, 2011, 208, 2581-2590.	8.5	1,040
4	Sepsis and septic shock. Nature Reviews Disease Primers, 2016, 2, 16045.	30.5	978
5	Tumor necrosis factor soluble receptors circulate during experimental and clinical inflammation and can protect against excessive tumor necrosis factor alpha in vitro and in vivo.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 4845-4849.	7.1	809
6	Antibodies to cachectin/tumor necrosis factor reduce interleukin 1 beta and interleukin 6 appearance during lethal bacteremia.. Journal of Experimental Medicine, 1989, 170, 1627-1633.	8.5	678
7	Persistent inflammation and immunosuppression. Journal of Trauma and Acute Care Surgery, 2012, 72, 1491-1501.	2.1	602
8	MyD88-dependent expansion of an immature GR-1+CD11b+ population induces T cell suppression and Th2 polarization in sepsis. Journal of Experimental Medicine, 2007, 204, 1463-1474.	8.5	581
9	Macrophages secrete a novel heparin-binding protein with inflammatory and neutrophil chemokinetic properties.. Journal of Experimental Medicine, 1988, 167, 570-581.	8.5	545
10	Anti-TNF-Î± therapies: the next generation. Nature Reviews Drug Discovery, 2003, 2, 736-746.	46.4	521
11	SEPSIS SYNDROMES: UNDERSTANDING THE ROLE OF INNATE AND ACQUIRED IMMUNITY. Shock, 2001, 16, 83-96.	2.1	422
12	A mouse model for investigating the molecular pathogenesis of adenovirus pneumonia.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 1651-1655.	7.1	362
13	The acute splanchnic and peripheral tissue metabolic response to endotoxin in humans.. Journal of Clinical Investigation, 1990, 85, 1896-1904.	8.2	354
14	Sepsis Pathophysiology, Chronic Critical Illness, and Persistent Inflammation-Immunosuppression and Catabolism Syndrome. Critical Care Medicine, 2017, 45, 253-262.	0.9	346
15	Structural Basis for the Proinflammatory Cytokine Activity of High Mobility Group Box 1. Molecular Medicine, 2003, 9, 37-45.	4.4	295
16	A Paradoxical Role for Myeloid-Derived Suppressor Cells in Sepsis and Trauma. Molecular Medicine, 2011, 17, 281-292.	4.4	292
17	Cost and Mortality Associated With Postoperative Acute Kidney Injury. Annals of Surgery, 2015, 261, 1207-1214.	4.2	282
18	Nuclear factor-Î¹B is upregulated in colorectal cancer. Surgery, 2001, 130, 363-369.	1.9	261

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19	Total Parenteral Nutrition and Bowel Rest Modify the Metabolic Response to Endotoxin in Humans. Annals of Surgery, 1989, 210, 449-457.	4.2	251
20	Interleukin-10: A complex role in the pathogenesis of sepsis syndromes and its potential as an anti-inflammatory drug. Critical Care Medicine, 2002, 30, S58-S63.	0.9	247
21	Apoptosis in sepsis: a new target for therapeutic exploration. FASEB Journal, 2001, 15, 879-892.	0.5	245
22	Application of genome-wide expression analysis to human health and disease. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 4801-4806.	7.1	238
23	Cytokine signaling-regulation of the immune response in normal and critically ill states. Critical Care Medicine, 2000, 28, N3-N12.	0.9	216
24	Cachectin/tumor necrosis factorâ€Î± alters red blood cell kinetics and induces anemia in vivo. FASEB Journal, 1989, 3, 1637-1643.	0.5	213
25	Molecular Characterization of the Acute Inflammatory Response to Infections with Gram-Negative versus Gram-Positive Bacteria. Infection and Immunity, 2003, 71, 5803-5813.	2.2	213
26	Biological measures for the formulation of a hospital prognostic index. American Journal of Clinical Nutrition, 1981, 34, 2013-2022.	4.7	212
27	Anticachectin/tumor necrosis factorâ€Î± antibodies attenuate development of cachexia in tumor models. FASEB Journal, 1989, 3, 1956-1962.	0.5	205
28	ROLE OF TOLL-LIKE RECEPTORS IN THE DEVELOPMENT OF SEPSIS. Shock, 2008, 29, 315-321.	2.1	204
