

The pulmonary endothelial glycocalyx regulates neutro during experimental sepsis

Nature Medicine

18, 1217-1223

DOI: [10.1038/nm.2843](https://doi.org/10.1038/nm.2843)

Citation Report

#	ARTICLE	IF	CITATIONS
1	The role of the glomerular endothelium in albumin handling. <i>Nature Reviews Nephrology</i> , 2013, 9, 717-725.	4.1	114
2	Re-evaluation of the pathogenic roles of nonstructural protein 1 and its antibodies during dengue virus infection. <i>Journal of Biomedical Science</i> , 2013, 20, 42.	2.6	37
3	Heparan sulfate inhibitors and their therapeutic implications in inflammatory illnesses. <i>Expert Opinion on Therapeutic Targets</i> , 2013, 17, 965-975.	1.5	30
4	Versatile role of heparanase in inflammation. <i>Matrix Biology</i> , 2013, 32, 234-240.	1.5	115
5	The endothelial glycocalyx as a potential modifier of the hemolytic uremic syndrome. <i>European Journal of Internal Medicine</i> , 2013, 24, 503-509.	1.0	31
6	Involvement of heparanase in atherosclerosis and other vessel wall pathologies. <i>Matrix Biology</i> , 2013, 32, 241-251.	1.5	60
7	Tissue-Specific Neutrophil Recruitment into the Lung, Liver, and Kidney. <i>Journal of Innate Immunity</i> , 2013, 5, 348-357.	1.8	93
8	<i>In vivo</i> Measurement of the Mouse Pulmonary Endothelial Surface Layer. <i>Journal of Visualized Experiments</i> , 2013, , e50322.	0.2	10
9	Heparanase: Multiple functions in inflammation, diabetes and atherosclerosis. <i>Matrix Biology</i> , 2013, 32, 220-222.	1.5	53
10	The heparanase/syndecan-1 axis in cancer: mechanisms and therapies. <i>FEBS Journal</i> , 2013, 280, 2294-2306.	2.2	156
11	Protein-Bound Uremic Toxins Stimulate Crosstalk between Leukocytes and Vessel Wall. <i>Journal of the American Society of Nephrology: JASN</i> , 2013, 24, 1981-1994.	3.0	96
12	Heparan Sulfate: A Ubiquitous Glycosaminoglycan with Multiple Roles in Immunity. <i>Frontiers in Immunology</i> , 2013, 4, 470.	2.2	128
13	Role of High Endothelial Venule-Expressed Heparan Sulfate in Chemokine Presentation and Lymphocyte Homing. <i>Journal of Immunology</i> , 2013, 191, 448-455.	0.4	26
14	The endothelial glycocalyx. <i>Tissue Barriers</i> , 2013, 1, e23494.	1.6	89
15	Heparanase in inflammation and inflammation-associated cancer. <i>FEBS Journal</i> , 2013, 280, 2307-2319.	2.2	67
16	Heparanase mediates renal dysfunction during early sepsis in mice. <i>Physiological Reports</i> , 2013, 1, e00153.	0.7	61
17	Elevated CXCL1 expression in gp130-deficient endothelial cells impairs neutrophil migration in mice. <i>Blood</i> , 2013, 122, 3832-3842.	0.6	31
18	The Endothelial Glycocalyx. <i>Anesthesia and Analgesia</i> , 2013, 117, 664-674.	1.1	85

#	ARTICLE	IF	CITATIONS
19	Acute Lung Injury and Acute Kidney Injury Are Established by Four Hours in Experimental Sepsis and Are Improved with Pre, but Not Post, Sepsis Administration of TNF- α Antibodies. PLoS ONE, 2013, 8, e79037.	1.1	76
20	Nanomechanics of the Endothelial Glycocalyx in Experimental Sepsis. PLoS ONE, 2013, 8, e80905.	1.1	132
21	Heparanase Interacts with Resistin and Augments Its Activity. PLoS ONE, 2014, 9, e85944.	1.1	10
22	N-Acetyl-Heparin Attenuates Acute Lung Injury Caused by Acid Aspiration Mainly by Antagonizing Histones in Mice. PLoS ONE, 2014, 9, e97074.	1.1	17
23	Soluble Heparan Sulfate Fragments Generated by Heparanase Trigger the Release of Pro-Inflammatory Cytokines through TLR-4. PLoS ONE, 2014, 9, e109596.	1.1	187
24	Loss of Syndecan-1 Induces a Pro-inflammatory Phenotype in Endothelial Cells with a Dysregulated Response to Atheroprotective Flow. Journal of Biological Chemistry, 2014, 289, 9547-9559.	1.6	106
25	Modification of heparanase gene expression in response to conditioning and LPS treatment: strong correlation to rs4693608 SNP. Journal of Leukocyte Biology, 2014, 95, 677-688.	1.5	16
26	Lung Natural Killer Cells Play a Major Counter-Regulatory Role in Pulmonary Vascular Hyperpermeability After Myocardial Infarction. Circulation Research, 2014, 114, 637-649.	2.0	24
27	Macrophage Polarization in Pancreatic Carcinoma: Role of Heparanase Enzyme. Journal of the National Cancer Institute, 2014, 106, .	3.0	55
28	Mitogen-Activated Protein Kinase-Activated Protein Kinase 2 Mediates Apoptosis during Lung Vascular Permeability by Regulating Movement of Cleaved Caspase 3. American Journal of Respiratory Cell and Molecular Biology, 2014, 50, 932-941.	1.4	39
29	Kinetics of the angiogenic response in lung endothelium following acute inflammatory injury with bleomycin. Experimental Lung Research, 2014, 40, 415-425.	0.5	4
30	Heparanase induces inflammatory cell recruitment in vivo by promoting adhesion to vascular endothelium. American Journal of Physiology - Cell Physiology, 2014, 306, C1184-C1190.	2.1	38
31	Modulation of Endothelial Glycocalyx Structure under Inflammatory Conditions. Mediators of Inflammation, 2014, 2014, 1-17.	1.4	189
32	Selective Endothelin-A Receptor Blockade Attenuates Endotoxin-Induced Pulmonary Hypertension and Pulmonary vascular dysfunction. Pulmonary Circulation, 2014, 4, 300-310.	0.8	8
33	TNF-mediated damage to glomerular endothelium is an important determinant of acute kidney injury in sepsis. Kidney International, 2014, 85, 72-81.	2.6	165
34	Trauma-Induced Coagulopathy: An Institution's 35 Year Perspective on Practice and Research. Scandinavian Journal of Surgery, 2014, 103, 89-103.	1.3	80
35	Proinflammatory role of neutrophil extracellular traps in abdominal sepsis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 307, L586-L596.	1.3	100
36	Fluids in acute respiratory distress syndrome. Current Opinion in Critical Care, 2014, 20, 104-112.	1.6	3

#	ARTICLE	IF	CITATIONS
37	The Circulating Glycosaminoglycan Signature of Respiratory Failure in Critically Ill Adults. <i>Journal of Biological Chemistry</i> , 2014, 289, 8194-8202.	1.6	121
38	Pathobiology of the Acute Respiratory Distress Syndrome. , 2014, , 2665-2676.		1
39	Heparanase is preferentially expressed in human psoriatic lesions and induces development of psoriasiform skin inflammation in mice. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 2347-2357.	2.4	14
40	The potential of heparanase as a therapeutic target in cancer. <i>Biochemical Pharmacology</i> , 2014, 89, 12-19.	2.0	98
41	The Mechanisms and Physiological Relevance of Glycocalyx Degradation in Hepatic Ischemia/Reperfusion Injury. <i>Antioxidants and Redox Signaling</i> , 2014, 21, 1098-1118.	2.5	91
42	Novel regulators of endothelial barrier function. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014, 307, L924-L935.	1.3	109
43	Leukocyte Migration into Inflamed Tissues. <i>Immunity</i> , 2014, 41, 694-707.	6.6	882
44	The role of heparanase and the endothelial glycocalyx in the development of proteinuria. <i>Nephrology Dialysis Transplantation</i> , 2014, 29, 49-55.	0.4	90
45	Rtp801 Suppression of Epithelial mTORC1 Augments Endotoxin-Induced Lung Inflammation. <i>American Journal of Pathology</i> , 2014, 184, 2382-2389.	1.9	23
46	Role of Heparanase-Driven Inflammatory Cascade in Pathogenesis of Diabetic Nephropathy. <i>Diabetes</i> , 2014, 63, 4302-4313.	0.3	77
47	Transendothelial migration of effector T cells across inflamed endothelial barriers does not require heparan sulfate proteoglycans. <i>International Immunology</i> , 2014, 26, 315-324.	1.8	17
48	Implications of heparan sulfate and heparanase in neuroinflammation. <i>Matrix Biology</i> , 2014, 35, 174-181.	1.5	46
49	Microcirculatory dysfunction and tissue oxygenation in critical illness. <i>Acta Anaesthesiologica Scandinavica</i> , 2015, 59, 1246-1259.	0.7	48
50	Endothelial glycocalyx as an orchestrator of vascular homeostasis. New research problems and prospects for vessel wall protection. <i>Russian Chemical Bulletin</i> , 2015, 64, 2036-2042.	0.4	3
51	Inter- β inhibitor protein and its associated glycosaminoglycans protect against histone-induced injury. <i>Blood</i> , 2015, 125, 2286-2296.	0.6	75
52	Endothelial Cell Regulation of Pulmonary Vascular Tone, Inflammation, and Coagulation. , 2015, 5, 531-559.		38
53	Microvesicles Derived From Human Mesenchymal Stem Cells Restore Alveolar Fluid Clearance in Human Lungs Rejected for Transplantation. <i>American Journal of Transplantation</i> , 2015, 15, 2404-2412.	2.6	132
54	Involvement of Heparanase in Empyema: Implication for Novel Therapeutic Approaches. <i>Journal of Clinical & Cellular Immunology</i> , 2015, 06, .	1.5	4

#	ARTICLE	IF	CITATIONS
55	Heparan Sulphate as a Regulator of Leukocyte Recruitment in Inflammation. <i>Current Protein and Peptide Science</i> , 2015, 16, 77-86.	0.7	56
56	The Role of Heparanase in Pulmonary Cell Recruitment in Response to an Allergic but Not Non-Allergic Stimulus. <i>PLoS ONE</i> , 2015, 10, e0127032.	1.1	35
57	The Synthetic Antimicrobial Peptide 19-2.5 Interacts with Heparanase and Heparan Sulfate in Murine and Human Sepsis. <i>PLoS ONE</i> , 2015, 10, e0143583.	1.1	39
58	Role of the endothelial surface layer in neutrophil recruitment. <i>Journal of Leukocyte Biology</i> , 2015, 98, 503-515.	1.5	104
59	Macrophage migration inhibitory factor induces vascular leakage via autophagy. <i>Biology Open</i> , 2015, 4, 244-252.	0.6	35
60	In vivo lung imaging in pulmonary disease model. , 2015, , .		0
61	Mechanisms of Renal Graft Chronic Injury and Progression to Interstitial Fibrosis. <i>Current Transplantation Reports</i> , 2015, 2, 259-268.	0.9	2
62	Perturbation of the microvascular glycocalyx and perfusion in infants after cardiopulmonary bypass. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015, 150, 1474-1481.e1.	0.4	33
63	Lung Endothelium. <i>Colloquium Series on Integrated Systems Physiology From Molecule To Function</i> , 2015, 7, 1-66.	0.3	2
64	Coronary Neutrophil Extracellular Trap Burden and Deoxyribonuclease Activity in ST-Elevation Acute Coronary Syndrome Are Predictors of ST-Segment Resolution and Infarct Size. <i>Circulation Research</i> , 2015, 116, 1182-1192.	2.0	373
65	Fluid Overload. <i>Critical Care Clinics</i> , 2015, 31, 803-821.	1.0	108
66	Conceptual Approaches to Lung Injury and Repair. <i>Annals of the American Thoracic Society</i> , 2015, 12, S9-S15.	1.5	32
67	Neutrophils: Between Host Defence, Immune Modulation, and Tissue Injury. <i>PLoS Pathogens</i> , 2015, 11, e1004651.	2.1	532
68	Glycocalyx and sepsis-induced alterations in vascular permeability. <i>Critical Care</i> , 2015, 19, 26.	2.5	276
69	Identification of a Nonsynonymous Polymorphism in the SVEP1 Gene Associated With Altered Clinical Outcomes in Septic Shock*. <i>Critical Care Medicine</i> , 2015, 43, 101-108.	0.4	29
70	Degradation of the endothelial glycocalyx in clinical settings: searching for the sheddases. <i>British Journal of Clinical Pharmacology</i> , 2015, 80, 389-402.	1.1	312
71	P2RX7 sensitizes Mac-1/ICAM-1-dependent leukocyte-endothelial adhesion and promotes neurovascular injury during septic encephalopathy. <i>Cell Research</i> , 2015, 25, 674-690.	5.7	85
72	Elevated Serum Levels of Syndecan-1 Are Associated with Renal Involvement in Patients with Systemic Lupus Erythematosus. <i>Journal of Rheumatology</i> , 2015, 42, 202-209.	1.0	35

