

Host DNases prevent vascular occlusion by neutrophil

Science

358, 1202-1206

DOI: [10.1126/science.aam8897](https://doi.org/10.1126/science.aam8897)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Escaping the traps of your own hunters. <i>Science</i> , 2017, 358, 1126-1127.	6.0	3
2	Association of NOX2 subunits genetic variants with autoimmune diseases. <i>Free Radical Biology and Medicine</i> , 2018, 125, 72-80.	1.3	53
3	Neutrophils as effectors of vascular inflammation. <i>European Journal of Clinical Investigation</i> , 2018, 48, e12940.	1.7	41
4	Regulation of immune cell signaling by activated protein C. <i>Journal of Leukocyte Biology</i> , 2018, 103, 1197-1203.	1.5	14
5	Rapid Biophysical Analysis of Host Immune Cell Variations Associated with Sepsis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 280-282.	2.5	23
6	Review: Cell Death, Nucleic Acids, and Immunity. <i>Arthritis and Rheumatology</i> , 2018, 70, 805-816.	2.9	64
7	DNases prevent clots formed by neutrophil extracellular traps. <i>Nature Reviews Cardiology</i> , 2018, 15, 69-69.	6.1	3
8	What a drag: necrotic platelets induce remote neutrophil thrombi following ischemic gut injury. <i>Journal of Thrombosis and Haemostasis</i> , 2018, 16, 819-821.	1.9	0
9	Neutrophil Extracellular Traps: The Biology of Chromatin Externalization. <i>Developmental Cell</i> , 2018, 44, 542-553.	3.1	250
10	Cardiovascular Disease: An Introduction. <i>Biomathematical and Biomechanical Modeling of the Circulatory and Ventilatory Systems</i> , 2018, , 1-90.	0.1	20
11	Deoxyribonuclease I Activity, Cell-Free DNA, and Risk of Liver Cancer in a Prospective Cohort. <i>JNCI Cancer Spectrum</i> , 2018, 2, pky083.	1.4	10
13	Platelet Signaling in Primary Haemostasis and Arterial Thrombus Formation: Part 2. <i>Hamostaseologie</i> , 2018, 38, 211-222.	0.9	17
14	Microfluidic Assay Measures Increased Neutrophil Extracellular Traps Circulating in Blood after Burn Injuries. <i>Scientific Reports</i> , 2018, 8, 16983.	1.6	18
15	Burning controversies in NETs and autoimmunity: The mysteries of cell death and autoimmune disease. <i>Autoimmunity</i> , 2018, 51, 267-280.	1.2	11
16	Neutrophils: New insights and open questions. <i>Science Immunology</i> , 2018, 3, .	5.6	348
17	DNA as a self-antigen: nature and regulation. <i>Current Opinion in Immunology</i> , 2018, 55, 31-37.	2.4	30
18	Autoimmune, rheumatic, chronic inflammatory diseases: Neutrophil extracellular traps on parade. <i>Autoimmunity</i> , 2018, 51, 281-287.	1.2	19
19	Inert Coats of Magnetic Nanoparticles Prevent Formation of Occlusive Intravascular Co-aggregates With Neutrophil Extracellular Traps. <i>Frontiers in Immunology</i> , 2018, 9, 2266.	2.2	29

#	ARTICLE	IF	CITATIONS
20	Clot Pathophysiology. <i>Neuroimaging Clinics of North America</i> , 2018, 28, 611-623.	0.5	25
21	Elevated Plasma Levels of Cell-Free DNA During Liver Transplantation Are Associated With Activation of Coagulation. <i>Liver Transplantation</i> , 2018, 24, 1716-1725.	1.3	34
22	A Pad 4 Plaque Erosion. <i>Circulation Research</i> , 2018, 123, 6-8.	2.0	6
23	Activated platelets induce MLKL-driven neutrophil necroptosis and release of neutrophil extracellular traps in venous thrombosis. <i>Cell Death Discovery</i> , 2018, 4, 6.	2.0	52
24	The role of neutrophil extracellular traps in rheumatic diseases. <i>Nature Reviews Rheumatology</i> , 2018, 14, 467-475.	3.5	175
25	Start a fire, kill the bug: The role of platelets in inflammation and infection. <i>Innate Immunity</i> , 2018, 24, 335-348.	1.1	99
26	Estrogen Action in the Epithelial Cells of the Mouse Vagina Regulates Neutrophil Infiltration and Vaginal Tissue Integrity. <i>Scientific Reports</i> , 2018, 8, 11247.	1.6	46
27	Peptidylarginine deiminase 4: a nuclear button triggering neutrophil extracellular traps in inflammatory diseases and aging. <i>FASEB Journal</i> , 2018, 32, 6258-6370.	0.2	93
28	Cytokines, Adhesion Molecules, and Matrix Metalloproteases as Predisposing, Diagnostic, and Prognostic Factors in Venous Thrombosis. <i>Frontiers in Medicine</i> , 2018, 5, 147.	1.2	42
29	The Neutrophil's Choice: Phagocytose vs Make Neutrophil Extracellular Traps. <i>Frontiers in Immunology</i> , 2018, 9, 288.	2.2	177
30	CD177-mediated nanoparticle targeting of human and mouse neutrophils. <i>PLoS ONE</i> , 2018, 13, e0200444.	1.1	24
31	NEC is likely a NETs dependent process and markers of NETosis are predictive of NEC in mice and humans. <i>Scientific Reports</i> , 2018, 8, 12612.	1.6	37
32	Trapped Chromatin Fibers Damage Flowing Red Blood Cells. <i>Advanced Biology</i> , 2018, 2, 1800040.	3.0	2
33	Anti- β_2 GPI/ β_2 GPI induces neutrophil extracellular traps formation to promote thrombogenesis via the TLR4/MyD88/MAPKs axis activation. <i>Neuropharmacology</i> , 2018, 138, 140-150.	2.0	36
34	Neutrophil Extracellular Traps in the Second Decade. <i>Journal of Innate Immunity</i> , 2018, 10, 414-421.	1.8	220
35	Extracellular DNA NET-Works With Dire Consequences for Health. <i>Circulation Research</i> , 2019, 125, 470-488.	2.0	120
36	Platelets in Sepsis: An Update on Experimental Models and Clinical Data. <i>Frontiers in Immunology</i> , 2019, 10, 1687.	2.2	159
37	Networks that stop the flow: A fresh look at fibrin and neutrophil extracellular traps. <i>Thrombosis Research</i> , 2019, 182, 1-11.	0.8	34