29	Interleukin 1 receptor blockade attenuates the host inflammatory response.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 4966-4970.	7.1	197
30	MySurgeryRisk: Development and Validation of a Machine-learning Risk Algorithm for Major Complications and Death After Surgery. Annals of Surgery, 2019, 269, 652-662.	4.2	197
31	Human Myeloid-derived Suppressor Cells are Associated With Chronic Immune Suppression After Severe Sepsis/Septic Shock. Annals of Surgery, 2017, 265, 827-834.	4.2	196
32	Whole blood and leukocyte RNA isolation for gene expression analyses. Physiological Genomics, 2004, 19, 247-254.	2.3	186
33	Proinflammatory cytokines, nutritional support, and the cachexia syndrome. Cancer, 1997, 79, 1828-1839.	4.1	179
34	A community approach to mortality prediction in sepsis via gene expression analysis. Nature Communications, 2018, 9, 694.	12.8	178
35	Biology of tumor necrosis factorâ€Î±â€“ implications for psoriasis. Experimental Dermatology, 2004, 13, 193-222.	2.9	175
36	Impaired autophagy: A mechanism of mitochondrial dysfunction in anoxic rat hepatocytes. Hepatology, 2008, 47, 1725-1736.	7.3	175

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37	Direct Evidence for Cytokine Involvement in Neointimal Hyperplasia. Circulation, 2000, 102, 1697-1702.	1.6	170
38	Clinical microfluidics for neutrophil genomics and proteomics. Nature Medicine, 2010, 16, 1042-1047.	30.7	168
39	Chronic Critical Illness and the Persistent Inflammation, Immunosuppression, and Catabolism Syndrome. Frontiers in Immunology, 2018, 9, 1511.	4.8	167
40	The Origins of Cachexia in Acute and Chronic Inflammatory Diseases*. Nutrition in Clinical Practice, 2006, 21, 68-81.	2.4	163
41	Parallels between Cancer and Infectious Disease. New England Journal of Medicine, 2014, 371, 380-383.	27.0	160
42	Defective innate immunity predisposes murine neonates to poor sepsis outcome but is reversed by TLR agonists. Blood, 2008, 112, 1750-1758.	1.4	158
43	Quantitative Proteome Analysis of Human Plasma following in Vivo Lipopolysaccharide Administration Using 16O/18O Labeling and the Accurate Mass and Time Tag Approach. Molecular and Cellular Proteomics, 2005, 4, 700-709.	3.8	156
44	The Effect of Lipid Emulsions on Reticuloendothelial System Function in the Injured Animal. Journal of Parenteral and Enteral Nutrition, 1985, 9, 559-565.	2.6	155
45	The relationship between visceral ischemia, proinflammatory cytokines, and organ injury in patients undergoing thoracoabdominal aortic aneurysm repair. Critical Care Medicine, 2000, 28, 3191-3197.	0.9	151
46	BLOCKADE OF TUMOR NECROSIS FACTOR REDUCES LIPOPOLYSACCHARIDE LETHALITY, BUT NOT THE LETHALITY OF CECAL LIGATION AND PUNCTURE. Shock, 1995, 4, 89-95.	2.1	150
47	LPS-induced liver injury in<scp>d</scp>-galactosamine-sensitized mice requires secreted TNF-Î± and the TNF-p55 receptor. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2000, 278, R1202-R1209.	1.8	149
48	Immune Checkpoint Inhibition in Sepsis: A Phase 1b Randomized, Placebo-Controlled, Single Ascending Dose Study of Antiprogrammed Cell Death-Ligand 1 Antibody (BMS-936559)*. Critical Care Medicine, 2019, 47, 632-642.	0.9	149
49	Cachexia and the acute-phase protein response in inflammation are regulated by interleukin-6. European Journal of Immunology, 1993, 23, 1889-1894.	2.9	148
50	Structural basis for the proinflammatory cytokine activity of high mobility group box 1. Molecular Medicine, 2003, 9, 37-45.	4.4	148
51	Persistent Inflammation, Immunosuppression and Catabolism Syndrome. Critical Care Clinics, 2017, 33, 245-258.	2.6	146
52	Persistent inflammation, immunosuppression, and catabolism syndrome after severe blunt trauma. Journal of Trauma and Acute Care Surgery, 2014, 76, 21-30.	2.1	145
53	INTERLEUKIN-1 AND INTERLEUKIN-1 ANTAGONISM IN SEPSIS, SYSTEMIC INFLAMMATORY RESPONSE SYNDROME, AND SEPTIC SHOCK. Shock, 1995, 3, 235-251.	2.1	144