#	ARTICLE	IF	CITATIONS
73	Effect of unfractionated heparin on endothelial glycocalyx in a septic shock model. <i>Acta Anaesthesiologica Scandinavica</i> , 2015, 59, 160-169.	0.7	62
74	Implications of recent accumulating knowledge about endothelial glycocalyx on anesthetic management. <i>Journal of Anesthesia</i> , 2015, 29, 269-278.	0.7	28
75	The Endothelial Glycocalyx: New Diagnostic and Therapeutic Approaches in Sepsis. <i>BioMed Research International</i> , 2016, 2016, 1-8.	0.9	82
76	Pediatric Acute Respiratory Distress Syndrome: Fluid Management in the PICU. <i>Frontiers in Pediatrics</i> , 2016, 4, 21.	0.9	39
77	Integrins: Regulation of Adhesion and Downstream Signaling. , 2016, , 72-82.		0
78	Intravital microscopy of the lung: minimizing invasiveness. <i>Journal of Biophotonics</i> , 2016, 9, 868-878.	1.1	14
79	The Endothelium in Sepsis. <i>Shock</i> , 2016, 45, 259-270.	1.0	453
80	Microcirculatory dysfunction in sepsis: pathophysiology, clinical monitoring, and potential therapies. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H24-H35.	1.5	75
81	Deep insights: intravital imaging with two-photon microscopy. <i>Pflugers Archiv European Journal of Physiology</i> , 2016, 468, 1505-1516.	1.3	34
82	The pulmonary endothelium in acute respiratory distress syndrome: insights and therapeutic opportunities. <i>Thorax</i> , 2016, 71, 462-473.	2.7	169
83	The glycocalyx layer. , 2016, , 73-81.		7
84	Lung Metabolic Activation as an Early Biomarker of Acute Respiratory Distress Syndrome and Local Gene Expression Heterogeneity. <i>Anesthesiology</i> , 2016, 125, 992-1004.	1.3	24
85	Fluid resuscitation for acute kidney injury. <i>Current Opinion in Critical Care</i> , 2016, 22, 527-532.	1.6	3
86	Body volumes and fluid kinetics. , 0, , 41-51.		0
87	The newest progress of research on acute trauma-induced coagulopathy. <i>Journal of Acute Disease</i> , 2016, 5, 185-189.	0.0	0
88	Urinary Glycosaminoglycans Predict Outcomes in Septic Shock and Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 439-449.	2.5	114
89	Evaluation of the endothelial glycocalyx damage in patients with acute coronary syndrome. <i>Atherosclerosis</i> , 2016, 247, 184-188.	0.4	51
90	Astilbin alleviates LPS-induced ARDS by suppressing MAPK signaling pathway and protecting pulmonary endothelial glycocalyx. <i>International Immunopharmacology</i> , 2016, 36, 51-58.	1.7	49

#	ARTICLE	IF	CITATIONS
91	Lung ICAM ¹ and ICAM ² support spontaneous intravascular effector lymphocyte entrapment but are not required for neutrophil entrapment or emigration inside endotoxin-inflamed lungs. <i>FASEB Journal</i> , 2016, 30, 1767-1778.	0.2	17
92	Heparanase: From basic research to therapeutic applications in cancer and inflammation. <i>Drug Resistance Updates</i> , 2016, 29, 54-75.	6.5	180
93	Decitabine and 5-azacitidine both alleviate LPS induced ARDS through anti-inflammatory/antioxidant activity and protection of glycocalyx and inhibition of MAPK pathways in mice. <i>Biomedicine and Pharmacotherapy</i> , 2016, 84, 447-453.	2.5	37
94	Ulinastatin attenuates pulmonary endothelial glycocalyx damage and inhibits endothelial heparanase activity in LPS-induced ARDS. <i>Biochemical and Biophysical Research Communications</i> , 2016, 478, 669-675.	1.0	41
95	The glycocalyx and its significance in human medicine. <i>Journal of Internal Medicine</i> , 2016, 280, 97-113.	2.7	301
96	Using cultured endothelial cells to study endothelial barrier dysfunction: Challenges and opportunities. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 311, L453-L466.	1.3	55
97	Endothelial Glycocalyx: Not Just a Sugar Coat. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 390-393.	2.5	19
98	Glycocalyx and its involvement in clinical pathophysiologies. <i>Journal of Intensive Care</i> , 2016, 4, 59.	1.3	99
99	Heparan Sulfate: Biosynthesis, Structure, and Function. <i>International Review of Cell and Molecular Biology</i> , 2016, 325, 215-273.	1.6	214
100	Amelioration of sepsis by TIE2 activation-induced vascular protection. <i>Science Translational Medicine</i> , 2016, 8, 335ra55.	5.8	151
101	Biochemical and functional characterization of glycosaminoglycans released from degranulating rat peritoneal mast cells: Insights into the physiological role of endogenous heparin. <i>Pulmonary Pharmacology and Therapeutics</i> , 2016, 41, 96-102.	1.1	5
102	Surface wave excitations and backflow effect over dense polymer brushes. <i>Scientific Reports</i> , 2016, 6, 22257.	1.6	7
103	Adhesion Molecules: Master Controllers of the Circulatory System. , 2016, 6, 945-973.		39
104	Editorial: CD36: Russian roulette of host and parasites during malaria infection. <i>Journal of Leukocyte Biology</i> , 2016, 99, 644-646.	1.5	1
105	Lung Circulation. , 2016, 6, 897-943.		90
106	Pharmacology of Heparin and Related Drugs. <i>Pharmacological Reviews</i> , 2016, 68, 76-141.	7.1	250
107	Heparan Sulfate in the Developing, Healthy, and Injured Lung. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 55, 5-11.	1.4	58
108	Fluorescent imaging of endothelial glycocalyx layer with wheat germ agglutinin using intravital microscopy. <i>Microscopy Research and Technique</i> , 2016, 79, 31-37.	1.2	60

#	ARTICLE	IF	CITATIONS
109	An iminosugar-based heparanase inhibitor heparastatin (SF4) suppresses infiltration of neutrophils and monocytes into inflamed dorsal air pouches. <i>International Immunopharmacology</i> , 2016, 35, 15-21.	1.7	11
110	Mesenchymal stem cell derived secretome and extracellular vesicles for acute lung injury and other inflammatory lung diseases. <i>Expert Opinion on Biological Therapy</i> , 2016, 16, 859-871.	1.4	156
111	THE GLYCOCALYX AND TRAUMA. <i>Shock</i> , 2016, 45, 338-348.	1.0	103
112	Could Biomarkers Direct Therapy for the Septic Patient?. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016, 357, 228-239.	1.3	17
113	Heparanase Is Essential for the Development of Acute Experimental Glomerulonephritis. <i>American Journal of Pathology</i> , 2016, 186, 805-815.	1.9	45
114	Endothelial and Microcirculatory Function and Dysfunction in Sepsis. <i>Clinics in Chest Medicine</i> , 2016, 37, 263-275.	0.8	91
115	Exocytosis of Endothelial Lysosome-Related Organelles Hair-Triggers a Patchy Loss of Glycocalyx at the Onset of Sepsis. <i>American Journal of Pathology</i> , 2016, 186, 248-258.	1.9	31
116	Recruited monocytes modulate malaria-induced lung injury through CD36-mediated clearance of sequestered infected erythrocytes. <i>Journal of Leukocyte Biology</i> , 2016, 99, 659-671.	1.5	37
117	Quantification of Malignant Breast Cancer Cell MDA-MB-231 Transmigration Across Brain and Lung Microvascular Endothelium. <i>Annals of Biomedical Engineering</i> , 2016, 44, 2189-2201.	1.3	36
118	Biomarkers of ARDS: what's new?. <i>Intensive Care Medicine</i> , 2016, 42, 797-799.	3.9	29
119	Injury and Repair. , 2016, , 251-260.e9.		1
120	Tranexamic acid and the gut barrier: Protection by inhibition of trypsin uptake and activation of downstream intestinal proteases. <i>American Journal of Surgery</i> , 2017, 213, 489-493.	0.9	6
121	HS3ST1 genotype regulates antithrombin's inflammomodulatory tone and associates with atherosclerosis. <i>Matrix Biology</i> , 2017, 63, 69-90.	1.5	19
122	Heparanase Mediates Intestinal Inflammation and Injury in a Mouse Model of Sepsis. <i>Journal of Histochemistry and Cytochemistry</i> , 2017, 65, 241-249.	1.3	41
123	Differential structural remodelling of heparan sulfate by chemokines: the role of chemokine oligomerization. <i>Open Biology</i> , 2017, 7, 160286.	1.5	37
124	Endothelial Glycocalyx as Biomarker for Cardiovascular Diseases: Mechanistic and Clinical Implications. <i>Current Heart Failure Reports</i> , 2017, 14, 117-126.	1.3	66
125	The Flow-Dependent Transcription Factor KLF2 Protects Lung Vascular Barrier Function in Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 195, 553-555.	2.5	7
126	Fibroblast Growth Factor Signaling Mediates Pulmonary Endothelial Glycocalyx Reconstitution. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 56, 727-737.	1.4	67

#	ARTICLE	IF	CITATIONS
127	Endothelial glycocalyx breakdown is mediated by angiotensin-2. <i>Cardiovascular Research</i> , 2017, 113, 671-680.	1.8	103
128	Overexpression of heparanase enhances T lymphocyte activities and intensifies the inflammatory response in a model of murine rheumatoid arthritis. <i>Scientific Reports</i> , 2017, 7, 46229.	1.6	28
129	Diabetes Mellitus and Sepsis. <i>Shock</i> , 2017, 47, 276-287.	1.0	77
130	Circulating Heparan Sulfate Fragments Attenuate Histone-Induced Lung Injury Independently of Histone Binding. <i>Shock</i> , 2017, 48, 666-673.	1.0	20
131	A model-specific role of microRNA-223 as a mediator of kidney injury during experimental sepsis. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, F553-F559.	1.3	34
132	Structural Behavior of the Endothelial Glycocalyx Is Associated With Pathophysiologic Status in Septic Mice: An Integrated Approach to Analyzing the Behavior and Function of the Glycocalyx Using Both Electron and Fluorescence Intravital Microscopy. <i>Anesthesia and Analgesia</i> , 2017, 125, 874-883.	1.1	39
133	The endothelial glycocalyx and perioperative lung injury. <i>Current Opinion in Anaesthesiology</i> , 2017, 30, 36-41.	0.9	26
134	Endothelial Glycocalyx Repair: Building a Wall to Protect the Lung during Sepsis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 56, 687-688.	1.4	17
135	In vivo Imaging of the Cerebral Endothelial Glycocalyx in Mice. <i>Journal of Vascular Research</i> , 2017, 54, 59-67.	0.6	45
136	The Role of Heparanase in the Pathogenesis of Acute Pancreatitis: A Potential Therapeutic Target. <i>Scientific Reports</i> , 2017, 7, 715.	1.6	28
137	Biomarkers in Acute Kidney Injury. , 2017, , 241-315.		22
138	Exosomes from iPSCs Delivering siRNA Attenuate Intracellular Adhesion Molecule-1 Expression and Neutrophils Adhesion in Pulmonary Microvascular Endothelial Cells. <i>Inflammation</i> , 2017, 40, 486-496.	1.7	56
139	Targeting the endothelial glycocalyx in acute critical illness as a challenge for clinical and laboratory medicine. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2017, 54, 343-357.	2.7	33
140	Neutrophil transfer of <i>miR-223</i> to lung epithelial cells dampens acute lung injury in mice. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	162
141	A monocyteâ€”TNFâ€”endothelial activation axis in sickle transgenic mice: Therapeutic benefit from TNF blockade. <i>American Journal of Hematology</i> , 2017, 92, 1119-1130.	2.0	23
143	Heparin-bound chemokine CXCL8 monomer and dimer are impaired for CXCR1 and CXCR2 activation: implications for gradients and neutrophil trafficking. <i>Open Biology</i> , 2017, 7, 170168.	1.5	30
145	Identification of Novel Class of Triazolo-Thiadiazoles as Potent Inhibitors of Human Heparanase and their Anticancer Activity. <i>BMC Cancer</i> , 2017, 17, 235.	1.1	44
147	Experimental Lung Injury Reduces KrÃ¼ppel-like Factor 2 to Increase Endothelial Permeability via Regulation of RAPGEF3â€”Rac1 Signaling. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 195, 639-651.	2.5	54