#	ARTICLE	IF	CITATIONS
38	Neutrophil extracellular traps promote cadmium chloride-induced lung injury in mice. <i>Environmental Pollution</i> , 2019, 254, 113021.	3.7	27
39	Neutrophil extracellular traps and fibrocytes in ST-segment elevation myocardial infarction. <i>Basic Research in Cardiology</i> , 2019, 114, 33.	2.5	60
40	Neutrophil Extracellular Traps. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 1724-1738.	1.1	261
41	Platelet-Neutrophil Interplay: Insights Into Neutrophil Extracellular Trap (NET)-Driven Coagulation in Infection. <i>Frontiers in Cardiovascular Medicine</i> , 2019, 6, 85.	1.1	135
42	Self-DNA at the Epicenter of SLE: Immunogenic Forms, Regulation, and Effects. <i>Frontiers in Immunology</i> , 2019, 10, 1601.	2.2	33
43	Cell-Free Nucleic Acids and their Emerging Role in the Pathogenesis and Clinical Management of Inflammatory Bowel Disease. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3662.	1.8	32
44	Nano-bio interactions: a neutrophil-centric view. <i>Cell Death and Disease</i> , 2019, 10, 569.	2.7	64
45	Cell-free DNA in blood circulation is generated by DNase1L3 and caspase-activated DNase. <i>Biochemical and Biophysical Research Communications</i> , 2019, 516, 790-795.	1.0	23
46	Illustrated State-of-the-Art Capsules of the ISTH 2019 Congress in Melbourne, Australia. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2019, 3, 431-497.	1.0	11
47	Neutrophil extracellular traps drive inflammatory pathogenesis in malaria. <i>Science Immunology</i> , 2019, 4, .	5.6	108
48	Neutrophil extracellular traps and monocyte subsets at the culprit lesion site of myocardial infarction patients. <i>Scientific Reports</i> , 2019, 9, 16304.	1.6	31
49	Platelets and Intravascular Immunity: Guardians of the Vascular Space During Bloodstream Infections and Sepsis. <i>Frontiers in Immunology</i> , 2019, 10, 2400.	2.2	34
50	Understanding Infection-Induced Thrombosis: Lessons Learned From Animal Models. <i>Frontiers in Immunology</i> , 2019, 10, 2569.	2.2	114
51	Towards a pro-resolving concept in systemic lupus erythematosus. <i>Seminars in Immunopathology</i> , 2019, 41, 681-697.	2.8	13
52	Fluorescent activity-based probe for the selective detection of Factor VII activating protease (FSAP) in human plasma. <i>Thrombosis Research</i> , 2019, 182, 124-132.	0.8	10
53	Blue and Long-Wave Ultraviolet Light Induce in vitro Neutrophil Extracellular Trap (NET) Formation. <i>Frontiers in Immunology</i> , 2019, 10, 2428.	2.2	26
54	Misunderstandings Between Platelets and Neutrophils Build in Chronic Inflammation. <i>Frontiers in Immunology</i> , 2019, 10, 2491.	2.2	24
55	NLRP3 activation induced by neutrophil extracellular traps sustains inflammatory response in the diabetic wound. <i>Clinical Science</i> , 2019, 133, 565-582.	1.8	112

#	ARTICLE	IF	CITATIONS
56	Sex, Age, and Bodyweight as Determinants of Extracellular DNA in the Plasma of Mice: A Cross-Sectional Study. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4163.	1.8	10
57	Intra- and Extracellular Degradation of Neutrophil Extracellular Traps by Macrophages and Dendritic Cells. <i>Journal of Immunology</i> , 2019, 203, 2276-2290.	0.4	79
58	Degradation of Extracellular DNA Significantly Ameliorates Necrotizing Enterocolitis Severity in Mice. <i>Journal of Surgical Research</i> , 2019, 235, 513-520.	0.8	17
59	Whole-genome sequencing identifies complex contributions to genetic risk by variants in genes causing monogenic systemic lupus erythematosus. <i>Human Genetics</i> , 2019, 138, 141-150.	1.8	63
60	PAD4-dependent NETs generation are indispensable for intestinal clearance of <i>Citrobacter rodentium</i> . <i>Mucosal Immunology</i> , 2019, 12, 761-771.	2.7	44
61	Fibrin Modulates Shear-Induced NETosis in Sterile Occlusive Thrombi Formed under Haemodynamic Flow. <i>Thrombosis and Haemostasis</i> , 2019, 119, 586-593.	1.8	17
62	Extracellular DNA traps in inflammation, injury and healing. <i>Nature Reviews Nephrology</i> , 2019, 15, 559-575.	4.1	129
63	Biological Roles of Neutrophil-Derived Granule Proteins and Cytokines. <i>Trends in Immunology</i> , 2019, 40, 648-664.	2.9	145
64	Recombinant Human Deoxyribonuclease I. , 2019, , 471-488.		14
65	Neutrophils and NETs in modulating acute and chronic inflammation. <i>Blood</i> , 2019, 133, 2178-2185.	0.6	404
66	Neutrophils: back in the thrombosis spotlight. <i>Blood</i> , 2019, 133, 2186-2197.	0.6	107
67	Advances in understanding the molecular mechanisms of venous thrombosis. <i>British Journal of Haematology</i> , 2019, 186, 13-23.	1.2	31
68	Early Dynamics of Plasma Dna in a Mouse Model of Sepsis. <i>Shock</i> , 2019, 52, 257-263.	1.0	11
69	Progression of Cystic Fibrosis Lung Disease from Childhood to Adulthood: Neutrophils, Neutrophil Extracellular Trap (NET) Formation, and NET Degradation. <i>Genes</i> , 2019, 10, 183.	1.0	65
70	How we manage haemostasis during sepsis. <i>British Journal of Haematology</i> , 2019, 185, 209-218.	1.2	19
71	Inflammation in deep vein thrombosis: a therapeutic target?. <i>Hematology</i> , 2019, 24, 742-750.	0.7	34
72	SP-D attenuates LPS-induced formation of human neutrophil extracellular traps (NETs), protecting pulmonary surfactant inactivation by NETs. <i>Communications Biology</i> , 2019, 2, 470.	2.0	33
73	Updates on NET formation in health and disease. <i>Seminars in Arthritis and Rheumatism</i> , 2019, 49, S43-S48.	1.6	13

#	ARTICLE	IF	CITATIONS
74	Platelet-neutrophil crosstalk and netosis. <i>HemaSphere</i> , 2019, 3, 89-91.	1.2	11
75	Unexpected role of natural killer cell-derived interferon- β as a driver of NETosis and DVT. <i>Journal of Thrombosis and Haemostasis</i> , 2019, 17, 400-402.	1.9	3
76	<i>Dnase113</i> deletion causes aberrations in length and end-motif frequencies in plasma DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 641-649.	3.3	134
77	The clinical consequences of neutrophil priming. <i>Current Opinion in Hematology</i> , 2019, 26, 22-27.	1.2	10
78	To NET or not to NET: current opinions and state of the science regarding the formation of neutrophil extracellular traps. <i>Cell Death and Differentiation</i> , 2019, 26, 395-408.	5.0	295
79	Neutrophil Extracellular Traps in Arterial and Venous Thrombosis. <i>Seminars in Thrombosis and Hemostasis</i> , 2019, 45, 086-093.	1.5	183
80	Under crossfire: thromboembolic risk in systemic lupus erythematosus. <i>Rheumatology</i> , 2019, 58, 940-952.	0.9	19
81	Computational Analysis Supports IL-17A as a Central Driver of Neutrophil Extracellular Trap-Mediated Injury in Liver Ischemia Reperfusion. <i>Journal of Immunology</i> , 2019, 202, 268-277.	0.4	25
82	NETosis, complement, and coagulation: a triangular relationship. <i>Cellular and Molecular Immunology</i> , 2019, 16, 19-27.	4.8	284
83	Neutrophils and neutrophil extracellular traps enhance venous thrombosis in mice bearing human pancreatic tumors. <i>Haematologica</i> , 2020, 105, 218-225.	1.7	117
84	Neutrophil proteases degrade autoepitopes of NET-associated proteins. <i>Clinical and Experimental Immunology</i> , 2019, 199, 1-8.	1.1	18
85	The diagnostic roles of neutrophil in bloodstream infections. <i>Immunobiology</i> , 2020, 225, 151858.	0.8	11
86	Neutrophil Extracellular Traps and Liver Disease. <i>Seminars in Liver Disease</i> , 2020, 40, 171-179.	1.8	35
87	Programmed "disarming" of the neutrophil proteome reduces the magnitude of inflammation. <i>Nature Immunology</i> , 2020, 21, 135-144.	7.0	180
88	Role of Neutrophil Extracellular Traps Regarding Patients at Risk of Increased Disease Activity and Cardiovascular Comorbidity in Systemic Lupus Erythematosus. <i>Journal of Rheumatology</i> , 2020, 47, 1652-1660.	1.0	42
89	Casting A Wide Net On Surgery. <i>Annals of Surgery</i> , 2020, 272, 277-283.	2.1	15
90	Platelets as key players in inflammation and infection. <i>Current Opinion in Hematology</i> , 2020, 27, 34-40.	1.2	39
91	Elevated Plasma Levels of Cell-Free DNA During Liver Transplantation Are Associated With Activation of Coagulation. <i>Liver Transplantation</i> , 2020, 26, 602-603.	1.3	1