54	B cells enhance early innate immune responses during bacterial sepsis. Journal of Experimental Medicine, 2011, 208, 1673-1682.	8.5	144

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55	Direct Evidence for Tumor Necrosis Factor-Î± Signaling in Arteriogenesis. Circulation, 2002, 105, 1639-1641.	1.6	142
56	High Dynamic Range Characterization of the Trauma Patient Plasma Proteome. Molecular and Cellular Proteomics, 2006, 5, 1899-1913.	3.8	142
57	Enhanced Collagen Accumulation Following Direct Transfection of the Inducible Nitric Oxide Synthase Gene in Cutaneous Wounds. Biochemical and Biophysical Research Communications, 1998, 246, 654-659.	2.1	141
58	Minimum Quality Threshold in Pre-Clinical Sepsis Studies (MQTiPSS): An International Expert Consensus Initiative for Improvement of Animal Modeling in Sepsis. Shock, 2018, 50, 377-380.	2.1	141
59	The changing pattern and implications of multiple organ failure after blunt injury with hemorrhagic shock*. Critical Care Medicine, 2012, 40, 1129-1135.	0.9	139
60	Sepsis Induces Early Alterations in Innate Immunity That Impact Mortality to Secondary Infection. Journal of Immunology, 2011, 186, 195-202.	0.8	137
61	Plasma cytokine measurements augment prognostic scores as indicators of outcome in patients with severe sepsis. Shock, 2005, 23, 488-93.	2.1	137
62	Redefining critical illness. Nature Medicine, 2022, 28, 1141-1148.	30.7	136
63	Role of Innate Immunity in Neonatal Infection. American Journal of Perinatology, 2013, 30, 105-112.	1.4	128
64	Lipid emulsions and reticuloendothelial system function in healthy and burned guinea pigs. American Journal of Clinical Nutrition, 1985, 42, 855-863.	4.7	127
65	INCREASED MORTALITY AND ALTERED IMMUNITY IN NEONATAL SEPSIS PRODUCED BY GENERALIZED PERITONITIS. Shock, 2007, 28, 675-683.	2.1	127
66	Comparative proteome analyses of human plasma followingin vivo lipopolysaccharide administration using multidimensional separations coupled with tandem mass spectrometry. Proteomics, 2005, 5, 572-584.	2.2	125
67	Incidence, Clinical Predictors, Genomics, and Outcome of Acute Kidney Injury Among Trauma Patients. Annals of Surgery, 2010, 252, 158-165.	4.2	122
68	Human transcriptome array for high-throughput clinical studies. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3707-3712.	7.1	122
69	Interleukin 1, tumour necrosis factorâ€alpha (cachectin) and the pathogenesis of cancer cachexia. Clinical Physiology, 1987, 7, 263-274.	0.7	121
70	Biology of interleukin-10 and its regulatory roles in sepsis syndromes. Critical Care Medicine, 2005, 33, S468-S471.	0.9	121
71	Increased Natural CD4+CD25+ Regulatory T Cells and Their Suppressor Activity Do Not Contribute to Mortality in Murine Polymicrobial Sepsis. Journal of Immunology, 2006, 177, 7943-7949.	0.8	121
72	Characterization of the Systemic Loss of Dendritic Cells in Murine Lymph Nodes During Polymicrobial Sepsis. Journal of Immunology, 2004, 173, 3035-3043.	0.8	119

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73	Murine Models of Sepsis and Trauma: Can We Bridge the Gap?. ILAR Journal, 2017, 58, 90-105.	1.8	119
74	Innate Immunity in the Persistent Inflammation, Immunosuppression, and Catabolism Syndrome and Its Implications for Therapy. Frontiers in Immunology, 2018, 9, 595.	4.8	119
75	Neutrophil Mobilization from the Bone Marrow during Polymicrobial Sepsis Is Dependent on CXCL12 Signaling. Journal of Immunology, 2011, 187, 911-918.	0.8	117
76	Immune checkpoint inhibition in sepsis: a Phase 1b randomized study to evaluate the safety, tolerability, pharmacokinetics, and pharmacodynamics of nivolumab. Intensive Care Medicine, 2019, 45, 1360-1371.	8.2	117