#	ARTICLE	IF	CITATIONS
148	Heparanase regulation of cancer, autophagy and inflammation: new mechanisms and targets for therapy. <i>FEBS Journal</i> , 2017, 284, 42-55.	2.2	182
149	Leukocyte Kinetics and Migration in the Lungs. <i>Respiratory Medicine</i> , 2017, , 19-45.	0.1	1
150	CKD and Risk for Hospitalization With Infection: The Atherosclerosis Risk in Communities (ARIC) Study. <i>American Journal of Kidney Diseases</i> , 2017, 69, 752-761.	2.1	96
151	Glycocalyx in vivo measurement. <i>Clinical Hemorheology and Microcirculation</i> , 2017, 67, 499-503.	0.9	21
152	Glycosaminoglycan Interactions with Chemokines Add Complexity to a Complex System. <i>Pharmaceuticals</i> , 2017, 10, 70.	1.7	100
153	The Balance Between Metalloproteinases and TIMPs. <i>Progress in Molecular Biology and Translational Science</i> , 2017, 147, 101-131.	0.9	35
154	The Toxicological Mechanisms of Environmental Soot (Black Carbon) and Carbon Black: Focus on Oxidative Stress and Inflammatory Pathways. <i>Frontiers in Immunology</i> , 2017, 8, 763.	2.2	197
155	Three-dimensional ultrastructure of capillary endothelial glycocalyx under normal and experimental endotoxemic conditions. <i>Critical Care</i> , 2017, 21, 261.	2.5	108
156	Endothelial glycocalyx degradation is more severe in patients with non-pulmonary sepsis compared to pulmonary sepsis and associates with risk of ARDS and other organ dysfunction. <i>Annals of Intensive Care</i> , 2017, 7, 102.	2.2	68
157	The Functions of Heparanase in Human Diseases. <i>Mini-Reviews in Medicinal Chemistry</i> , 2017, 17, 541-548.	1.1	30
158	The Comparison of the Protective Effects of $\hat{1}\pm$ - and $\hat{1}^2$ -Antithrombin against Vascular Endothelial Cell Damage Induced by Histone in Vitro. <i>TH Open</i> , 2017, 01, e3-e10.	0.7	4
159	Innate immune responses to trauma. <i>Nature Immunology</i> , 2018, 19, 327-341.	7.0	377
160	Regimes of Flow over Complex Structures of Endothelial Glycocalyx: A Molecular Dynamics Simulation Study. <i>Scientific Reports</i> , 2018, 8, 5732.	1.6	13
161	Guanylyl Cyclase A in Both Renal Proximal Tubular and Vascular Endothelial Cells Protects the Kidney against Acute Injury in Rodent Experimental Endotoxemia Models. <i>Anesthesiology</i> , 2018, 129, 296-310.	1.3	8
162	Effects of C1 inhibitor on endothelial cell activation in a rat hind limb ischemia-reperfusion injury model. <i>Journal of Vascular Surgery</i> , 2018, 68, 209S-221S.e2.	0.6	20
163	CTC clusters induced by heparanase enhance breast cancer metastasis. <i>Acta Pharmacologica Sinica</i> , 2018, 39, 1326-1337.	2.8	55
164	Comprehensive Analysis of Gene Expression Profiles of Sepsis-Induced Multiorgan Failure Identified Its Valuable Biomarkers. <i>DNA and Cell Biology</i> , 2018, 37, 90-98.	0.9	5
165	The Role of Heparan Sulfate in Inflammation, and the Development of Biomimetics as Anti-Inflammatory Strategies. <i>Journal of Histochemistry and Cytochemistry</i> , 2018, 66, 321-336.	1.3	67

#	ARTICLE	IF	CITATIONS
166	Heparan Sulfate Proteoglycans as Relays of Neuroinflammation. <i>Journal of Histochemistry and Cytochemistry</i> , 2018, 66, 305-319.	1.3	30
167	Bedside analysis of the sublingual microvascular glycocalyx in the emergency room and intensive care unit – the GlycoNurse study. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2018, 26, 16.	1.1	67
168	6% Hydroxyethyl starch (HES 130/0.4) diminishes glycocalyx degradation and decreases vascular permeability during systemic and pulmonary inflammation in mice. <i>Critical Care</i> , 2018, 22, 111.	2.5	43
169	The curse of angiopoietin-2 in ARDS: on stranger TI(E)des. <i>Critical Care</i> , 2018, 22, 44.	2.5	14
170	Endothelial biomarkers in human sepsis: pathogenesis and prognosis for ARDS. <i>Pulmonary Circulation</i> , 2018, 8, 1-12.	0.8	62
171	Epithelial Heparan Sulfate Contributes to Alveolar Barrier Function and Is Shed during Lung Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 59, 363-374.	1.4	40
172	Ultrastructural Alteration of Pulmonary Capillary Endothelial Glycocalyx During Endotoxemia. <i>Chest</i> , 2018, 154, 317-325.	0.4	80
173	Endothelial glycocalyx – the battleground for complications of sepsis and kidney injury. <i>Nephrology Dialysis Transplantation</i> , 2018, 33, 203-211.	0.4	29
174	Heparinase Is Essential for <i>Pseudomonas aeruginosa</i> Virulence during Thermal Injury and Infection. <i>Infection and Immunity</i> , 2018, 86, .	1.0	14
175	Mechanisms of Organ Dysfunction in Sepsis. <i>Critical Care Clinics</i> , 2018, 34, 63-80.	1.0	145
176	Regulation and function of endothelial glycocalyx layer in vascular diseases. <i>Vascular Pharmacology</i> , 2018, 100, 26-33.	1.0	128
177	More than a biomarker: the systemic consequences of heparan sulfate fragments released during endothelial surface layer degradation (2017 Grover Conference Series). <i>Pulmonary Circulation</i> , 2018, 8, 1-10.	0.8	19
178	Serum heparanase levels are associated with endothelial dysfunction in patients with obstructive sleep apnea. <i>Clinical Respiratory Journal</i> , 2018, 12, 1693-1699.	0.6	8
179	Opposing Functions of Heparanase-1 and Heparanase-2 in Cancer Progression. <i>Trends in Biochemical Sciences</i> , 2018, 43, 18-31.	3.7	117
180	Coarse-Grained Molecular Dynamics Simulation of Fatty Acid Additives in Lubricating Oil Sheared by Corrugated Solid Surfaces. , 2018, , .		0
181	Attenuation of Lipopolysaccharide-Induced Acute Lung Injury by Cyclosporine-A via Suppression of Mitochondrial DNA. <i>Medical Science Monitor</i> , 2018, 24, 7682-7688.	0.5	16
182	Algal Polysaccharides as Therapeutic Agents for Atherosclerosis. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 153.	1.1	84
183	Fluid Overload in Critically Ill Children. <i>Frontiers in Pediatrics</i> , 2018, 6, 306.	0.9	44

#	ARTICLE	IF	CITATIONS
184	Heparanase: A Multitasking Protein Involved in Extracellular Matrix (ECM) Remodeling and Intracellular Events. <i>Cells</i> , 2018, 7, 236.	1.8	67
185	Inflammatory Cells of the Lung: Neutrophils. , 2018, , 115-129.		0
186	The therapeutic effects of traditional Chinese medicine Fusu agent in LPS-induced acute lung injury model rats. <i>Drug Design, Development and Therapy</i> , 2018, Volume 12, 3867-3878.	2.0	20
187	Brain-Specific Ultrastructure of Capillary Endothelial Glycocalyx and Its Possible Contribution for Blood Brain Barrier. <i>Scientific Reports</i> , 2018, 8, 17523.	1.6	123
189	Berberine alleviates endothelial glycocalyx degradation and promotes glycocalyx restoration in LPS-induced ARDS. <i>International Immunopharmacology</i> , 2018, 65, 96-107.	1.7	35
190	The Pulmonary Endothelial Glycocalyx in ARDS: A Critical Role for Heparan Sulfate. <i>Current Topics in Membranes</i> , 2018, 82, 33-52.	0.5	48
191	<i>Helicobacter pylori</i> promotes invasion and metastasis of gastric cancer by enhancing heparanase expression. <i>World Journal of Gastroenterology</i> , 2018, 24, 4565-4577.	1.4	36
192	UHPLC-Q-TOF MS-Based Metabolic Analysis for the Therapeutic Efficacy of Xuebijing Injection against Sepsis-Induced Acute Lung Injury. <i>Evidence-based Complementary and Alternative Medicine</i> , 2018, 2018, 1-12.	0.5	13
193	Neutrophil membrane-coated nanoparticles inhibit synovial inflammation and alleviate joint damage in inflammatory arthritis. <i>Nature Nanotechnology</i> , 2018, 13, 1182-1190.	15.6	600
194	Plugging the Leak in Dengue Shock. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1062, 89-106.	0.8	4
195	Intravital imaging of a pulmonary endothelial surface layer in a murine sepsis model. <i>Biomedical Optics Express</i> , 2018, 9, 2383.	1.5	28
196	Neferine Protects Endothelial Glycocalyx via Mitochondrial ROS in Lipopolysaccharide-Induced Acute Respiratory Distress Syndrome. <i>Frontiers in Physiology</i> , 2018, 9, 102.	1.3	36
197	Dengue virus non-structural protein 1: a pathogenic factor, therapeutic target, and vaccine candidate. <i>Journal of Biomedical Science</i> , 2018, 25, 58.	2.6	77
198	Lung Innate Immunity and Inflammation. <i>Methods in Molecular Biology</i> , 2018, , .	0.4	2
199	Macrophage migration inhibitory factor is critical for dengue NS1-induced endothelial glycocalyx degradation and hyperpermeability. <i>PLoS Pathogens</i> , 2018, 14, e1007033.	2.1	61
200	Intravital Microscopy in the Mouse Lung. <i>Methods in Molecular Biology</i> , 2018, 1809, 331-339.	0.4	5
201	Study on expression of plasma sCD138 in patients with hemorrhagic fever with renal syndrome. <i>BMC Infectious Diseases</i> , 2018, 18, 100.	1.3	6
202	SPARC preserves endothelial glycocalyx integrity, and protects against adverse cardiac inflammation and injury during viral myocarditis. <i>Matrix Biology</i> , 2018, 74, 21-34.	1.5	22