#	ARTICLE	IF	CITATIONS
92	Periodontal therapy increases neutrophil extracellular trap degradation. <i>Innate Immunity</i> , 2020, 26, 331-340.	1.1	6
93	Early intravenous administration of tranexamic acid ameliorates intestinal barrier injury induced by neutrophil extracellular traps in a rat model of trauma/hemorrhagic shock. <i>Surgery</i> , 2020, 167, 340-351.	1.0	24
94	Early neutrophil infiltration is critical for inflammation-sensitized hypoxic-ischemic brain injury in newborns. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 2188-2200.	2.4	28
95	Coagulopathy and thromboembolic events in patients with SARS-CoV-2 infection: pathogenesis and management strategies. <i>Annals of Hematology</i> , 2020, 99, 1953-1965.	0.8	54
96	Effects of Gasdermin D in Modulating Murine Lupus and its Associated Organ Damage. <i>Arthritis and Rheumatology</i> , 2020, 72, 2118-2129.	2.9	19
97	Deoxyribonucleases and Their Applications in Biomedicine. <i>Biomolecules</i> , 2020, 10, 1036.	1.8	56
98	Coagulation Abnormalities and Thrombosis in Patients Infected With SARS-CoV-2 and Other Pandemic Viruses. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 2033-2044.	1.1	144
99	Neutrophil Extracellular Trap Degradation by Differently Polarized Macrophage Subsets. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 2265-2278.	1.1	54
100	Fibrinogen protects neutrophils from the cytotoxic effects of histones and delays neutrophil extracellular trap formation induced by ionomycin. <i>Scientific Reports</i> , 2020, 10, 11694.	1.6	23
101	Neutrophil Extracellular Traps: Signaling Properties and Disease Relevance. <i>Mediators of Inflammation</i> , 2020, 2020, 1-14.	1.4	47
102	Role of Bacterial and Host DNases on Host-Pathogen Interaction during <i>Streptococcus suis</i> Meningitis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5289.	1.8	20
103	Vascular occlusion by neutrophil extracellular traps in COVID-19. <i>EBioMedicine</i> , 2020, 58, 102925.	2.7	369
104	Interleukin-17-induced neutrophil extracellular traps mediate resistance to checkpoint blockade in pancreatic cancer. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	219
105	Targeting potential drivers of COVID-19: Neutrophil extracellular traps. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	1,193
106	Molecular Analysis of Fetal and Adult Primary Human Liver Sinusoidal Endothelial Cells: A Comparison to Other Endothelial Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7776.	1.8	10
107	Markers of neutrophil activation and extracellular traps formation are predictive of appendicitis in mice and humans: a pilot study. <i>Scientific Reports</i> , 2020, 10, 18240.	1.6	15
108	Extracellular DNA A Danger Signal Triggering Immunothrombosis. <i>Frontiers in Immunology</i> , 2020, 11, 568513.	2.2	33
109	Preliminary report of in vitro and in vivo effectiveness of dornase alfa on SARS-CoV-2 infection. <i>New Microbes and New Infections</i> , 2020, 37, 100756.	0.8	32

#	ARTICLE	IF	CITATIONS
110	NETs in APS: Current Knowledge and Future Perspectives. <i>Current Rheumatology Reports</i> , 2020, 22, 67.	2.1	31
111	The impact of cell maturation and tissue microenvironments on the expression of endosomal Toll-like receptors in monocytes and macrophages. <i>International Immunology</i> , 2020, 32, 785-798.	1.8	14
112	On Neutrophil Extracellular Trap (NET) Removal: What We Know Thus Far and Why So Little. <i>Cells</i> , 2020, 9, 2079.	1.8	28
113	Netting Liver Disease: Neutrophil Extracellular Traps in the Initiation and Exacerbation of Liver Pathology. <i>Seminars in Thrombosis and Hemostasis</i> , 2020, 46, 724-734.	1.5	20
114	Neutralizing the pathological effects of extracellular histones with small polyanions. <i>Nature Communications</i> , 2020, 11, 6408.	5.8	48
115	The Role of DNA in the Extracellular Environment: A Focus on NETs, RETs and Biofilms. <i>Frontiers in Plant Science</i> , 2020, 11, 589837.	1.7	19
116	Targeting neutrophil extracellular traps in severe acute pancreatitis treatment. <i>Therapeutic Advances in Gastroenterology</i> , 2020, 13, 175628482097491.	1.4	14
117	Polyanions in Coagulation and Thrombosis: Focus on Polyphosphate and Neutrophils Extracellular Traps. <i>Thrombosis and Haemostasis</i> , 2021, 121, 1021-1030.	1.8	24
118	Putative Origins of Cell-Free DNA in Humans: A Review of Active and Passive Nucleic Acid Release Mechanisms. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8062.	1.8	103
119	Development of an improved murine model of necrotizing enterocolitis shows the importance of neutrophils in NEC pathogenesis. <i>Scientific Reports</i> , 2020, 10, 8049.	1.6	17
120	Role of β_2 Integrins in Neutrophils and Sepsis. <i>Infection and Immunity</i> , 2020, 88, .	1.0	14
121	Imbalance between plasma double-stranded DNA and deoxyribonuclease activity predicts mortality after out-of-hospital cardiac arrest. <i>Resuscitation</i> , 2020, 151, 26-32.	1.3	10
122	Microvascular thrombosis: experimental and clinical implications. <i>Translational Research</i> , 2020, 225, 105-130.	2.2	62
123	DNA binds to a specific site of the adhesive blood-protein von Willebrand factor guided by electrostatic interactions. <i>Nucleic Acids Research</i> , 2020, 48, 7333-7344.	6.5	14
124	Targeting Biological Polyanions in Blood: Strategies toward the Design of Therapeutics. <i>Biomacromolecules</i> , 2020, 21, 2595-2621.	2.6	7
125	Neutrophil extracellular traps exacerbate neurological deficits after traumatic brain injury. <i>Science Advances</i> , 2020, 6, eaax8847.	4.7	94
126	Hepatic Surgical Stress Promotes Systemic Immunothrombosis That Results in Distant Organ Injury. <i>Frontiers in Immunology</i> , 2020, 11, 987.	2.2	30
127	Three Ingredients of Safflower Alleviate Acute Lung Injury and Inhibit NET Release Induced by Lipopolysaccharide. <i>Mediators of Inflammation</i> , 2020, 2020, 1-12.	1.4	25