77	Type I interferon signaling in hematopoietic cells is required for survival in mouse polymicrobial sepsis by regulating CXCL10. Journal of Experimental Medicine, 2010, 207, 319-326.	8.5	116
78	Human tumor necrosis factor receptor (p55) and interleukin 10 gene transfer in the mouse reduces mortality to lethal endotoxemia and also attenuates local inflammatory responses.. Journal of Experimental Medicine, 1995, 181, 2289-2293.	8.5	115
79	Cytokines and Wound Healing: The Role of Cytokine and Anticytokine Therapy in the Repair Response. Journal of Burn Care and Research, 2004, 25, 149-160.	1.6	114
80	Structured medium-chain and long-chain triglyceride emulsions are superior to physical mixtures in sparing body protein in the burned rat. Metabolism: Clinical and Experimental, 1984, 33, 910-915.	3.4	112
81	Targeted adenovirus-induced expression of IL-10 decreases thymic apoptosis and improves survival in murine sepsis. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 11503-11508.	7.1	112
82	Continuous Flow Microfluidic Device for Rapid Erythrocyte Lysis. Analytical Chemistry, 2004, 76, 6247-6253.	6.5	112
83	Cutting Edge: Bacterial Infection Induces Hematopoietic Stem and Progenitor Cell Expansion in the Absence of TLR Signaling. Journal of Immunology, 2010, 184, 2247-2251.	0.8	112
84	Immunotherapies for COVID-19: lessons learned from sepsis. Lancet Respiratory Medicine,the, 2020, 8, 946-949.	10.7	111
85	A Novel Type I IFN-Producing Cell Subset in Murine Lupus. Journal of Immunology, 2008, 180, 5101-5108.	0.8	110
86	Cell-specific expression and pathway analyses reveal alterations in trauma-related human T cell and monocyte pathways. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 15564-15569.	7.1	106
87	What Are the Causes and Consequences of the Chronic Inflammatory State in Chronic Dialysisâ€ƒPatients?. Seminars in Dialysis, 2000, 13, 163-164.	1.3	105
88	A Genomic Score Prognostic of Outcome in Trauma Patients. Molecular Medicine, 2009, 15, 220-227.	4.4	104
89	Improved protein kinetics and albumin synthesis by branched chain amino acid-enriched total parenteral nutrition in cancer cachexia: A prospective randomized crossover trial. Cancer, 1986, 58, 147-157.	4.1	103
90	Metalloproteinase inhibitors and wound healing: A novel enhancer of wound strength. Surgery, 1998, 124, 464-470.	1.9	103

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91	PRECLINICAL MODELS OF SHOCK AND SEPSIS: WHAT CAN THEY TELL US?. Shock, 2005, 24, 1-6.	2.1	102
92	Mice are not men. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E345.	7.1	102
93	Microbial recognition and danger signals in sepsis and trauma. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 2564-2573.	3.8	100
94	CD11c+ Dendritic Cells Are Required for Survival in Murine Polymicrobial Sepsis. Journal of Immunology, 2005, 175, 3282-3286.	0.8	98
95	Evidence for Persistent Immune Suppression in Patients Who Develop Chronic Critical Illness After Sepsis. Shock, 2018, 49, 249-258.	2.1	98
96	Lipopolysaccharide and<scp>d</scp>-galactosamine-induced hepatic injury is mediated by TNF-Î± and not by Fas ligand. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2000, 278, R1196-R1201.	1.8	97
97	NEUTROPHIL ELASTASE, MIP-2, AND TLR-4 EXPRESSION DURING HUMAN AND EXPERIMENTAL SEPSIS. Shock, 2005, 23, 39-44.	2.1	95
98	Benchmarking Outcomes in the Critically Injured Trauma Patient and the Effect of Implementing Standard Operating Procedures. Annals of Surgery, 2012, 255, 993-999.	4.2	92
99	Tumor Cell Nitric Oxide Inhibits Cell Growthin Vitro,but Stimulates Tumorigenesis and Experimental Lung Metastasisin Vivo. Journal of Surgical Research, 1996, 63, 49-52.	1.6	91
100	Interleukin-18: A novel prognostic cytokine in bacteria-induced sepsis. Critical Care Medicine, 2006, 34, 1225-1233.	0.9	91