#	ARTICLE	IF	CITATIONS
203	Application of multiplexed ion mobility spectrometry towards the identification of host protein signatures of treatment effect in pulmonary tuberculosis. <i>Tuberculosis</i> , 2018, 112, 52-61.	0.8	20
204	Glycocalyx Degradation after Pulmonary Transplantation Surgery. <i>European Surgical Research</i> , 2018, 59, 115-125.	0.6	12
205	Endothelial Glycocalyx as a Shield Against Diabetic Vascular Complications. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 1427-1439.	1.1	116
206	Preventive effect on endothelial surface layer damage of Fusu agent in LPS-induced acute lung injury in rats. <i>Molecular and Cellular Biochemistry</i> , 2019, 450, 113-123.	1.4	7
207	Vascular Endothelium in Neonatal Sepsis: Basic Mechanisms and Translational Opportunities. <i>Frontiers in Pediatrics</i> , 2019, 7, 340.	0.9	24
208	Endothelial Cell Mechano-Metabolomic Coupling to Disease States in the Lung Microvasculature. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 172.	2.0	33
209	Intravenous fluid resuscitation is associated with septic endothelial glycocalyx degradation. <i>Critical Care</i> , 2019, 23, 259.	2.5	121
210	Association of sublingual microcirculation parameters and endothelial glycocalyx dimensions in resuscitated sepsis. <i>Critical Care</i> , 2019, 23, 260.	2.5	79
211	Attenuating Pulmonary Hypertension by Protecting the Integrity of Glycocalyx in Rats Model of Pulmonary Artery Hypertension. <i>Inflammation</i> , 2019, 42, 1951-1956.	1.7	19
212	Immunotherapy: breaching the barriers for cancer treatment. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180214.	1.8	9
213	Heparanase-Dependent Remodeling of Initial Lymphatic Glycocalyx Regulates Tissue-Fluid Drainage During Acute Inflammation in vivo. <i>Frontiers in Immunology</i> , 2019, 10, 2316.	2.2	17
214	Glycocalyx breakdown is increased in African children with cerebral and uncomplicated falciparum malaria. <i>FASEB Journal</i> , 2019, 33, 14185-14193.	0.2	18
215	Loss of endothelial sulfatase-1 after experimental sepsis attenuates subsequent pulmonary inflammatory responses. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019, 317, L667-L677.	1.3	15
216	Tie2 Activation Promotes Protection and Reconstitution of the Endothelial Glycocalyx in Human Sepsis. <i>Thrombosis and Haemostasis</i> , 2019, 119, 1827-1838.	1.8	35
217	<p>Adverse outcomes after non urological surgeries in patients with chronic kidney disease: a propensity-score-matched study</p>. <i>Clinical Epidemiology</i> , 2019, Volume 11, 707-719.	1.5	2
218	Circulating heparan sulfate fragments mediate septic cognitive dysfunction. <i>Journal of Clinical Investigation</i> , 2019, 129, 1779-1784.	3.9	79
219	Endothelial Glycocalyx Shedding Occurs during Ex Vivo Lung Perfusion: A Pilot Study. <i>Journal of Transplantation</i> , 2019, 2019, 1-12.	0.3	14
220	Heparanase-2 protects from LPS-mediated endothelial injury by inhibiting TLR4 signalling. <i>Scientific Reports</i> , 2019, 9, 13591.	1.6	37

#	ARTICLE	IF	CITATIONS
221	The role of endothelial glycocalyx in health and disease. CKJ: Clinical Kidney Journal, 2019, 12, 611-619.	1.4	71
222	Chondroitin sulfate E blocks enzymatic action of heparanase and heparanase-induced cellular responses. Biochemical and Biophysical Research Communications, 2019, 520, 152-158.	1.0	7
223	The glycocalyx: a novel diagnostic and therapeutic target in sepsis. Critical Care, 2019, 23, 16.	2.5	385
224	Role of Neutrophil Extracellular Traps and Vesicles in Regulating Vascular Endothelial Permeability. Frontiers in Immunology, 2019, 10, 1037.	2.2	70
225	Organ Preservation into the 2020s: The Era of Dynamic Intervention. Transfusion Medicine and Hemotherapy, 2019, 46, 151-172.	0.7	63
226	Role of Angiotensin-2 in Vascular Physiology and Pathophysiology. Cells, 2019, 8, 471.	1.8	297
227	Neutrophil Elastase Damages the Pulmonary Endothelial Glycocalyx in Lipopolysaccharide-Induced Experimental Endotoxemia. American Journal of Pathology, 2019, 189, 1526-1535.	1.9	48
228	Thrombin-cleaved syndecan-3/-4 ectodomain fragments mediate endothelial barrier dysfunction. PLoS ONE, 2019, 14, e0214737.	1.1	31
229	Metastatic cancer cell attachment to endothelium is promoted by endothelial glycocalyx sialic acid degradation. AICHE Journal, 2019, 65, e16634.	1.8	17
230	Tissue deconjugation of urolithin A glucuronide to free urolithin A in systemic inflammation. Food and Function, 2019, 10, 3135-3141.	2.1	36
231	Leukocyte Adhesion: Reconceptualizing Chemokine Presentation by Glycosaminoglycans. Trends in Immunology, 2019, 40, 472-481.	2.9	80
232	Circulating heparin oligosaccharides rapidly target the hippocampus in sepsis, potentially impacting cognitive functions. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 9208-9213.	3.3	45
233	Endothelial barrier reinforcement relies on flow-regulated glycocalyx, a potential therapeutic target. Biorheology, 2019, 56, 131-149.	1.2	24
234	Inter- β -inhibitor Ameliorates Endothelial Inflammation in Sepsis. Lung, 2019, 197, 361-369.	1.4	30
235	Systemic LPS-induced A β -solubilization and clearance in A β PP-transgenic mice is diminished by heparanase overexpression. Scientific Reports, 2019, 9, 4600.	1.6	10
236	Endothelial Glycocalyx Shedding Predicts Donor Organ Acceptability and Is Associated With Primary Graft Dysfunction in Lung Transplant Recipients. Transplantation, 2019, 103, 1277-1285.	0.5	21
237	Glycocalyx Degradation Is Independent of Vascular Barrier Permeability Increase in Nontraumatic Hemorrhagic Shock in Rats. Anesthesia and Analgesia, 2019, 129, 598-607.	1.1	39
238	Arginine vasopressin attenuates the effects of TNF- β in aortic endothelial cells by inducing ectodomain shedding of TNF receptor 1. Biochemical and Biophysical Research Communications, 2019, 511, 780-786.	1.0	2

#	ARTICLE	IF	CITATIONS
239	Correlation between acute degradation of the endothelial glycocalyx and microcirculation dysfunction during cardiopulmonary bypass in cardiac surgery. <i>Microvascular Research</i> , 2019, 124, 37-42.	1.1	28
240	Leukocyte Heparanase: A Double-Edged Sword in Tumor Progression. <i>Frontiers in Oncology</i> , 2019, 9, 331.	1.3	25
241	Unraveling the host's immune response to infection: Seeing is believing. <i>Journal of Leukocyte Biology</i> , 2019, 106, 323-335.	1.5	10
242	Endothelial glycocalyx in acute care surgery – what anaesthesiologists need to know for clinical practice. <i>BMC Anesthesiology</i> , 2019, 19, 238.	0.7	29
243	Syndecan-1 Predicts Outcome in Patients with ST-Segment Elevation Infarction Independent from Infarct-related Myocardial Injury. <i>Scientific Reports</i> , 2019, 9, 18367.	1.6	27
244	Endothelial glycocalyx as a potential therapeutic target in organ injuries. <i>Chinese Medical Journal</i> , 2019, 132, 963-975.	0.9	42
245	Experimental cerebral malaria is associated with profound loss of both glycan and protein components of the endothelial glycocalyx. <i>FASEB Journal</i> , 2019, 33, 2058-2071.	0.2	18
246	Clinical epidemiology of infectious disease among patients with chronic kidney disease. <i>Clinical and Experimental Nephrology</i> , 2019, 23, 437-447.	0.7	94
247	Derangement of the endothelial glycocalyx in sepsis. <i>Journal of Thrombosis and Haemostasis</i> , 2019, 17, 283-294.	1.9	196
249	Neuraxial anesthesia is less harmful to the endothelial glycocalyx during elective joint surgery compared to general anesthesia. <i>Clinical Hemorheology and Microcirculation</i> , 2019, 72, 11-21.	0.9	10
250	Fluid Management in Thoracic Surgery. , 2019, , 357-373.		0
251	Intravascular heavy chain-modification of hyaluronan during endotoxic shock. <i>Biochemistry and Biophysics Reports</i> , 2019, 17, 114-121.	0.7	4
252	Selectin-Targeting Peptide – Glycosaminoglycan Conjugates Modulate Neutrophil – Endothelial Interactions. <i>Cellular and Molecular Bioengineering</i> , 2019, 12, 121-130.	1.0	9
253	Heparan sulfate as a regulator of inflammation and immunity. <i>Journal of Leukocyte Biology</i> , 2018, 105, 81-92.	1.5	80
254	Endothelial Nanomechanics in the Context of Endothelial (Dys)function and Inflammation. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 945-959.	2.5	23
255	Role of heparanase in tumor progression: Molecular aspects and therapeutic options. <i>Seminars in Cancer Biology</i> , 2020, 62, 86-98.	4.3	64
256	Symmetric dimethylarginine in dysfunctional high-density lipoprotein mediates endothelial glycocalyx breakdown in chronic kidney disease. <i>Kidney International</i> , 2020, 97, 502-515.	2.6	18
257	Microvascular Alterations During Cardiac Surgery Using a Heparin or Phosphorylcholine-Coated Circuit. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020, 34, 912-919.	0.6	14

#	ARTICLE	IF	CITATIONS
258	Glycosylation changes in inflammatory diseases. <i>Advances in Protein Chemistry and Structural Biology</i> , 2020, 119, 111-156.	1.0	31
259	<p><Current Knowledge of Vaccinations in Chronic Kidney Disease Patients</p></p>. <i>International Journal of Nephrology and Renovascular Disease</i> , 2020, Volume 13, 179-185.	0.8	19
260	Increased Plasma Heparanase Activity in COVID-19 Patients. <i>Frontiers in Immunology</i> , 2020, 11, 575047.	2.2	98
261	A metabolically engineered spin-labeling approach for studying glycans on cells. <i>Chemical Science</i> , 2020, 11, 12522-12532.	3.7	9
262	Endothelial glycocalyx damage as a systemic inflammatory microvascular endotheliopathy in COVID-19. <i>Biomedical Journal</i> , 2020, 43, 399-413.	1.4	66
263	Heparanase-enhanced Shedding of Syndecan-1 and Its Role in Driving Disease Pathogenesis and Progression. <i>Journal of Histochemistry and Cytochemistry</i> , 2020, 68, 823-840.	1.3	43
264	Assessment of sublingual microcirculation in critically ill patients: consensus and debate. <i>Annals of Translational Medicine</i> , 2020, 8, 793-793.	0.7	41
265	Harnessing nitric oxide for preventing, limiting and treating the severe pulmonary consequences of COVID-19. <i>Nitric Oxide - Biology and Chemistry</i> , 2020, 103, 4-8.	1.2	78
266	Glomerular endothelial cell heterogeneity in Alport syndrome. <i>Scientific Reports</i> , 2020, 10, 11414.	1.6	9
267	A review on the physiological and pathophysiological role of endothelial glycocalyx. <i>Journal of Biochemical and Molecular Toxicology</i> , 2020, 34, e22571.	1.4	20
268	Brain Barriers and Multiple Sclerosis: Novel Treatment Approaches from a Brain Barriers Perspective. <i>Handbook of Experimental Pharmacology</i> , 2020, , 1.	0.9	10
269	Heparanase and the hallmarks of cancer. <i>Journal of Translational Medicine</i> , 2020, 18, 453.	1.8	78
270	Pulmonary Artery Thrombosis: A Diagnosis That Strives for Its Independence. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5086.	1.8	22
271	Regulatory role of Gpr84 in the switch of alveolar macrophages from CD11b ^{lo} to CD11b ^{hi} status during lung injury process. <i>Mucosal Immunology</i> , 2020, 13, 892-907.	2.7	15
272	Science–Brief: The role of the glycocalyx in critically ill patients with reference to the horse. <i>Equine Veterinary Journal</i> , 2020, 52, 790-793.	0.9	2
273	Septic acute kidney injury: a review of basic research. <i>Clinical and Experimental Nephrology</i> , 2020, 24, 1091-1102.	0.7	9
274	Correlation of D-xylose with severity and morbidity-related factors of COVID-19 and possible therapeutic use of D-xylose and antibiotics for COVID-19. <i>Life Sciences</i> , 2020, 260, 118335.	2.0	22
275	Ischemic stroke disrupts the endothelial glycocalyx through activation of proHPSE via acrolein exposure. <i>Journal of Biological Chemistry</i> , 2020, 295, 18614-18624.	1.6	13