#	ARTICLE	IF	CITATIONS
128	Homeostatic Milieu Induces Production of Deoxyribonuclease 1-like 3 from Myeloid Cells. <i>Journal of Immunology</i> , 2020, 204, 2088-2097.	0.4	19
129	Devilishly radical NETwork in COVID-19: Oxidative stress, neutrophil extracellular traps (NETs), and T cell suppression. <i>Advances in Biological Regulation</i> , 2020, 77, 100741.	1.4	172
130	Neutrophilia and NETopathy as Key Pathologic Drivers of Progressive Lung Impairment in Patients With COVID-19. <i>Frontiers in Pharmacology</i> , 2020, 11, 870.	1.6	100
131	Neutrophils as Main Players of Immune Response towards Nondegradable Nanoparticles. <i>Nanomaterials</i> , 2020, 10, 1273.	1.9	14
132	Crystal Clots as Therapeutic Target in Cholesterol Crystal Embolism. <i>Circulation Research</i> , 2020, 126, e37-e52.	2.0	29
133	Mitochondrial DNA, oxidants, and innate immunity. <i>Free Radical Biology and Medicine</i> , 2020, 152, 455-461.	1.3	30
134	Traps N' Clots: NET-Mediated Thrombosis and Related Diseases. <i>Thrombosis and Haemostasis</i> , 2020, 120, 373-383.	1.8	22
135	Cytonemes Versus Neutrophil Extracellular Traps in the Fight of Neutrophils with Microbes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 586.	1.8	16
136	Interaction of Nanomaterials with the Immune System. <i>Molecular and Integrative Toxicology</i> , 2020, , .	0.5	1
137	Markers of NETosis Do Not Predict Neonatal Early Onset Sepsis: A Pilot Study. <i>Frontiers in Pediatrics</i> , 2019, 7, 555.	0.9	6
138	Neutrophils as emerging therapeutic targets. <i>Nature Reviews Drug Discovery</i> , 2020, 19, 253-275.	21.5	386
139	The Biology of Cell-free DNA Fragmentation and the Roles of DNASE1, DNASE1L3, and DFFB. <i>American Journal of Human Genetics</i> , 2020, 106, 202-214.	2.6	127
140	In vivo evidence for extracellular DNA trap formation. <i>Cell Death and Disease</i> , 2020, 11, 300.	2.7	67
141	Harnessing innate immunity to eliminate SARS-CoV-2 and ameliorate COVID-19 disease. <i>Physiological Genomics</i> , 2020, 52, 217-221.	1.0	82
142	Inhibition of PAD2 Improves Survival in a Mouse Model of Lethal LPS-Induced Endotoxic Shock. <i>Inflammation</i> , 2020, 43, 1436-1445.	1.7	33
143	Modulating neutrophil extracellular traps for wound healing. <i>Biomaterials Science</i> , 2020, 8, 3212-3223.	2.6	31
144	How Neutrophils Meet Their End. <i>Trends in Immunology</i> , 2020, 41, 531-544.	2.9	80
145	Fc-modified HIT-like monoclonal antibody as a novel treatment for sepsis. <i>Blood</i> , 2020, 135, 743-754.	0.6	39

#	ARTICLE	IF	CITATIONS
146	The role of type 1 interferons in Gram-negative bacteria-induced coagulation. <i>Blood</i> , 2020, 135, 1087-1100.	0.6	50
147	Therapeutic ACPA inhibits NET formation: a potential therapy for neutrophil-mediated inflammatory diseases. <i>Cellular and Molecular Immunology</i> , 2021, 18, 1528-1544.	4.8	90
148	NET formation mechanisms and how they relate to other cell death pathways. <i>FEBS Journal</i> , 2021, 288, 3334-3350.	2.2	40
149	How to detect eosinophil ETosis (EETosis) and extracellular traps. <i>Allergology International</i> , 2021, 70, 19-29.	1.4	44
150	Circulating Markers of Neutrophil Extracellular Traps Are of Prognostic Value in Patients With COVID-19. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 988-994.	1.1	146
151	Neutrophil Extracellular Trap Formation and Syndecan-1 Shedding Are Increased After Trauma. <i>Shock</i> , 2021, 56, 433-439.	1.0	23
152	Proteome Profiling of Recombinant DNase Therapy in Reducing NETs and Aiding Recovery in COVID-19 Patients. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100113.	2.5	51
153	Self-Nucleic Acid Sensing: A Novel Crucial Pathway Involved in Obesity-Mediated Metaflammation and Metabolic Syndrome. <i>Frontiers in Immunology</i> , 2020, 11, 624256.	2.2	12
154	Base-catalysed ¹⁸ F-labelling of trifluoromethyl ketones. Application to the synthesis of ¹⁸ F-labelled neutrophil elastase inhibitors. <i>Chemical Communications</i> , 2021, 57, 8476-8479.	2.2	10
155	Cardiac and Inflammatory Necrotizing Enterocolitis in Newborns Are Not the Same Entity. <i>Frontiers in Pediatrics</i> , 2020, 8, 593926.	0.9	11
156	Arg206Cys substitution in <i>DNASE1L3</i> causes a defect in DNASE1L3 protein secretion that confers risk of systemic lupus erythematosus. <i>Annals of the Rheumatic Diseases</i> , 2021, 80, 782-787.	0.5	19
157	NETosis in Rheumatic Diseases. <i>Current Rheumatology Reports</i> , 2021, 23, 9.	2.1	13
158	The role of a point-of-care ultrasound protocol in facilitating clinical decisions for snakebite envenomation in Taiwan: a pilot study. <i>Clinical Toxicology</i> , 2021, 59, 794-800.	0.8	6
159	Neutrophil extracellular traps promote fibrous vascular occlusions in chronic thrombosis. <i>Blood</i> , 2021, 137, 1104-1116.	0.6	71
160	Bite of the wolf: innate immune responses propagate autoimmunity in lupus. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	54
161	The Role of Nucleases and Nucleic Acid Editing Enzymes in the Regulation of Self-Nucleic Acid Sensing. <i>Frontiers in Immunology</i> , 2021, 12, 629922.	2.2	18
162	Therapeutic Targeting of Neutrophil Extracellular Traps Improves Primary and Secondary Intention Wound Healing in Mice. <i>Frontiers in Immunology</i> , 2021, 12, 614347.	2.2	29
163	Diacetoxyscirpenol-induced heterophil extracellular traps contribute to the immune toxicity of liver injury in chickens. <i>Food and Chemical Toxicology</i> , 2021, 148, 111926.	1.8	19

#	ARTICLE	IF	CITATIONS
164	Innate Immune Cells and Hypertension: Neutrophils and Neutrophil Extracellular Traps (NETs). , 2021, 11, 1575-1589.		23
165	Elastase and exacerbation of neutrophil innate immunity are involved in multi-organ visceral manifestations of COVID-19. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 1846-1858.	2.7	59
166	Neutrophil Extracellular Traps as Prognostic Markers in COVID-19. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 995-998.	1.1	16
167	Intravital Imaging Allows Organ-Specific Insights Into Immune Functions. Frontiers in Cell and Developmental Biology, 2021, 9, 623906.	1.8	6
168	Prognostic value of circulating markers of neutrophil activation, neutrophil extracellular traps, coagulation and fibrinolysis in patients with terminal cancer. Scientific Reports, 2021, 11, 5074.	1.6	25
169	Neutrophil Extracellular Traps: A Potential Therapeutic Target in MPO-ANCA Associated Vasculitis?. Frontiers in Immunology, 2021, 12, 635188.	2.2	46
170	The Role of Neutrophil Extracellular Traps in Periodontitis. Frontiers in Cellular and Infection Microbiology, 2021, 11, 639144.	1.8	25
171	Review: The Emerging Role of Neutrophil Extracellular Traps in Sepsis and Sepsis-Associated Thrombosis. Frontiers in Cellular and Infection Microbiology, 2021, 11, 653228.	1.8	42
172	Neutrophils in COVID-19. Frontiers in Immunology, 2021, 12, 652470.	2.2	206
173	DNASE1L3 as a Prognostic Biomarker Associated with Immune Cell Infiltration in Cancer. OncoTargets and Therapy, 2021, Volume 14, 2003-2017.	1.0	18
174	Severe Acute Respiratory Syndrome-Associated Coronavirus 2 Infection and Organ Dysfunction in the ICU: Opportunities for Translational Research. , 2021, 3, e0374.		20
175	Deoxyribonuclease 1 Q222R single nucleotide polymorphism and long-term mortality after acute myocardial infarction. Basic Research in Cardiology, 2021, 116, 29.	2.5	7
176	Aggregated neutrophil extracellular traps occlude Meibomian glands during ocular surface inflammation. Ocular Surface, 2021, 20, 1-12.	2.2	36
177	The Neutrophil Secretome as a Crucial Link between Inflammation and Thrombosis. International Journal of Molecular Sciences, 2021, 22, 4170.	1.8	17
178	It takes two to thrombosis: Hemolysis and complement. Blood Reviews, 2021, 50, 100834.	2.8	19
179	Epigenetics, fragmentomics, and topology of cell-free DNA in liquid biopsies. Science, 2021, 372, .	6.0	263
180	Protective effect of ethyl pyruvate on gut barrier function through regulations of ROS-related NETs formation during sepsis. Molecular Immunology, 2021, 132, 108-116.	1.0	8
181	Patients with COVID-19: in the dark-NETs of neutrophils. Cell Death and Differentiation, 2021, 28, 3125-3139.	5.0	189