101	Benchmarking clinical outcomes and the immunocatabolic phenotype of chronic critical illness after sepsis in surgical intensive care unit patients. Journal of Trauma and Acute Care Surgery, 2018, 84, 342-349.	2.1	91
102	In vivo demonstration of nitrogen-sparing mechanisms for glucose and amino acids in the injured rat. Metabolism: Clinical and Experimental, 1980, 29, 173-180.	3.4	89
103	The future of murine sepsis and trauma research models. Journal of Leukocyte Biology, 2015, 98, 945-952.	3.3	89
104	Development of a Genomic Metric That Can Be Rapidly Used to Predict Clinical Outcome in Severely Injured Trauma Patients*. Critical Care Medicine, 2013, 41, 1175-1185.	0.9	88
105	The Epidemiology of Chronic Critical Illness After Severe Traumatic Injury at Two Levelâ€“One Trauma Centers*. Critical Care Medicine, 2017, 45, 1989-1996.	0.9	87
106	Glutamine or Fiber Supplementation of a Defined Formula Diet: Impact on Bacterial Translocation, Tissue Composition, and Response to Endotoxin. Journal of Parenteral and Enteral Nutrition, 1990, 14, 335-343.	2.6	86
107	Superoxide Production by Macrophages and T Cells Is Critical for the Induction of Autoreactivity and Type 1 Diabetes. Diabetes, 2011, 60, 2144-2151.	0.6	85
108	A Review of GM-CSF Therapy in Sepsis. Medicine (United States), 2015, 94, e2044.	1.0	83

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109	Targeting IL-17A attenuates neonatal sepsis mortality induced by IL-18. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2627-35.	7.1	83
110	The Role of Cytokines in Cancer Cachexia. Journal of Parenteral and Enteral Nutrition, 1992, 16, 43S-49S.	2.6	82
111	Cytokine-mediated alterations in host metabolism prevent nutritional repletion in cachectic cancer patients. Journal of Surgical Oncology, 1995, 58, 77-82.	1.7	80
112	Sepsis and the Dendritic Cell. Shock, 2003, 20, 386-401.	2.1	80
113	The Induction of EAE Is Only Partially Dependent on TNF Receptor Signaling but Requires the IL-1 Type I Receptor. Clinical Immunology, 2000, 95, 117-123.	3.2	79
114	The influence of intravenous nutrition on protein dynamics following surgery. Metabolism: Clinical and Experimental, 1981, 30, 1150-1158.	3.4	78
115	Xylitol, an Energy Source for Intravenous Nutrition after Trauma. Journal of Parenteral and Enteral Nutrition, 1985, 9, 199-209.	2.6	78
116	Flagellin enhances NK cell proliferation and activation directly and through dendritic cell-NK cell interactions. Journal of Leukocyte Biology, 2005, 78, 888-897.	3.3	77
117	A MATRIX METALLOPROTEINASE INHIBITOR PREVENTS PROCESSING OF TUMOR NECROSIS FACTOR Î± (TNFÎ±) AND ABROGATES ENDOTOXIN-INDUCED LETHALITY. Shock, 1997, 7, 427-431.	2.1	76
118	Leptin and ciliary neurotropic factor (CNTF) inhibit fasting-induced suppression of luteinizing hormone release in rats: role of neuropeptide Y. Neuroscience Letters, 1998, 240, 45-49.	2.1	76
119	Persistent inflammation, immunosuppression, and catabolism and the development of chronic critical illness after surgery. Surgery, 2018, 164, 178-184.	1.9	75
120	A Locus on Mouse Chromosome 6 That Determines Resistance to Herpes Simplex Virus Also Influences Reactivation, While an Unlinked Locus Augments Resistance of Female Mice. Journal of Virology, 2003, 77, 11661-11673.	3.4	74
121	Report of a Research Workshop: Branchedâ€Chain Amino Acids in Stress and Injury. Journal of Parenteral and Enteral Nutrition, 1986, 10, 446-452.	2.6	73
122	Longitudinal studies of inter-alpha inhibitor proteins in severely septic patients: A potential clinical marker and mediator of severe sepsis*. Critical Care Medicine, 2007, 35, 387-392.	0.9	73
123	A Novel Drug for Treatment of Necrotizing Soft-Tissue Infections. JAMA Surgery, 2014, 149, 528.	4.3	73
124	Microfluidic Isolation of Leukocytes from Whole Blood for Phenotype and Gene Expression Analysis. Analytical Chemistry, 2006, 78, 5453-5461.	6.5	71