#	ARTICLE	IF	CITATIONS
276	Endothelial cells, neutrophils and platelets: getting to the bottom of an inflammatory triangle. <i>Open Biology</i> , 2020, 10, 200161.	1.5	26
277	The role of endothelial shear stress on haemodynamics, inflammation, coagulation and glycocalyx during sepsis. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 12258-12271.	1.6	75
278	Endothelial glycocalyx shedding in the acute respiratory distress syndrome after flu syndrome. <i>Journal of Intensive Care</i> , 2020, 8, 72.	1.3	20
279	Beneficial non-anticoagulant mechanisms underlying heparin treatment of COVID-19 patients. <i>EBioMedicine</i> , 2020, 59, 102969.	2.7	116
280	Injury to the Endothelial Glycocalyx in Critically Ill Patients with COVID-19. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 1178-1181.	2.5	89
281	Hydrogen Gas Inhalation Attenuates Endothelial Glycocalyx Damage and Stabilizes Hemodynamics in a Rat Hemorrhagic Shock Model. <i>Shock</i> , 2020, 54, 377-385.	1.0	20
282	The Endothelial Glycocalyx: A Fundamental Determinant of Vascular Permeability in Sepsis. <i>Pediatric Critical Care Medicine</i> , 2020, 21, e291-e300.	0.2	38
283	The Pathophysiology of Small Intestinal Foreign Body Obstruction and Intraoperative Assessment of Tissue Viability in Dogs: A Review. <i>Topics in Companion Animal Medicine</i> , 2020, 40, 100438.	0.4	3
284	Microvascular thrombosis: experimental and clinical implications. <i>Translational Research</i> , 2020, 225, 105-130.	2.2	62
285	Clinical differentiation of anticoagulant and non-anticoagulant properties of heparin. <i>Journal of Thrombosis and Haemostasis</i> , 2020, 18, 2424-2425.	1.9	10
286	Heparin as a therapy for COVID-19: current evidence and future possibilities. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 319, L211-L217.	1.3	151
287	Fucoidan inhibits LPS-induced acute lung injury in mice through regulating GSK-3 β -Nrf2 signaling pathway. <i>Archives of Pharmacal Research</i> , 2020, 43, 646-654.	2.7	17
288	Sirtuin 1 and endothelial glycocalyx. <i>Pflugers Archiv European Journal of Physiology</i> , 2020, 472, 991-1002.	1.3	16
289	Recombinant thrombomodulin protects against LPS-induced acute respiratory distress syndrome via preservation of pulmonary endothelial glycocalyx. <i>British Journal of Pharmacology</i> , 2020, 177, 4021-4033.	2.7	28
290	Decreased endothelial glycocalyx thickness is an early predictor of mortality in sepsis. <i>Anaesthesia and Intensive Care</i> , 2020, 48, 221-228.	0.2	34
291	The need to freeze-dehydration during specimen preparation for electron microscopy collapses the endothelial glycocalyx regardless of fixation method. <i>Microcirculation</i> , 2020, 27, e12643.	1.0	10
292	Flow-regulated endothelial glycocalyx determines metastatic cancer cell activity. <i>FASEB Journal</i> , 2020, 34, 6166-6184.	0.2	23
293	Rapid Ascent to 4559m Is Associated with Increased Plasma Components of the Vascular Endothelial Glycocalyx and May Be Associated with Acute Mountain Sickness. <i>High Altitude Medicine and Biology</i> , 2020, 21, 176-183.	0.5	7

#	ARTICLE	IF	CITATIONS
294	Blockade of interleukin-2-inducible T-cell kinase signaling attenuates acute lung injury in mice through adjustment of pulmonary Th17/Treg immune responses and reduction of oxidative stress. <i>International Immunopharmacology</i> , 2020, 83, 106369.	1.7	38
295	Endothelial Glycocalyx Layer Properties and Its Ability to Limit Leukocyte Adhesion. <i>Biophysical Journal</i> , 2020, 118, 1564-1575.	0.2	20
296	Endothelial Glycocalyx. <i>Critical Care Clinics</i> , 2020, 36, 217-232.	1.0	69
297	The Cell "Coat of Many Colors" American Journal of Pathology, 2020, 190, 728-731.	1.9	5
298	Thrombomodulin induces anti-inflammatory effects by inhibiting the rolling adhesion of leukocytes in vivo. <i>Journal of Pharmacological Sciences</i> , 2020, 143, 17-22.	1.1	3
299	hnRNPA2/B1 Ameliorates LPS-Induced Endothelial Injury through NF- κ B Pathway and VE-Cadherin/ β -Catenin Signaling Modulation In Vitro. <i>Mediators of Inflammation</i> , 2020, 2020, 1-11.	1.4	5
300	Glycocalyx damage biomarkers in healthy controls, abdominal surgery, and sepsis: a scoping review. <i>Biomarkers</i> , 2020, 25, 425-435.	0.9	7
301	The endothelial glycocalyx: Structure and function in health and critical illness. <i>Journal of Veterinary Emergency and Critical Care</i> , 2020, 30, 117-134.	0.4	43
302	Glycocalyx in Endotoxemia and Sepsis. <i>American Journal of Pathology</i> , 2020, 190, 791-798.	1.9	62
303	Nanomechanics of the Endothelial Glycocalyx. <i>American Journal of Pathology</i> , 2020, 190, 732-741.	1.9	69
304	Glycocalyx Degradation in Ischemia-Reperfusion Injury. <i>American Journal of Pathology</i> , 2020, 190, 752-767.	1.9	70
305	The Pathological Relevance of Increased Endothelial Glycocalyx Permeability. <i>American Journal of Pathology</i> , 2020, 190, 742-751.	1.9	62
306	Endothelial Glycocalyx Impairment in Disease. <i>American Journal of Pathology</i> , 2020, 190, 768-780.	1.9	104
307	MCTR1 alleviates lipopolysaccharide-induced acute lung injury by protecting lung endothelial glycocalyx. <i>Journal of Cellular Physiology</i> , 2020, 235, 7283-7294.	2.0	34
308	New insights into antiphospholipid-related endothelial dysfunction by assessment of vascular glycocalyx layer: results from a preliminary cross-sectional study. <i>Lupus</i> , 2020, 29, 157-164.	0.8	10
309	Multicolor two-photon imaging of in vivo cellular pathophysiology upon influenza virus infection using the two-photon IMPRESS. <i>Nature Protocols</i> , 2020, 15, 1041-1065.	5.5	30
310	Metformin attenuates adhesion between cancer and endothelial cells in chronic hyperglycemia by recovery of the endothelial glycocalyx barrier. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129533.	1.1	21
311	Crocini alleviates lipopolysaccharide-induced acute respiratory distress syndrome by protecting against glycocalyx damage and suppressing inflammatory signaling pathways. <i>Inflammation Research</i> , 2020, 69, 267-278.	1.6	28

#	ARTICLE	IF	CITATIONS
312	On Top of the Alveolar Epithelium: Surfactant and the Glycocalyx. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3075.	1.8	32
313	Heparin ameliorates cerebral edema and improves outcomes following status epilepticus by protecting endothelial glycocalyx in mice. <i>Experimental Neurology</i> , 2020, 330, 113320.	2.0	18
314	Alveolar heparan sulfate shedding impedes recovery from bleomycin-induced lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L1198-L1210.	1.3	23
315	HS and Inflammation: A Potential Playground for the Sulfs?. <i>Frontiers in Immunology</i> , 2020, 11, 570.	2.2	20
316	The effects of sepsis on endothelium and clinical implications. <i>Cardiovascular Research</i> , 2021, 117, 60-73.	1.8	86
317	Non-invasive evaluation of macro- and microhemodynamic changes during induction of general anesthesia – A prospective observational single-blinded trial. <i>Clinical Hemorheology and Microcirculation</i> , 2021, 77, 1-16.	0.9	6
318	Myeloperoxidase: A versatile mediator of endothelial dysfunction and therapeutic target during cardiovascular disease. , 2021, 221, 107711.		38
319	Vascular endothelial injury exacerbates coronavirus disease 2019: The role of endothelial glycocalyx protection. <i>Microcirculation</i> , 2021, 28, e12654.	1.0	64
320	Evaluation of Hypervolemia in Children. <i>Journal of Pediatric Intensive Care</i> , 2021, 10, 004-013.	0.4	1
321	Microvascular dysfunction in COVID-19: the MYSTIC study. <i>Angiogenesis</i> , 2021, 24, 145-157.	3.7	211
322	Effect of peri-operative crystalloid fluid rate on circulating hyaluronan in healthy dogs: A pilot study. <i>Veterinary Journal</i> , 2021, 267, 105578.	0.6	6
323	Changes in endothelial glycocalyx layer protective ability after inflammatory stimulus. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 320, C216-C224.	2.1	17
324	The neurovascular extracellular matrix in health and disease. <i>Experimental Biology and Medicine</i> , 2021, 246, 835-844.	1.1	11
325	Alveolar epithelial glycocalyx shedding aggravates the epithelial barrier and disrupts epithelial tight junctions in acute respiratory distress syndrome. <i>Biomedicine and Pharmacotherapy</i> , 2021, 133, 111026.	2.5	20
326	Endothelial Glycocalyx-Mediated Intercellular Interactions: Mechanisms and Implications for Atherosclerosis and Cancer Metastasis. <i>Cardiovascular Engineering and Technology</i> , 2021, 12, 72-90.	0.7	12
327	Urine and serum glycosaminoglycan levels in the diagnosis of urological diseases and conditions: A narrative review of the literature. <i>Urologia</i> , 2021, 88, 103-109.	0.3	2
328	The Glycocalyx and Its Role in Vascular Physiology and Vascular Related Diseases. <i>Cardiovascular Engineering and Technology</i> , 2021, 12, 37-71.	0.7	67
329	Neutrophil-derived heparin binding protein triggers vascular leakage and synergizes with myeloperoxidase at the early stage of severe burns (With video). <i>Burns and Trauma</i> , 2021, 9, tkab030.	2.3	6

#	ARTICLE	IF	CITATIONS
330	Investigation of the biological functions of heparan sulfate using a chemoenzymatic synthetic approach. <i>RSC Chemical Biology</i> , 2021, 2, 702-712.	2.0	16
331	The Role of Glycocalyx and Caveolae in Vascular Homeostasis and Diseases. <i>Frontiers in Physiology</i> , 2020, 11, 620840.	1.3	21
332	Hemozoin Promotes Lung Inflammation via Host Epithelial Activation. <i>MBio</i> , 2021, 12, .	1.8	2
333	Detection of Glycosaminoglycans by Polyacrylamide Gel Electrophoresis and Silver Staining. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	1
334	Angiotensin-2 outperforms other endothelial biomarkers associated with severe acute kidney injury in patients with severe sepsis and respiratory failure. <i>Critical Care</i> , 2021, 25, 48.	2.5	29
335	Investigation of oxidant/antioxidant and anti-inflammatory effects of apigenin on apoptosis in sepsis-induced rat lung. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021, 35, e22743.	1.4	18
336	The vasculature: a therapeutic target in heart failure?. <i>Cardiovascular Research</i> , 2022, 118, 53-64.	1.8	26
337	Regulatory mechanisms of neutrophil migration from the circulation to the airspace. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 4095-4124.	2.4	30
338	Pulmonary midline inhibition ameliorates sepsis induced lung injury. <i>Journal of Translational Medicine</i> , 2021, 19, 91.	1.8	11
339	Endothelial Glycocalyx as a Regulator of Fibrotic Processes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2996.	1.8	14
340	Heparin prevents caspase-11-dependent septic lethality independent of anticoagulant properties. <i>Immunity</i> , 2021, 54, 454-467.e6.	6.6	74
341	A longitudinal change of syndecan-1 predicts risk of acute respiratory distress syndrome and cumulative fluid balance in patients with septic shock: a preliminary study. <i>Journal of Intensive Care</i> , 2021, 9, 27.	1.3	4
342	Structural basis of a chemokine heterodimer binding to glycosaminoglycans. <i>Biochemical Journal</i> , 2021, 478, 1009-1021.	1.7	12
343	Heparanase expression and activity are increased in platelets during clinical sepsis. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 1319-1330.	1.9	15
344	Ruscogenin attenuates sepsis-induced acute lung injury and pulmonary endothelial barrier dysfunction via TLR4/Src/p120-catenin/VE-cadherin signalling pathway. <i>Journal of Pharmacy and Pharmacology</i> , 2021, 73, 893-900.	1.2	17
345	Inhalation of 2% Hydrogen Improves Survival Rate and Attenuates Shedding of Vascular Endothelial Glycocalyx in Rats with Heat Stroke. <i>Shock</i> , 2021, 56, 593-600.	1.0	8
346	Endothelial Heparan Sulfate Proteoglycans in Sepsis: The Role of the Glycocalyx. <i>Seminars in Thrombosis and Hemostasis</i> , 2021, 47, 274-282.	1.5	18
347	The glycocalyx: a central regulator of vascular function. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R508-R518.	0.9	46