#	ARTICLE	IF	CITATIONS
182	Can Novel Insights into the Pathogenesis of Myeloproliferative Neoplasm-Related Thrombosis Inform Novel Treatment Approaches?. <i>Hemato</i> , 2021, 2, 305-328.	0.2	3
183	Neutrophil extracellular trap-associated molecules: a review on their immunophysiological and inflammatory roles. <i>International Reviews of Immunology</i> , 2022, 41, 253-274.	1.5	13
184	Mechanistic Studies of DNase I Activity: Impact of Heparin Variants and PAD4. <i>Shock</i> , 2021, 56, 975-987.	1.0	19
185	Defective NET clearance contributes to sustained FXII activation in COVID-19-associated pulmonary thrombo-inflammation. <i>EBioMedicine</i> , 2021, 67, 103382.	2.7	61
186	Different types of cell death in vascular diseases. <i>Molecular Biology Reports</i> , 2021, 48, 4687-4702.	1.0	6
187	Long pentraxin PTX3 is upregulated systemically and centrally after experimental neurotrauma, but its depletion leaves unaltered sensorimotor deficits or histopathology. <i>Scientific Reports</i> , 2021, 11, 9616.	1.6	12
188	Neutrophil Extracellular Traps: Inflammation and Biomaterial Preconditioning for Tissue Engineering. <i>Tissue Engineering - Part B: Reviews</i> , 2022, 28, 437-450.	2.5	9
189	COVID-19 and Hypertension: The What, the Why, and the How. <i>Frontiers in Physiology</i> , 2021, 12, 665064.	1.3	44
190	Interplay between inflammation and thrombosis in cardiovascular pathology. <i>Nature Reviews Cardiology</i> , 2021, 18, 666-682.	6.1	337
191	Curcumin as a Potential Treatment for COVID-19. <i>Frontiers in Pharmacology</i> , 2021, 12, 675287.	1.6	79
192	The Many Faces of Innate Immunity in SARS-CoV-2 Infection. <i>Vaccines</i> , 2021, 9, 596.	2.1	10
193	MiR-155 regulates neutrophil extracellular trap formation and lung injury in abdominal sepsis. <i>Journal of Leukocyte Biology</i> , 2022, 111, 391-400.	1.5	18
194	Culprit site extracellular DNA and microvascular obstruction in ST-elevation myocardial infarction. <i>Cardiovascular Research</i> , 2022, 118, 2006-2017.	1.8	16
195	Neutrophils in Tumorigenesis: Missing Targets for Successful Next Generation Cancer Therapies?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6744.	1.8	15
196	COVID-19: Lung-Centric Immunothrombosis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 679878.	1.8	21
197	Synthetic Fibrin-Derived B β ¹⁵⁻⁴² Peptide Delays Thrombus Resolution in a Mouse Model. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 2168-2180.	1.1	1
198	Deoxyribonuclease is prognostic in patients undergoing transcatheter aortic valve replacement. <i>European Journal of Clinical Investigation</i> , 2021, 51, e13595.	1.7	1
199	Platelets: Underestimated Regulators of Autoinflammation in Psoriasis. <i>Journal of Investigative Dermatology</i> , 2021, 141, 1395-1403.	0.3	10

#	ARTICLE	IF	CITATIONS
200	The contact system in liver injury. <i>Seminars in Immunopathology</i> , 2021, 43, 507-517.	2.8	18
201	Comparison of the secretory murine DNase1 family members expressed in <i>Pichia pastoris</i> . <i>PLoS ONE</i> , 2021, 16, e0253476.	1.1	1
202	The Immune System Throws Its Traps: Cells and Their Extracellular Traps in Disease and Protection. <i>Cells</i> , 2021, 10, 1891.	1.8	27
203	Mechanisms of immunothrombosis in COVID-19. <i>Current Opinion in Hematology</i> , 2021, 28, 445-453.	1.2	30
204	Pathophysiological and clinical significance of mineral homeostasis disorders in the development of cardiovascular disease. <i>Fundamental and Clinical Medicine</i> , 2021, 6, 82-102.	0.1	0
205	Neutrophil Extracellular Traps Affecting Cardiovascular Health in Infectious and Inflammatory Diseases. <i>Cells</i> , 2021, 10, 1689.	1.8	6
206	Dynamically Deformable Protein Delivery Strategy Disassembles Neutrophil Extracellular Traps to Prevent Liver Metastasis. <i>Advanced Functional Materials</i> , 2021, 31, 2105089.	7.8	5
207	Dnase1 Family in Autoimmunity. <i>Encyclopedia</i> , 2021, 1, 527-541.	2.4	6
208	Inhibition of PAD4 mediated neutrophil extracellular traps prevents fibrotic osseointegration failure in a tibial implant murine model. <i>Bone and Joint Journal</i> , 2021, 103-B, 135-144.	1.9	7
209	Metabolic Pathways Involved in Formation of Spontaneous and Lipopolysaccharide-Induced Neutrophil Extracellular Traps (NETs) Differ in Obesity and Systemic Inflammation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7718.	1.8	14
210	Mechanisms of fibrinolysis resistance and potential targets for thrombolysis in acute ischaemic stroke: lessons from retrieved stroke emboli. <i>Stroke and Vascular Neurology</i> , 2021, 6, 658-667.	1.5	16
211	Myeloperoxidase has no effect on the low procoagulant activity of silica-free DNA. <i>Thrombosis Research</i> , 2021, 203, 36-45.	0.8	4
212	Neutrophil Extracellular Traps in Fatal COVID-19-Associated Lung Injury. <i>Disease Markers</i> , 2021, 2021, 1-10.	0.6	32
213	The Liver and the Hepatic Immune Response in <i>Trypanosoma cruzi</i> Infection, a Historical and Updated View. <i>Pathogens</i> , 2021, 10, 1074.	1.2	8
214	The impact of neutrophil extracellular traps on deep venous thrombosis in patients with traumatic fractures. <i>Clinica Chimica Acta</i> , 2021, 519, 231-238.	0.5	12
215	Roles of Neutrophils in Glioma and Brain Metastases. <i>Frontiers in Immunology</i> , 2021, 12, 701383.	2.2	41
216	Neutrophil Extracellular Trap-Driven Occlusive Diseases. <i>Cells</i> , 2021, 10, 2208.	1.8	14
217	The Nexus of cfDNA and Nuclease Biology. <i>Trends in Genetics</i> , 2021, 37, 758-770.	2.9	66