125	Treatment with GITR agonistic antibody corrects adaptive immune dysfunction in sepsis. Blood, 2007, 110, 3673-3681.	1.4	71
126	Protein metabolism during total parenteral nutrition (TPN) in injured rats using medium-chain triglycerides. Metabolism: Clinical and Experimental, 1984, 33, 901-909.	3.4	70

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127	Stimulatory effect of interleukin-1 upon hepatic metabolism. Metabolism: Clinical and Experimental, 1986, 35, 419-424.	3.4	70
128	TNF-Î± Receptor Signaling and IL-10 Gene Therapy Regulate the Innate and Humoral Immune Responses to Recombinant Adenovirus in the Lung. Journal of Immunology, 2000, 164, 443-451.	0.8	70
129	Glucocorticoid-induced, caspase-dependent organ apoptosis early after burn injury. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2000, 278, R1005-R1018.	1.8	69
130	CD14 receptor occupancy in severe sepsis: Results of a phase I clinical trial with a recombinant chimeric CD14 monoclonal antibody (IC14)*. Critical Care Medicine, 2004, 32, 1100-1108.	0.9	68
131	Increased Leptin Expression in Mice with Bacterial Peritonitis is Partially Regulated by Tumor Necrosis Factor Alpha. Infection and Immunity, 1998, 66, 1800-1802.	2.2	68
132	Autoregulation of Human Monocyte-Derived Dendritic Cell Maturation and IL-12 Production by Cyclooxygenase- 2-Mediated Prostanoid Production. Journal of Immunology, 2000, 165, 4298-4304.	0.8	67
133	Inducible nuclear factor-?B activation contributes to chemotherapy resistance in gastric cancer1 , *1. Journal of the American College of Surgeons, 2004, 199, 249-258.	0.5	65
134	Advanced age is associated with worsened outcomes and a unique genomic response in severely injured patients with hemorrhagic shock. Critical Care, 2015, 19, 77.	5.8	65
135	Sepsis and Critical Illness Research Center investigators: protocols and standard operating procedures for a prospective cohort study of sepsis in critically ill surgical patients. BMJ Open, 2017, 7, e015136.	1.9	65
136	Immunological Defects in Neonatal Sepsis and Potential Therapeutic Approaches. Frontiers in Pediatrics, 2017, 5, 14.	1.9	65
137	Granulocyte Colony-Stimulating Factor to Prevent the Progression of Systemic Nonresponsiveness in Systemic Inflammatory Response Syndrome and Sepsis. Blood, 1999, 93, 425-439.	1.4	64
138	Protective Immunity and Defects in the Neonatal and Elderly Immune Response to Sepsis. Journal of Immunology, 2014, 192, 3156-3165.	0.8	64
139	Myeloid-derived suppressor cell function and epigenetic expression evolves over time after surgical sepsis. Critical Care, 2019, 23, 355.	5.8	64
140	Leukocyte endogenous mediator alters protein dynamics in rats. Metabolism: Clinical and Experimental, 1983, 32, 654-660.	3.4	63
141	ANTICYTOKINE THERAPIES FOR ACUTE INFLAMMATION AND THE SYSTEMIC INFLAMMATORY RESPONSE SYNDROME: IL-10 AND ISCHEMIA/REPERFUSION INJURY AS A NEW PARADIGM. Shock, 2000, 13, 425-434.	2.1	63
142	Stored Packed Red Blood Cell Transfusion Up-regulates Inflammatory Gene Expression in Circulating Leukocytes. Annals of Surgery, 2007, 246, 129-134.	4.2	63
143	Analysis of factorial time-course microarrays with application to a clinical study of burn injury. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9923-9928.	7.1	62
144	DAMPs, PAMPs, and the Origins of SIRS in Bacterial Sepsis. Shock, 2013, 39, 113-114.	2.1	62

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145	Attenuation of skeletal muscle ischemia/reperfusion injury by inhibition of tumor necrosis factor. Journal of Vascular Surgery, 1999, 29, 370-376.	1.1	61
146	Genomic and Proteomic Determinants of Outcome in Patients Undergoing Thoracoabdominal Aortic Aneurysm Repair. Journal of Immunology, 2004, 172, 7103-7109.	0.8	61