#	ARTICLE	IF	CITATIONS
348	High molecular weight sodium hyaluronate improves survival of syndecan-1-deficient septic mice by inhibiting neutrophil migration. PLoS ONE, 2021, 16, e0250327.	1.1	3
349	Serum syndecan-1 reflects organ dysfunction in critically ill patients. Scientific Reports, 2021, 11, 8864.	1.6	17
351	Biology of the Heparanase-Heparan Sulfate Axis and Its Role in Disease Pathogenesis. Seminars in Thrombosis and Hemostasis, 2021, 47, 240-253.	1.5	16
352	Endothelial glycocalyx degradation is associated with early organ impairment in polytrauma patients. BMC Emergency Medicine, 2021, 21, 52.	0.7	7
353	Plasma syndecan-1 is associated with fluid requirements and clinical outcomes in emergency department patients with sepsis. American Journal of Emergency Medicine, 2021, 42, 83-89.	0.7	21
354	Heparanase overexpression impedes perivascular clearance of amyloid- β^2 from murine brain: relevance to Alzheimer's disease. Acta Neuropathologica Communications, 2021, 9, 84.	2.4	7
355	Patients with COVID-19: in the dark-NETs of neutrophils. Cell Death and Differentiation, 2021, 28, 3125-3139.	5.0	189
356	Accessing and Assessing the Cell-Surface Glycocalyx Using DNA Origami. Nano Letters, 2021, 21, 4765-4773.	4.5	14
357	Endothelial glycocalyx degradation and disease severity in Plasmodium vivax and Plasmodium knowlesi malaria. Scientific Reports, 2021, 11, 9741.	1.6	6
358	Endothelial glycocalyx during early reperfusion in patients undergoing cardiac surgery. PLoS ONE, 2021, 16, e0251747.	1.1	5
359	Polymerized albumin restores impaired hemodynamics in endotoxemia and polymicrobial sepsis. Scientific Reports, 2021, 11, 10834.	1.6	6
360	Exploring the mechanism of hyperpermeability following glycocalyx degradation: Beyond the glycocalyx as a structural barrier. PLoS ONE, 2021, 16, e0252416.	1.1	3
361	Endothelial glycocalyx in traumatic brain injury associated coagulopathy: potential mechanisms and impact. Journal of Neuroinflammation, 2021, 18, 134.	3.1	20
362	Early restrictive fluid resuscitation has no clinical advantage in experimental severe pediatric acute respiratory distress syndrome. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 320, L1126-L1136.	1.3	4
363	Helicobacter pylori-Induced Heparanase Promotes H. pylori Colonization and Gastritis. Frontiers in Immunology, 2021, 12, 675747.	2.2	16
364	Heparanase inhibition preserves the endothelial glycocalyx in lung grafts and improves lung preservation and transplant outcomes. Scientific Reports, 2021, 11, 12265.	1.6	9
365	Microvascular thrombosis and clinical implications. Medicina Clínica (English Edition), 2021, 156, 609-614.	0.1	0
366	Trombosis microvascular y sus implicaciones clínicas. Medicina Clínica, 2021, 156, 609-614.	0.3	4

#	ARTICLE	IF	CITATIONS
367	Validity of Urine Syndecan-1 as A Predictor of Acute Kidney Injury In Pediatric Sepsis Patients. Indonesian Journal of Anesthesiology and Reanimation, 2021, 3, 62.	0.2	0
368	Antiviral strategies should focus on stimulating the biosynthesis of heparan sulfates, not their inhibition. Life Sciences, 2021, 277, 119508.	2.0	5
369	Acute exercise-induced glycocalyx shedding does not differ between exercise modalities, but is associated with total antioxidative capacity. Journal of Science and Medicine in Sport, 2021, 24, 689-695.	0.6	7
370	The Endothelial Glycocalyx as a Double-Edged Sword in Microvascular Homeostasis and Pathogenesis. Frontiers in Cell and Developmental Biology, 2021, 9, 711003.	1.8	33
372	A Randomized, Multicenter, Open-Label, Blinded End Point, Phase 2, Feasibility, Efficacy, and Safety Trial of Preoperative Microvascular Protection in Patients Undergoing Major Abdominal Surgery. Anesthesia and Analgesia, 2021, 133, 1036-1047.	1.1	12
373	Protectin conjugates in tissue regeneration 1 restores lipopolysaccharide-induced pulmonary endothelial glycocalyx loss via ALX/SIRT1/NF-kappa B axis. Respiratory Research, 2021, 22, 193.	1.4	12
374	Current therapeutic approaches to haemostasis correction in covid-19: a systematic review. Kuban Scientific Medical Bulletin, 2021, 28, 72-84.	0.1	0
376	Elevated plasma ICAM1 levels predict 28-day mortality in cirrhotic patients with COVID-19 or bacterial sepsis. JHEP Reports, 2021, 3, 100303.	2.6	19
377	Targeting Cytokines, Pathogen-Associated Molecular Patterns, and Damage-Associated Molecular Patterns in Sepsis via Blood Purification. International Journal of Molecular Sciences, 2021, 22, 8882.	1.8	58
378	Recombinant Antithrombin Attenuates Acute Respiratory Distress Syndrome in Experimental Endotoxemia. American Journal of Pathology, 2021, 191, 1526-1536.	1.9	10
379	Roles of glomerular endothelial hyaluronan in the development of proteinuria. Physiological Reports, 2021, 9, e15019.	0.7	7
380	Circulating Syndecan-1 as a Predictor of Persistent Thrombocytopenia and Lethal Outcome: A Population Study of Patients With Suspected Sepsis Requiring Intensive Care. Frontiers in Cardiovascular Medicine, 2021, 8, 730553.	1.1	13
381	Endothelial Heparan Sulfate Mediates Hepatic Neutrophil Trafficking and Injury during Staphylococcus aureus Sepsis. MBio, 2021, 12, e0118121.	1.8	8
382	Inhibition of cell migration and invasion by ICAM-1 binding DNA aptamers. Analytical Biochemistry, 2021, 628, 114262.	1.1	8
383	Differential procoagulatory response of microvascular, arterial and venous endothelial cells upon inflammation in vitro. Thrombosis Research, 2021, 205, 70-80.	0.8	8
384	COVID-19 generates hyaluronan fragments that directly induce endothelial barrier dysfunction. JCI Insight, 2021, 6, .	2.3	57
385	Auricular Vagus Nerve Stimulation Attenuates Lipopolysaccharide-Induced Acute Lung Injury by Inhibiting Neutrophil Infiltration and Neutrophil Extracellular Traps Formation. Shock, 2022, 57, 427-434.	1.0	4
386	Identification of inflammation related lncRNAs and Gm33647 as a potential regulator in septic acute lung injury. Life Sciences, 2021, 282, 119814.	2.0	3

#	ARTICLE	IF	CITATIONS
387	Establishment and characterization of a rat intestinal microvascular endothelial cell line. <i>Tissue and Cell</i> , 2021, 72, 101573.	1.0	6
388	Research Status of Aerosol Inhalation Drugs in COVID-19 Outbreak. <i>Advances in Clinical Medicine</i> , 2021, 11, 3487-3492.	0.0	0
389	Fluid Filtration in the Microcirculation. , 2021, , 71-85.		0
390	Microcirculation: Physiological Background. , 2021, , 173-180.		0
391	Pathobiology of Pediatric Acute Respiratory Distress Syndrome. , 2020, , 19-32.		3
392	Forty Years of Basic and Translational Heparanase Research. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1221, 3-59.	0.8	48
393	Heparanase is Involved in Leukocyte Migration. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1221, 435-444.	0.8	6
394	Role of Heparanase in Macrophage Activation. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1221, 445-460.	0.8	7
395	Heparanase in Acute Kidney Injury. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1221, 685-702.	0.8	12
396	Heparanase in Acute Pancreatitis. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1221, 703-719.	0.8	3
397	Heparanase: Historical Aspects and Future Perspectives. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1221, 71-96.	0.8	26
398	Involvement of Syndecan-1 and Heparanase in Cancer and Inflammation. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1221, 97-135.	0.8	30
399	Mechanism of HPSE Gene SNPs Function: From Normal Processes to Inflammation, Cancerogenesis and Tumor Progression. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1221, 231-249.	0.8	6
400	Glycosylated Peptide Materials. <i>RSC Soft Matter</i> , 2020, , 335-362.	0.2	3
401	17 β -Estradiol Treatment Protects Lungs Against Brain Death Effects in Female Rat Donor. <i>Transplantation</i> , 2021, 105, 775-784.	0.5	4
404	COVID-19 and Oxidative Stress. <i>Biochemistry (Moscow)</i> , 2020, 85, 1543-1553.	0.7	168
405	CD36 and Fyn Kinase Mediate Malaria-Induced Lung Endothelial Barrier Dysfunction in Mice Infected with <i>Plasmodium berghei</i> . <i>PLoS ONE</i> , 2013, 8, e71010.	1.1	16
406	Blood Vessels Pattern Heparan Sulfate Gradients between Their Apical and Basolateral Aspects. <i>PLoS ONE</i> , 2014, 9, e85699.	1.1	46

#	ARTICLE	IF	CITATIONS
407	Deeper Penetration of Erythrocytes into the Endothelial Glycocalyx Is Associated with Impaired Microvascular Perfusion. PLoS ONE, 2014, 9, e96477.	1.1	140
408	Modeling Loss of Microvascular Wall Homeostasis during Glycocalyx Deterioration and Hypertension that Impacts Plasma Filtration and Solute Exchange. Current Neurovascular Research, 2016, 13, 147-155.	0.4	3
409	Neutrophil Migration Under Normal and Sepsis Conditions. Cardiovascular & Hematological Disorders Drug Targets, 2015, 15, 19-28.	0.2	69
410	Both UFH and NAH alleviate shedding of endothelial glycocalyx and coagulopathy in LPS-induced sepsis. Experimental and Therapeutic Medicine, 2020, 19, 913-922.	0.8	17
411	Helicobacter pylori infection enhances heparanase leading to cell proliferation via mitogen-activated protein kinase signalling in human gastric cancer cells. Molecular Medicine Reports, 2018, 18, 5733-5741.	1.1	9
412	Endothelial dysfunction: a therapeutic target in bacterial sepsis?. Expert Opinion on Therapeutic Targets, 2021, 25, 733-748.	1.5	12
413	The Heparanase Regulatory Network in Health and Disease. International Journal of Molecular Sciences, 2021, 22, 11096.	1.8	22
414	The Structure and Function of the Glycocalyx and Its Connection With Blood-Brain Barrier. Frontiers in Cellular Neuroscience, 2021, 15, 739699.	1.8	45
415	Fluid overload in children with pediatric acute respiratory distress syndrome: A retrospective cohort study. Pediatric Pulmonology, 2022, 57, 300-307.	1.0	6
416	Pulmonary vascular system: A vulnerable target for COVID-19. MedComm, 2021, 2, 531-547.	3.1	10
417	Renal microvascular endothelial cell responses in sepsis-induced acute kidney injury. Nature Reviews Nephrology, 2022, 18, 95-112.	4.1	53
418	Unfractionated Heparin Attenuated Histone-Induced Pulmonary Syndecan-1 Degradation in Mice: a Preliminary Study on the Roles of Heparinase Pathway. Inflammation, 2021, , 1.	1.7	1
419	Laboratory in Diagnosis and Monitoring of Systemic Inflammatory Response Syndrome or Sepsis. European Journal of Basic Medical Sciences, 2015, 5, 10-20.	0.2	0
420	Pathophysiologie. , 2016, , 39-62.		0
424	Glycocalyx and vascular permeability. Japanese Journal of Thrombosis and Hemostasis, 2019, 30, 711-718.	0.1	0
425	Ultrastructure of capillary endothelial glycocalyx. Japanese Journal of Thrombosis and Hemostasis, 2019, 30, 701-710.	0.1	0
426	Sepsis-induced damage to endothelial glycocalyx (literature review). Alexander Saltanov Intensive Care Herald, 2019, , 32-39.	0.2	4
428	Glycocalyx: a new diagnostic and therapeutic target in sepsis. Emergency Medicine, 2019, .	0.0	0