#	ARTICLE	IF	CITATIONS
218	Disseminated intravascular coagulation and its immune mechanisms. <i>Blood</i> , 2022, 139, 1973-1986.	0.6	15
219	Markers of neutrophil activation and extracellular trap formation predict appendicitis. <i>Surgery</i> , 2022, 171, 312-319.	1.0	2
220	Neutrophil extracellular traps in feline cardiogenic arterial thrombi: a pilot study. <i>Journal of Feline Medicine and Surgery</i> , 2021, , 1098612X2110449.	0.6	3
221	Elevated levels of circulating mitochondrial DNA predict early allograft dysfunction in patients following liver transplantation. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2021, 36, 3500-3507.	1.4	8
222	Generation of neutrophil extracellular traps in patients with acute liver failure is associated with poor outcome. <i>Hepatology</i> , 2022, 75, 623-633.	3.6	25
223	Insights in ChAdOx1 nCoV-19 vaccine-induced immune thrombotic thrombocytopenia. <i>Blood</i> , 2021, 138, 2256-2268.	0.6	228
224	Persistent endotheliopathy in the pathogenesis of long COVID syndrome. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 2546-2553.	1.9	208
225	A hitchhiker's guide through the COVID-19 galaxy. <i>Clinical Immunology</i> , 2021, 232, 108849.	1.4	3
226	Identification of the factor XII contact activation site enables sensitive coagulation diagnostics. <i>Nature Communications</i> , 2021, 12, 5596.	5.8	23
227	Nano- and Microparticles and Their Role in Inflammation and Immune Response: Focus on Neutrophil Extracellular Traps. , 2022, , 149-170.		2
228	Hypercholesterolemia Impairs Clearance of Neutrophil Extracellular Traps and Promotes Inflammation and Atherosclerotic Plaque Progression. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 2598-2615.	1.1	16
229	Nanoarchitectonics is an emerging drug/gene delivery and targeting strategy -a critical review. <i>Journal of Molecular Structure</i> , 2021, 1243, 130844.	1.8	13
230	Neutrophils as an emerging therapeutic target and tool for cancer therapy. <i>Life Sciences</i> , 2021, 285, 119952.	2.0	18
231	Neutrophil extracellular traps and organ dysfunction in sepsis. <i>Clinica Chimica Acta</i> , 2021, 523, 152-162.	0.5	21
232	Platelet count reduction during in vitro membrane oxygenation affects platelet activation, neutrophil extracellular trap formation and clot stability, but does not prevent clotting. <i>Perfusion (United Kingdom)</i> , 2021, , 026765912198923.	0.5	10
233	Extracellular DNA in blood products and its potential effects on transfusion. <i>Bioscience Reports</i> , 2020, 40, .	1.1	8
234	The double-edged role of neutrophil extracellular traps in inflammation. <i>Biochemical Society Transactions</i> , 2019, 47, 1921-1930.	1.6	39
235	Elongated neutrophil-derived structures are blood-borne microparticles formed by rolling neutrophils during sepsis. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	29

#	ARTICLE	IF	CITATIONS
238	Maladaptive role of neutrophil extracellular traps in pathogen-induced lung injury. JCI Insight, 2018, 3, .	2.3	315
239	Neurological consequences of COVID-19: what have we learned and where do we go from here?. Journal of Neuroinflammation, 2020, 17, 286.	3.1	71
240	High content of dietary fructose stimulates the formation of neutrophil extracellular traps in the biliary system. Experimental and Clinical Physiology and Biochemistry, 2020, 89, .	0.2	2
241	G-CSF shifts erythropoiesis from bone marrow into spleen in the setting of systemic inflammation. Life Science Alliance, 2021, 4, e202000737.	1.3	4
242	Ticagrelor Exerts Immune-Modulatory Effect by Attenuating Neutrophil Extracellular Traps. International Journal of Molecular Sciences, 2020, 21, 3625.	1.8	25
243	An integrative look at SARS-CoV-2 (Review). International Journal of Molecular Medicine, 2020, 47, 415-434.	1.8	17
244	An update on factor XII-driven vascular inflammation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2022, 1869, 119166.	1.9	18
245	The emerging roles of neutrophil extracellular traps in wound healing. Cell Death and Disease, 2021, 12, 984.	2.7	56
246	Neutrophil extracellular traps: from physiology to pathology. Cardiovascular Research, 2022, 118, 2737-2753.	1.8	96
247	Neutrophil and remnant clearance in immunity and inflammation. Immunology, 2022, 165, 22-43.	2.0	30
248	Eosinophil extracellular traps drive asthma progression through neuro-immune signals. Nature Cell Biology, 2021, 23, 1060-1072.	4.6	42
249	Symptomatic Carotid Artery Thrombosis in a Patient Recently Recovered From a COVID-19 Infection. Cureus, 2021, 13, e18626.	0.2	5
250	Mechanisms of Immunothrombosis by SARS-CoV-2. Biomolecules, 2021, 11, 1550.	1.8	11
251	How Can the Death of Cells Be Useful For a Human Body?. Experimental and Clinical Physiology and Biochemistry, 2018, 2018, 77-85.	0.2	1
253	INVOLVEMENT OF NEUTROPHIL HYDROLYTIC ENZYMES IN THE MODIFICATION OF CIRCULATING IMMUNE COMPLEXES UNDER THE CIRCUMSTANCES OF EXPERIMENTAL SEPSIS. Proceedings of the Shevchenko Scientific Society Medical Sciences, 2019, 55, 31-39.	0.3	1
254	Neutrophil Extracellular Traps in Atherosclerosis and Thrombosis. Handbook of Experimental Pharmacology, 2020, , 405-425.	0.9	9
255	Approaching Neutrophil Pyroptosis. Journal of Molecular Biology, 2022, 434, 167335.	2.0	19
256	NETs promote pathogenic cardiac fibrosis and participate in ventricular aneurysm formation after ischemia injury through the facilitation of perivascular fibrosis. Biochemical and Biophysical Research Communications, 2021, 583, 154-161.	1.0	7

#	ARTICLE	IF	CITATIONS
257	Nanomaterials and Neutrophils. <i>Molecular and Integrative Toxicology</i> , 2020, , 35-53.	0.5	0
258	Monoclonal antibody 2C5 specifically targets neutrophil extracellular traps. <i>MAbs</i> , 2020, 12, 1850394.	2.6	6
259	Neutrophil-Dependent Immunity During Pulmonary Infections and Inflammations. <i>Frontiers in Immunology</i> , 2021, 12, 689866.	2.2	16
260	Neutrophil Extracellular Traps Exacerbate Ischemic Brain Damage. <i>Molecular Neurobiology</i> , 2022, 59, 643-656.	1.9	37
261	c-Abl kinase regulates neutrophil extracellular trap formation and lung injury in abdominal sepsis. <i>Laboratory Investigation</i> , 2022, 102, 263-271.	1.7	2
262	Internal Carotid Artery Thrombosis in COVID 19. Case report.. <i>Colombia Medica</i> , 2020, 51, e504560.	0.7	6
263	The pathogenesis and treatment in antineutrophil cytoplasmic antibody associated vasculitis. <i>American Journal of Translational Research (discontinued)</i> , 2020, 12, 4094-4107.	0.0	2
264	DNase I functional microgels for neutrophil extracellular trap disruption. <i>Biomaterials Science</i> , 2021, 10, 85-99.	2.6	29
265	Aflatoxin B1-activated heterophil extracellular traps result in the immunotoxicity to liver and kidney in chickens. <i>Developmental and Comparative Immunology</i> , 2022, 128, 104325.	1.0	13
266	Role of Cell-Free DNA and Deoxyribonucleases in Tumor Progression. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12246.	1.8	11
267	IL-17 Receptor C Signaling Controls CD4+ TH17 Immune Responses and Tissue Injury in Immune-Mediated Kidney Diseases. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 3081-3098.	3.0	14
268	Prognostic Implications of Neutrophil Extracellular Traps in Coronary Thrombi of Patients with ST-Elevation Myocardial Infarction. <i>Thrombosis and Haemostasis</i> , 2022, 122, 1415-1428.	1.8	5
269	KLF2 regulates neutrophil activation and thrombosis in cardiac hypertrophy and heart failure progression. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	29
270	At the dawn: cell-free DNA fragmentomics and gene regulation. <i>British Journal of Cancer</i> , 2022, 126, 379-390.	2.9	27
271	Neutrophils prevent rectal bleeding in ulcerative colitis by peptidyl-arginine deiminase-4-dependent immunothrombosis. <i>Gut</i> , 2022, 71, 2414-2429.	6.1	26
272	NETs-related thrombotic complications in sepsis and COVID-19. <i>Japanese Journal of Thrombosis and Hemostasis</i> , 2021, 32, 659-664.	0.1	0
273	Impaired Degradation of Neutrophil Extracellular Traps: A Possible Severity Factor of Elderly Male COVID-19 Patients. <i>Journal of Innate Immunity</i> , 2022, 14, 461-476.	1.8	7
275	Inhibition of NETosis for treatment purposes: friend or foe?. <i>Molecular and Cellular Biochemistry</i> , 2022, 477, 673-688.	1.4	38