147	Cytokine Profile After Lung Transplantation: Correlation With Allograft Injury. Annals of Thoracic Surgery, 2006, 81, 1844-1850.	1.3	61
148	A Detailed Characterization of the Dysfunctional Immunity and Abnormal Myelopoiesis Induced by Severe Shock and Trauma in the Aged. Journal of Immunology, 2015, 195, 2396-2407.	0.8	61
149	Minimum quality threshold in pre-clinical sepsis studies (MQTiPSS): an international expert consensus initiative for improvement of animal modeling in sepsis. Intensive Care Medicine Experimental, 2018, 6, 26.	1.9	61
150	Visceral Ischemia and Organ Dysfunction After Thoracoabdominal Aortic Aneurysm Repair. Annals of Surgery, 1996, 223, 729-736.	4.2	61
151	Inhibition of tumor necrosis factor-alpha attenuates wound breaking strength in rats. Wound Repair and Regeneration, 2000, 8, 547-553.	3.0	60
152	Effects of megestrol acetate on weight gain, body composition, and pulmonary function in patients with cystic fibrosis. Journal of Pediatrics, 2002, 140, 439-444.	1.8	60
153	Current Epidemiology of Surgical Sepsis. Annals of Surgery, 2019, 270, 502-510.	4.2	60
154	Caspase-3â€“Dependent Organ Apoptosis Early After Burn Injury. Annals of Surgery, 1999, 229, 851.	4.2	60
155	Inhibition of NF-Kappa B augments sensitivity to 5-Fluorouracil/Folinic acid in colon cancer1. Journal of Surgical Research, 2004, 120, 178-188.	1.6	59
156	Large-Scale Multiplexed Quantitative Discovery Proteomics Enabled by the Use of an 18O-Labeled â€œUniversalâ€•Reference Sample. Journal of Proteome Research, 2009, 8, 290-299.	3.7	59
157	Principles of wound healing. , 2011, , 423-450.		59
158	Novel Role for Tumor-Induced Expansion of Myeloid-Derived Cells in Cancer Cachexia. Journal of Immunology, 2014, 192, 6111-6119.	0.8	57
159	Part I: Minimum Quality Threshold in Preclinical Sepsis Studies (MQTiPSS) for Study Design and Humane Modeling Endpoints. Shock, 2019, 51, 10-22.	2.1	57
160	Evidence that brief stress may induce the acute phase response in rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1997, 273, R1998-R2004.	1.8	56
161	Differences in outcome between obese and nonobese patients following severe blunt trauma are not consistent with an early inflammatory genomic response. Critical Care Medicine, 2010, 38, 51-58.	0.9	55
162	Determination of Burn Patient Outcome by Large-Scale Quantitative Discovery Proteomics. Critical Care Medicine, 2013, 41, 1421-1434.	0.9	55

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163	Exogenously administered interleukin-10 decreases pulmonary neutrophil infiltration in a tumor necrosis factorâ€“dependent murine model of acute visceral ischemia. Journal of Vascular Surgery, 1997, 26, 113-118.	1.1	54
164	Apoptosis in sepsis: a new target for therapeutic exploration. FASEB Journal, 2001, 15, 879-892.	0.5	54
165	Plasma Proteome Response to Severe Burn Injury Revealed by ¹⁸O-Labeled â€œUniversalâ€• Reference-Based Quantitative Proteomics. Journal of Proteome Research, 2010, 9, 4779-4789.	3.7	54
166	Use of recombinant human soluble TNF receptor in anorectic tumor-bearing rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1999, 277, R850-R855.	1.8	53
167	Increased Survival in Sepsis by In Vivo Adenovirus-Induced Expression of IL-10 in Dendritic Cells. Journal of Immunology, 2002, 168, 3412-3418.	0.8	53
168	Pleiotropic IFN-Dependent and -Independent Effects of IRF5 on the Pathogenesis of Experimental Lupus. Journal of Immunology, 2012, 188, 4113-4121.	0.8	53
169	Postnatal Age Is a Critical Determinant of the Neonatal Host Response to Sepsis. Molecular Medicine, 2015, 21, 496-504.	4.4	53
170	Is there value in plasma cytokine measurements in patients with severe trauma and sepsis?. Methods, 2013, 61, 3-9.	3.8	52
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