#	ARTICLE	IF	CITATIONS
429	A Morphological Basis for Microvascular Endothelial Injury Associated with Septic Organs. The Journal of Japan Society for Clinical Anesthesia, 2019, 39, 730-737.	0.0	0
430	Impaired Endothelial Glycocalyx Predicts Adverse Outcome in Subjects Without Overt Cardiovascular Disease: a 6-Year Follow-up Study. Journal of Cardiovascular Translational Research, 2022, 15, 890-902.	1.1	13
431	Heparanase Deficiency Is Associated with Disruption, Detachment, and Folding of the Retinal Pigment Epithelium. Current Eye Research, 2021, 46, 1166-1170.	0.7	6
432	COVID-19 Ի, Ի ^{3/4} Ի ^Ծ ՆԻԾ»ԻՆ, Ի _Ի Ի»ՆԻԻԻ ^{1/2} ՆԻԻ ¹ ՆՆ, ՆԻԻ _Ի ՆՆ: Biochemistry, 2020, 85, 1816-1828.	0.0	0
433	Fluid Management. , 2020, , 113-120.		0
434	Neutrophil activity in sepsis: a systematic review. Brazilian Journal of Medical and Biological Research, 2020, 53, e7851.	0.7	9
435	Elevated Plasma Levels of ICAM1 Predict Mortality in COVID-19 and Sepsis Patients with Liver Cirrhosis. SSRN Electronic Journal, 0, , .	0.4	0
436	Neutrophil-Dependent Immunity During Pulmonary Infections and Inflammations. Frontiers in Immunology, 2021, 12, 689866.	2.2	16
437	Protection and rebuilding of the endothelial glycocalyx in sepsis – Science or fiction?. Matrix Biology Plus, 2021, 12, 100091.	1.9	10
438	In vitro Studies of Transendothelial Migration for Biological and Drug Discovery. Frontiers in Medical Technology, 2020, 2, 600616.	1.3	19
439	Unfractionated heparin attenuates intestinal injury in mouse model of sepsis by inhibiting heparanase. International Journal of Clinical and Experimental Pathology, 2015, 8, 4903-12.	0.5	8
441	Investigation of Endothelial Surface Glycocalyx Components and Ultrastructure by Single Molecule Localization Microscopy: Stochastic Optical Reconstruction Microscopy (STORM). Yale Journal of Biology and Medicine, 2018, 91, 257-266.	0.2	14
442	Disease-specific glycosaminoglycan patterns in the extracellular matrix of human lung and brain. Carbohydrate Research, 2022, 511, 108480.	1.1	5
443	Endothelial glycocalyx degradation during sepsis: Causes and consequences. Matrix Biology Plus, 2021, 12, 100094.	1.9	23
444	Effects of therapeutic plasma exchange on the endothelial glycocalyx in septic shock. Intensive Care Medicine Experimental, 2021, 9, 57.	0.9	13
445	Targeting the “sweet spot” in septic shock – A perspective on the endothelial glycocalyx regulating proteins Heparanase-1 and -2. Matrix Biology Plus, 2021, 12, 100095.	1.9	18
446	Neutrophil extracellular traps are associated with altered human pulmonary artery endothelial barrier function. European Journal of Inflammation, 2021, 19, 205873922110623.	0.2	1
447	Amlodipine overdose complicated by non-cardiogenic pulmonary edema and diffuse alveolar hemorrhage: A case report. Saudi Journal of Anaesthesia, 2022, 16, 104.	0.2	2

#	ARTICLE	IF	CITATIONS
448	Association between plasma glyocalyx component levels and poor prognosis in severe influenza type A (H1N1). <i>Scientific Reports</i> , 2022, 12, 163.	1.6	4
449	Heparanase as active player in endothelial glyocalyx remodeling. <i>Matrix Biology Plus</i> , 2022, 13, 100097.	1.9	10
450	VCAM1, HMOX1 and NOS3 differential endothelial expression may impact sickle cell anemia vasculopathy. <i>Blood Cells, Molecules, and Diseases</i> , 2022, 93, 102639.	0.6	5
452	Endothelial Dysfunction after Hematopoietic Stem Cell Transplantation: A Review Based on Physiopathology. <i>Journal of Clinical Medicine</i> , 2022, 11, 623.	1.0	20
453	Role of extracellular matrix proteoglycans in immune cell recruitment. <i>International Journal of Experimental Pathology</i> , 2022, 103, 34-43.	0.6	15
454	Lung Injury and Repair in Coronavirus Disease 2019-Related Acute Lung Injury. <i>American Journal of Pathology</i> , 2022, 192, 406-409.	1.9	4
455	Tumors resurrect an embryonic vascular program to escape immunity. <i>Science Immunology</i> , 2022, 7, eabm6388.	5.6	27
456	HMGB1-Mediated Neutrophil Extracellular Trap Formation Exacerbates Intestinal Ischemia/Reperfusion-Induced Acute Lung Injury. <i>Journal of Immunology</i> , 2022, 208, 968-978.	0.4	40
457	Alveolar epithelial glyocalyx degradation mediates surfactant dysfunction and contributes to acute respiratory distress syndrome. <i>JCI Insight</i> , 2022, 7, .	2.3	24
458	Dexmedetomidine suppresses serum syndecan-1 elevation and improves survival in a rat hemorrhagic shock model. <i>Experimental Animals</i> , 2022, 71, 281-287.	0.7	4
459	Histone H4 induces heparan sulfate degradation by activating heparanase in chlorine gas-induced acute respiratory distress syndrome. <i>Respiratory Research</i> , 2022, 23, 14.	1.4	6
461	Increased capillary stalling is associated with endothelial glyocalyx loss in subcortical vascular dementia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 1383-1397.	2.4	12
462	Nitric oxide releasing nanoparticles reduce inflammation in a small animal model of ARDS. <i>Biomedicine and Pharmacotherapy</i> , 2022, 148, 112705.	2.5	3
463	Ways and Means of Cellular Reconditioning for Kidney Regeneration. <i>American Journal of Nephrology</i> , 2022, 53, 96-107.	1.4	4
464	Neonatal fluid overload-ignorance is no longer bliss. <i>Pediatric Nephrology</i> , 2023, 38, 47-60.	0.9	6
465	Endothelial glyocalyx degradation in multisystem inflammatory syndrome in children related to COVID-19. <i>Journal of Molecular Medicine</i> , 2022, 100, 735-746.	1.7	10
466	Endothelial Damage in Sepsis: The Importance of Systems Biology. <i>Frontiers in Pediatrics</i> , 2022, 10, 828968.	0.9	10
467	The SARS-CoV-2 Entry Inhibition Mechanisms of Serine Protease Inhibitors, OM-85, Heparin and Soluble HS Might Be Linked to HS Attachment Sites. <i>Molecules</i> , 2022, 27, 1947.	1.7	3

#	ARTICLE	IF	CITATIONS
468	Neutrophil-vascular interactions drive myeloperoxidase accumulation in the brain in Alzheimer's disease. <i>Acta Neuropathologica Communications</i> , 2022, 10, 38.	2.4	42
469	Pericyte Loss Leads to Capillary Stalling Through Increased Leukocyte-Endothelial Cell Interaction in the Brain. <i>Frontiers in Cellular Neuroscience</i> , 2022, 16, 848764.	1.8	15
470	Emodin relieves the inflammation and pyroptosis of lipopolysaccharide-treated 1321N1 cells by regulating methyltransferase-like 3-mediated NLR family pyrin domain containing 3 expression. <i>Bioengineered</i> , 2022, 13, 6739-6748.	1.4	17
471	The Blood-Brain Barrier: A Key Player in Multiple Sclerosis Disease Mechanisms. <i>Biomolecules</i> , 2022, 12, 538.	1.8	10
472	Anti-inflammatory effects of a SERP 30 polysaccharide from the residue of <i>Sarcandra glabra</i> against lipopolysaccharide-induced acute respiratory distress syndrome in mice. <i>Journal of Ethnopharmacology</i> , 2022, 293, 115262.	2.0	4
473	The role of the cell surface glycocalyx in drug delivery to and through the endothelium. <i>Advanced Drug Delivery Reviews</i> , 2022, 184, 114195.	6.6	12
474	Protective effect and mechanism of loganin and morroniside on acute lung injury and pulmonary fibrosis. <i>Phytomedicine</i> , 2022, 99, 154030.	2.3	11
475	Targeting repair of the vascular endothelium and glycocalyx after traumatic injury with plasma and platelet resuscitation. <i>Matrix Biology Plus</i> , 2022, 14, 100107.	1.9	10
476	Increased Plasma Heparanase Activity and Endothelial Glycocalyx Degradation in Dengue Patients Is Associated With Plasma Leakage. <i>Frontiers in Immunology</i> , 2021, 12, 759570.	2.2	2
477	Clotting Dysfunction in Sepsis: A Role for ROS and Potential for Therapeutic Intervention. <i>Antioxidants</i> , 2022, 11, 88.	2.2	15
478	Role of heparinase in the gastrointestinal dysfunction of sepsis (Review). <i>Experimental and Therapeutic Medicine</i> , 2021, 23, 119.	0.8	1
479	Recent Advances in Bedside Device-Based Early Detection of Sepsis. <i>Journal of Intensive Care Medicine</i> , 2022, 37, 849-856.	1.3	2
480	The Role of Heparin and Glycocalyx in Blood-Brain Barrier Dysfunction. <i>Frontiers in Immunology</i> , 2021, 12, 754141.	2.2	12
481	Heparanase Blockade as a Novel Dual-Targeting Therapy for COVID-19. <i>Journal of Virology</i> , 2022, 96, e0005722.	1.5	14
482	Form follows function: The endothelial glycocalyx. <i>Translational Research</i> , 2022, 247, 158-167.	2.2	22
485	Platelet Versus Megakaryocyte: Who Is the Real Bandleader of Thromboinflammation in Sepsis?. <i>Cells</i> , 2022, 11, 1507.	1.8	8
486	Specific Components Associated With the Endothelial Glycocalyx Are Lost From Brain Capillaries in Cerebral Malaria. <i>Journal of Infectious Diseases</i> , 2022, 226, 1470-1479.	1.9	2
487	Upregulation of FOXO1 contributes to lipopolysaccharide-induced pulmonary endothelial injury by induction of autophagy. <i>Annals of Translational Medicine</i> , 2022, 10, 630-630.	0.7	6