#	ARTICLE	IF	CITATIONS
277	Inhibition of transcription factor NFAT activity in activated platelets enhances their aggregation and exacerbates gram-negative bacterial septicemia. <i>Immunity</i> , 2022, 55, 224-236.e5.	6.6	11
278	Neutrophil-Mediated Immunopathology and Matrix Metalloproteinases in Central Nervous System “ Tuberculosis. <i>Frontiers in Immunology</i> , 2021, 12, 788976.	2.2	10
279	The role of neutrophils in rheumatic disease-associated vascular inflammation. <i>Nature Reviews Rheumatology</i> , 2022, 18, 158-170.	3.5	32
280	Microfluidic capture of chromatin fibres measures neutrophil extracellular traps (NETs) released in a drop of human blood. <i>Lab on A Chip</i> , 2022, 22, 936-944.	3.1	5
281	Advances in cGAS-STING Signaling Pathway and Diseases. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 800393.	1.8	7
282	COVID-19 with Rapid Progression to Hypoxemia Likely due to Imbalance between Ventilation and Blood Flow: A Case Report. <i>Clinical Medicine Insights: Circulatory, Respiratory and Pulmonary Medicine</i> , 2022, 16, 117954842110732.	0.5	3
283	DNA extracellular traps as potential biomarker of chronic haemophilic synovitis and therapeutic perspective in patients treated with PRP: A pilot study. <i>Haemophilia</i> , 2022, 28, 351-361.	1.0	2
284	The Role of the Neutrophilic Network in the Pathogenesis of Psoriasis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1840.	1.8	6
285	Induction of osteogenesis by bone-targeted Notch activation. <i>ELife</i> , 2022, 11, .	2.8	15
286	Sex Difference in Plasma Deoxyribonuclease Activity in Rats. <i>Physiological Research</i> , 2021, 70, .	0.4	0
287	Neutrophil Extracellular Traps, Angiogenesis and Cancer. <i>Biomedicines</i> , 2022, 10, 431.	1.4	39
288	On the Origin of Neutrophil Extracellular Traps in COVID-19. <i>Frontiers in Immunology</i> , 2022, 13, 821007.	2.2	15
289	The Expanding Role of Extracellular Traps in Inflammation and Autoimmunity: The New Players in Casting Dark Webs. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3793.	1.8	25
290	Neutrophil extracellular traps regulate ischemic stroke brain injury. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	102
291	Actin-related protein 2/3 complex regulates neutrophil extracellular trap expulsion and lung damage in abdominal sepsis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2022, 322, L662-L672.	1.3	1
292	Neutrophil extracellular traps promote cancer-associated inflammation and myocardial stress. <i>OncImmunology</i> , 2022, 11, 2049487.	2.1	11
293	Investigations of the effectiveness of heparin variants as inhibitors of histones. <i>Journal of Thrombosis and Haemostasis</i> , 2022, 20, 1485-1495.	1.9	14
294	NETosis and SARS-COV-2 infection related thrombosis: a narrative review. <i>Thrombosis Journal</i> , 2022, 20, 13.	0.9	20

#	ARTICLE	IF	CITATIONS
295	Tissue accumulation of neutrophil extracellular traps mediates muscle hyperalgesia in a mouse model. <i>Scientific Reports</i> , 2022, 12, 4136.	1.6	6
296	Neutrophil extracellular traps (NETs) in patients with STEMI. Association with percutaneous coronary intervention and antithrombotic treatments. <i>Thrombosis Research</i> , 2022, 213, 78-83.	0.8	6
297	The Pathobiological Basis for Thrombotic Complications in COVID-19: a Review of the Literature. <i>Current Pathobiology Reports</i> , 2021, 9, 107-117.	1.6	6
298	Immunomonitoring of Monocyte and Neutrophil Function in Critically Ill Patients: From Sepsis and/or Trauma to COVID-19. <i>Journal of Clinical Medicine</i> , 2021, 10, 5815.	1.0	6
299	Receptor-binding domain of SARS-CoV-2 contribution to the neutrophil activation during 100 nm particle-induced immune response in conduction airway mucosa of mice. <i>Meditsinskii Akademicheskii Zhurnal</i> , 2021, 21, 97-102.	0.2	0
300	Sex Difference in Plasma Deoxyribonuclease Activity in Rats. <i>Physiological Research</i> , 0, , 913-920.	0.4	2
301	Sex Difference in Plasma Deoxyribonuclease Activity in Rats. <i>Physiological Research</i> , 2021, , 913-920.	0.4	1
302	Identification of Tumor Microenvironment and DNA Methylation-Related Prognostic Signature for Predicting Clinical Outcomes and Therapeutic Responses in Cervical Cancer. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 872932.	1.6	7
303	Extracellular Traps Increase Burden of Bleeding by Damaging Endothelial Cell in Acute Promyelocytic Leukaemia. <i>Frontiers in Immunology</i> , 2022, 13, 841445.	2.2	11
304	Periodontitis-Derived Dark-NETs in Severe Covid-19. <i>Frontiers in Immunology</i> , 2022, 13, 872695.	2.2	4
309	Extracellular DNA Traps: Origin, Function and Implications for Anti-Cancer Therapies. <i>Frontiers in Oncology</i> , 2022, 12, 869706.	1.3	9
310	Insights Into Immunothrombotic Mechanisms in Acute Stroke due to Vaccine-Induced Immune Thrombotic Thrombocytopenia. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	11
311	In Vivo Imaging of Circadian NET Formation During Lung Injury by Four-Dimensional Intravital Microscopy. <i>Methods in Molecular Biology</i> , 2022, , 285-300.	0.4	1
312	Neutrophil extracellular traps and cancer-associated thrombosis. <i>Thrombosis Research</i> , 2022, 213, S35-S41.	0.8	11
313	The Role of Neutrophil Extracellular Traps in the Ocular System. <i>Current Eye Research</i> , 2022, 47, 1227-1238.	0.7	0
314	Impact of Neutrophil Extracellular Traps on Thrombosis Formation: New Findings and Future Perspective. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, .	1.8	19
316	A systematic review on neutrophil extracellular traps and its prognostication role in COVID-19 patients. <i>Immunologic Research</i> , 2022, 70, 449-460.	1.3	9
317	Origin and significance of the human DNase repertoire. <i>Scientific Reports</i> , 2022, 12, .	1.6	5