#	ARTICLE	IF	CITATIONS
488	Pathophysiology in patients with polytrauma. <i>Injury</i> , 2022, 53, 2400-2412.	0.7	23
489	Horizons of Heparin Therapy in COVID-19 and Pandemic-Related Diseases. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2022, 58, 523-534.	0.2	0
490	Usefulness of Serum Biomarkers of Endothelial Glycocalyx Damage in Prognosis of Decompensated Patients with Heart Failure with Reduced Ejection Fraction. <i>American Journal of Cardiology</i> , 2022, 176, 73-78.	0.7	3
491	Endothelial Activation and Microcirculatory Disorders in Sepsis. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	14
492	The microvascular endothelial glycocalyx: An additional piece of the puzzle in veterinary medicine. <i>Veterinary Journal</i> , 2022, 285, 105843.	0.6	5
493	Biomarkers of Glycocalyx Injury and Endothelial Activation are Associated with Clinical Outcomes in Patients with Sepsis: A Systematic Review and Meta-Analysis. <i>Journal of Intensive Care Medicine</i> , 2023, 38, 95-105.	1.3	18
494	Heparanase Is a Putative Mediator of Endothelial Glycocalyx Damage in COVID-19 – A Proof-of-Concept Study. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	5
495	Angiotensin-2 Inhibition of Thrombomodulin-Mediated Anticoagulation – A Novel Mechanism That May Contribute to Hypercoagulation in Critically Ill COVID-19 Patients. <i>Biomedicines</i> , 2022, 10, 1333.	1.4	11
496	Novel aspects of sepsis pathophysiology: NETs, plasma glycoproteins, endotheliopathy and COVID-19. <i>Journal of Pharmacological Sciences</i> , 2022, 150, 9-20.	1.1	7
497	Role of Heparanase in Pulmonary Arterial Hypertension. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
499	Pathological role of the calcium-sensing receptor in sepsis-induced hypotensive shock: Therapeutic possibilities and unanswered questions. <i>Drug Development Research</i> , 2022, 83, 1241-1245.	1.4	3
500	Glycocalyx heparan sulfate cleavage promotes endothelial cell angiotensin-2 expression by impairing shear stress-related AMPK/FoxO1 signaling. <i>JCI Insight</i> , 2022, 7, .	2.3	9
501	A Barrier to Defend - Models of Pulmonary Barrier to Study Acute Inflammatory Diseases. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	7
502	Plasma syndecan-1 concentration as a biomarker for endothelial glycocalyx degradation in septic adult horses. <i>Equine Veterinary Journal</i> , 2023, 55, 456-462.	0.9	0
504	Intracellular communication and immunothrombosis in sepsis. <i>Journal of Thrombosis and Haemostasis</i> , 2022, 20, 2475-2484.	1.9	22
507	Therapeutic Mechanism and Key Active Ingredients of Shenfu Injection in Sepsis: A Network Pharmacology and Molecular Docking Approach. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-14.	0.5	1
508	Endothelial Glycocalyx Morphology in Different Flow Regions of the Aqueous Outflow Pathway of Normal and Laser-Induced Glaucoma Monkey Eyes. <i>Cells</i> , 2022, 11, 2452.	1.8	3
509	Haematological Traits in Symptomatic and Asymptomatic COVID-19 Positive Patients for Predicting Severity and Hospitalization. <i>Journal of Blood Medicine</i> , 0, Volume 13, 447-459.	0.7	0

#	ARTICLE	IF	CITATIONS
510	Acute respiratory distress syndrome: causes, pathophysiology, and phenotypes. <i>Lancet</i> , The, 2022, 400, 1145-1156.	6.3	129
511	Alterations in heparan sulfate proteoglycan synthesis and sulfation and the impact on vascular endothelial function. <i>Matrix Biology Plus</i> , 2022, 16, 100121.	1.9	12
512	The importance of lung microenvironment. , 2022, , 37-48.		0
513	Aminoglycoside-mimicking carbonized polymer dots for bacteremia treatment. <i>Nanoscale</i> , 2022, 14, 11719-11730.	2.8	5
514	The glycocalyx as a permeability barrier: basic science and clinical evidence. <i>Critical Care</i> , 2022, 26, .	2.5	19
515	New Insights into the Alveolar Epithelium as a Driver of Acute Respiratory Distress Syndrome. <i>Biomolecules</i> , 2022, 12, 1273.	1.8	9
516	Complement and endothelial cell activation in COVID-19 patients compared to controls with suspected SARS-CoV-2 infection: A prospective cohort study. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	11
517	Biomarkers for the Prediction and Judgement of Sepsis and Sepsis Complications: A Step towards precision medicine?. <i>Journal of Clinical Medicine</i> , 2022, 11, 5782.	1.0	7
518	Heparanase: A Novel Therapeutic Target for the Treatment of Atherosclerosis. <i>Cells</i> , 2022, 11, 3198.	1.8	10
519	Remarkable sex-specific differences at single-cell resolution in neonatal hyperoxic lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2023, 324, L5-L31.	1.3	5
520	Non-Canonical Functions of Myeloperoxidase in Immune Regulation, Tissue Inflammation and Cancer. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12250.	1.8	8
521	Glycocalyx degradation and the endotheliopathy of viral infection. <i>PLoS ONE</i> , 2022, 17, e0276232.	1.1	2
522	Biological Effects of Intravenous Vitamin C on Neutrophil Extracellular Traps and the Endothelial Glycocalyx in Patients with Sepsis-Induced ARDS. <i>Nutrients</i> , 2022, 14, 4415.	1.7	12
523	HIF1A-dependent induction of alveolar epithelial PFKFB3 dampens acute lung injury. <i>JCI Insight</i> , 2022, 7, .	2.3	12
524	Rhamnan sulfate reduces atherosclerotic plaque formation and vascular inflammation. <i>Biomaterials</i> , 2022, 291, 121865.	5.7	6
525	The mechanism underlying ICAM-1 and E-selectin-mediated hypertriglyceridemic pancreatitis-associated lung injury. <i>Molecular Immunology</i> , 2022, 152, 55-66.	1.0	2
526	Xuebijing Administration Alleviates Pulmonary Endothelial Inflammation and Coagulation Dysregulation in the Early Phase of Sepsis in Rats. <i>Journal of Clinical Medicine</i> , 2022, 11, 6696.	1.0	6
527	Circulating hyaluronic acid signature in CAP and ARDS – the role of pneumolysin in hyaluronic acid shedding. <i>Matrix Biology</i> , 2022, 114, 67-83.	1.5	5

#	ARTICLE	IF	CITATIONS
528	Variability of microcirculatory measurements in healthy volunteers. <i>Scientific Reports</i> , 2022, 12, .	1.6	2
529	PLD2 deletion alleviates disruption of tight junctions in sepsis-induced ALI by regulating PA/STAT3 phosphorylation pathway. <i>International Immunopharmacology</i> , 2023, 114, 109561.	1.7	1
530	HIGH HEPARANASE LEVEL IN SURVIVORS OF COVID-19 â€” INDICATOR OF VASCULAR AND PULMONARY RECOVERY?. <i>Shock</i> , 2022, 58, 514-523.	1.0	1
532	Effects of Highly Pathogenic Porcine Reproductive and Respiratory Syndrome Virus Infection on the Surface Glycoprofiling of Porcine Pulmonary Microvascular Endothelial Cells. <i>Viruses</i> , 2022, 14, 2569.	1.5	3
533	A Supraceliac Aortic Cross Clamping Model to Explore Remote Lung Injury and the Endothelial Glycocalyx. <i>Annals of Vascular Surgery</i> , 2022, , .	0.4	1
534	Endothelial glycocalyx in hepatopulmonary syndrome: An indispensable player mediating vascular changes. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	0
535	Syndecan 1 may slow the progression of subclinical atherosclerosis in patients with ankylosing spondylitis. <i>Clinical and Experimental Hypertension</i> , 2023, 45, .	0.5	2
537	Exploring the pathophysiological mechanism of interstitial edema focusing on the role of macrophages and their interaction with the glycocalyx. <i>Journal of Oral Biosciences</i> , 2023, 65, 111-118.	0.8	2
538	Neutrophil, neutrophil extracellular traps and endothelial cell dysfunction in sepsis. <i>Clinical and Translational Medicine</i> , 2023, 13, .	1.7	43
539	Gemcitabine alters sialic acid binding of the glycocalyx and induces inflammatory cytokine production in cultured endothelial cells. <i>Medical Molecular Morphology</i> , 0, , .	0.4	1
540	Using heparan sulfate octadecasaccharide (18-mer) as a multi-target agent to protect against sepsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	8
541	The Endothelial Glycocalyx and Neonatal Sepsis. <i>International Journal of Molecular Sciences</i> , 2023, 24, 364.	1.8	4
542	GPR109A controls neutrophil extracellular traps formation and improve early sepsis by regulating ROS/PAD4/Cit-H3 signal axis. <i>Experimental Hematology and Oncology</i> , 2023, 12, .	2.0	4
543	Endothelial Damage Arising From High Salt Hypertension Is Elucidated by Vascular Bed Systematic Profiling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2023, 43, 427-442.	1.1	7
544	The role of the alveolar epithelial glycocalyx in acute respiratory distress syndrome. <i>American Journal of Physiology - Cell Physiology</i> , 2023, 324, C799-C806.	2.1	4
545	Chemical mimetics of the N-degron pathway alleviate systemic inflammation by activating mitophagy and immunometabolic remodeling. <i>Experimental and Molecular Medicine</i> , 2023, 55, 333-346.	3.2	4
546	Protectin DX Relieve Hyperoxiaâ€”induced Lung Injury by Protecting Pulmonary Endothelial Glycocalyx. <i>Journal of Inflammation Research</i> , 0, Volume 16, 421-431.	1.6	1
547	Release of extracellular superoxide dismutase into alveolar fluid protects against acute lung injury and inflammation in <i>Staphylococcus aureus</i> pneumonia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2023, 324, L445-L455.	1.3	3

#	ARTICLE	IF	CITATIONS
548	Heparin, Heparan Sulphate and Sepsis: Potential New Options for Treatment. <i>Pharmaceuticals</i> , 2023, 16, 271.	1.7	1
549	Heparan sulfates and heparan sulfate binding proteins in sepsis. <i>Frontiers in Molecular Biosciences</i> , 0, 10, .	1.6	4
550	Pharmacology of Heparin and Related Drugs: An Update. <i>Pharmacological Reviews</i> , 2023, 75, 328-379.	7.1	16
551	The extracellular matrix and the immune system: A mutually dependent relationship. <i>Science</i> , 2023, 379, .	6.0	73
552	ICAMs are dispensable for influenza clearance and anti-viral humoral and cellular immunity. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	1
553	Pathophysiology of Sepsis. , 2023, , 17-28.		0
554	The role of hyaluronan in endothelial glycocalyx and potential preventative lifestyle strategy with advancing age. <i>Current Topics in Membranes</i> , 2023, , 139-156.	0.5	0
555	The effects of female sexual hormones on the endothelial glycocalyx. <i>Current Topics in Membranes</i> , 2023, , 89-137.	0.5	1
556	An IGFBP7 ^{hi} endothelial cell subset drives T cell extravasation in psoriasis via endothelial glycocalyx degradation. <i>Journal of Clinical Investigation</i> , 2023, 133, .	3.9	10
557	Serum syndecan-1 concentration in hemolysis, elevated liver enzymes, and low platelets syndrome: A case report. <i>Frontiers in Medicine</i> , 0, 10, .	1.2	1
558	Heparanase Modulates Chromatin Accessibility. <i>Cells</i> , 2023, 12, 891.	1.8	1
559	Endothelial glycocalyx in retina, hyperglycemia, and diabetic retinopathy. <i>American Journal of Physiology - Cell Physiology</i> , 2023, 324, C1061-C1077.	2.1	3
560	The Regulation of Neutrophil Migration in Patients with Sepsis: The Complexity of the Molecular Mechanisms and Their Modulation in Sepsis and the Heterogeneity of Sepsis Patients. <i>Cells</i> , 2023, 12, 1003.	1.8	1
561	Interferon- β alleviates sepsis by SIRT1-mediated blockage of endothelial glycocalyx shedding. <i>BMB Reports</i> , 2023, , .	1.1	1
562	Identification of potential biomarkers and pathways for sepsis using RNA sequencing technology and bioinformatic analysis. <i>Heliyon</i> , 2023, 9, e15034.	1.4	3
563	Neutrophil-Membrane-Coated Biomaterialized Metal-Organic Framework Nanoparticles for Atherosclerosis Treatment by Targeting Gene Silencing. <i>ACS Nano</i> , 2023, 17, 7721-7732.	7.3	10
584	The genesis of cardiovascular risk in inflammatory arthritis: insights into glycocalyx shedding, endothelial dysfunction, and atherosclerosis initiation. <i>Clinical Rheumatology</i> , 2023, 42, 2541-2555.	1.0	3
609	Emerging treatments in graft reconditioning beyond machine perfusion. , 2024, , 187-231.		0

#	ARTICLE	IF	CITATIONS
---	---------	----	-----------