#	ARTICLE	IF	CITATIONS
318	The expanding family of neutrophil-derived extracellular vesicles. <i>Immunological Reviews</i> , 2022, 312, 52-60.	2.8	8
319	New Insights into Clinical and Mechanistic Heterogeneity of the Acute Respiratory Distress Syndrome: Summary of the Aspen Lung Conference 2021. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2022, 67, 284-308.	1.4	9
320	Nucleic Acid Sensing by Toll-Like Receptors in the Endosomal Compartment. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	10
321	Intravital Imaging of Inflammatory Response in Liver Disease. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	1
322	Pathogen-Derived Nucleases: An Effective Weapon for Escaping Extracellular Traps. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	7
323	Unveiling Leukocyte Extracellular Traps in Inflammatory Responses of the Central Nervous System. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	1
324	Venous Thromboembolism in Sepsis: From Bench to Bedside. <i>Biomedicines</i> , 2022, 10, 1651.	1.4	5
325	Neutrophil Extracellular Traps and Neutrophil-Derived Extracellular Vesicles: Common Players in Neutrophil Effector Functions. <i>Diagnostics</i> , 2022, 12, 1715.	1.3	11
326	Neutrophil extracellular traps-mediated Beclin-1 suppression aggravates atherosclerosis by inhibiting macrophage autophagy. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	11
327	Dysregulated miRNAs network in the critical COVID-19: An important clue for uncontrolled immunothrombosis/thromboinflammation. <i>International Immunopharmacology</i> , 2022, 110, 109040.	1.7	4
328	Variability of endogenous deoxyribonuclease activity and its pathophysiological consequences. <i>Molecular and Cellular Probes</i> , 2022, 65, 101844.	0.9	3
329	Markers of neutrophil activation and neutrophil extracellular traps in diagnosing patients with acute venous thromboembolism: A feasibility study based on two VTE cohorts. <i>PLoS ONE</i> , 2022, 17, e0270865.	1.1	8
330	Extracellular traps and the role in thrombosis. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	5
331	Neutrophil extracellular traps in the pathology of cancer and other inflammatory diseases. <i>Physiological Reviews</i> , 2023, 103, 277-312.	13.1	32
332	Structural features of Dnase1L3 responsible for serum antigen clearance. <i>Communications Biology</i> , 2022, 5, .	2.0	7
333	Molecular mechanisms and therapeutic target of NETosis in diseases. <i>MedComm</i> , 2022, 3, .	3.1	27
334	The Effect of Paracrine Factors Released by Irradiated Peripheral Blood Mononuclear Cells on Neutrophil Extracellular Trap Formation. <i>Antioxidants</i> , 2022, 11, 1559.	2.2	3
335	Platelets in the Networks interweaving inflammation and thrombosis. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	25

#	ARTICLE	IF	CITATIONS
336	Inflammatory markers calprotectin, NETs, syndecan-1 and neopterin in COVID-19 convalescent blood donors. Scandinavian Journal of Clinical and Laboratory Investigation, 2022, 82, 481-485.	0.6	5
338	Antiplatelet therapy for patients with COVID-19: Systematic review and meta-analysis of observational studies and randomized controlled trials. Frontiers in Medicine, 0, 9, .	1.2	10
339	A Potential Driver of Disseminated Intravascular Coagulation in Heat Stroke Mice: Neutrophil Extracellular Traps. International Journal of Environmental Research and Public Health, 2022, 19, 12448.	1.2	1
340	Building a better NET: Neutrophil extracellular trap targeted therapeutics in the treatment of infectious and inflammatory disorders. Research and Practice in Thrombosis and Haemostasis, 2022, 6, e12808.	1.0	8
341	Current Drug Targets (CDT) special issue on Covid-19 and Coagulopathy Fibrinolysis in COVID-19: impact on clot lysis and modulation of inflammation. Current Drug Targets, 2022, 23, .	1.0	3
342	Neutrophil extracellular traps in systemic autoimmune and autoinflammatory diseases. Nature Reviews Immunology, 2023, 23, 274-288.	10.6	75
343	The role of platelet mediated thromboinflammation in acute liver injury. Frontiers in Immunology, 0, 13, .	2.2	13
344	DNASE1L3 inhibits hepatocellular carcinoma by delaying cell cycle progression through CDK2. Cellular Oncology (Dordrecht), 0, , .	2.1	0
345	Forsythiaside B ameliorates coagulopathies in a rat model of sepsis through inhibition of the formation of PAD4-dependent neutrophil extracellular traps. Frontiers in Pharmacology, 0, 13, .	1.6	6
346	Functional proteomic profiling links deficient DNA clearance with increased mortality in individuals with severe COVID-19 pneumonia. Immunity, 2022, 55, 2436-2453.e5.	6.6	9
347	Neutrophil intrinsic and extrinsic regulation of NETosis in health and disease. Trends in Microbiology, 2023, 31, 280-293.	3.5	30
348	Physical Exercise Promotes DNase Activity Enhancing the Capacity to Degrade Neutrophil Extracellular Traps. Biomedicines, 2022, 10, 2849.	1.4	3
349	Novel Streptococcus suis meningitis model in pigs: Longitudinal assessment of oxygen values, neutrophil function, and DNase activity in the central nervous system. , 2023, , 353-365.		0
350	Neutrophil extracellular traps have auto-catabolic activity and produce mononucleosome-associated circulating DNA. Genome Medicine, 2022, 14, .	3.6	9
351	Neutrophils during <sc>SARSâ€CoV</sc>â€2 infection: Friend or foe?. Immunological Reviews, 2023, 314, 399-412.	2.8	8
352	The coming of age of neutrophil extracellular traps in thrombosis: Where are we now and where are we headed?. Immunological Reviews, 2023, 314, 376-398.	2.8	7
353	Impact of neutrophil extracellular traps on fluid properties, blood flow and complement activation. Frontiers in Immunology, 0, 13, .	2.2	9
354	Performance of D-dimer to lymphocyte ratio in predicting the mortality of COVID-19 patients. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	1

#	ARTICLE	IF	CITATIONS
355	Dysregulated haemostasis in thrombo-inflammatory disease. <i>Clinical Science</i> , 2022, 136, 1809-1829.	1.8	7
356	Beta 2 glycoprotein I and neutrophil extracellular traps: Potential bridge between innate and adaptive immunity in anti-phospholipid syndrome. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	6
357	Neutrophils in host defense, healing, and hypersensitivity: Dynamic cells within a dynamic host. <i>Journal of Allergy and Clinical Immunology</i> , 2023, 151, 634-655.	1.5	8
358	Neutrophil, neutrophil extracellular traps and endothelial cell dysfunction in sepsis. <i>Clinical and Translational Medicine</i> , 2023, 13, .	1.7	43
359	Antibody-modified DNase I micelles specifically recognize the neutrophil extracellular traps (NETs) and promote their degradation. <i>Journal of Controlled Release</i> , 2023, 354, 109-119.	4.8	8
360	Integration of transcriptomics and metabolomics to reveal the effect of ginsenoside Rg3 on allergic rhinitis in mice. <i>Food and Function</i> , 2023, 14, 2416-2431.	2.1	0
361	Neutrophil extracellular traps in autoimmune diseases: Analysis of the knowledge map. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	5
362	B-cell-intrinsic DNase 1L3 is essential for T-cell-independent type II response in mice. <i>International Immunology</i> , 0, , .	1.8	0
363	Reduced digestion of circulating genomic DNA in systemic sclerosis patients with the DNASE1L3 R206C variant. <i>Rheumatology</i> , 0, , .	0.9	1
364	Murine scald models characterize the role of neutrophils and neutrophil extracellular traps in severe burns. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	2
365	Sepsis: network pathophysiology and implications for early diagnosis. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2023, 324, R613-R624.	0.9	9
366	NEUTROPHIL EXTRACELLULAR TRAPS AS A THERAPEUTIC TARGET IN SYSTEMIC COMPLICATIONS OF ACUTE PANCREATITIS. <i>Fiziolohichniy Zhurnal (Kiev, Ukraine: 1994)</i> , 2022, 68, 80-89.	0.1	0
367	Endogenous DNase Activity in an Animal Model of Acute Liver Failure. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2984.	1.8	1
368	Venous thromboembolism in viral diseases: A comprehensive literature review. <i>Health Science Reports</i> , 2023, 6, .	0.6	5
369	Visualization of Nuclease- and Serum-Mediated Chromatin Degradation with DNA-Histone Mesostructures. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3222.	1.8	0
370	NETworking with cancer: The bidirectional interplay between cancer and neutrophil extracellular traps. <i>Cancer Cell</i> , 2023, 41, 505-526.	7.7	29
371	Neutrophil extracellular traps as a unique target in the treatment of chemotherapy-induced peripheral neuropathy. <i>EBioMedicine</i> , 2023, 90, 104499.	2.7	9
372	Constraint-induced movement therapy alleviates motor impairment by inhibiting the accumulation of neutrophil extracellular traps in ischemic cortex. <i>Neurobiology of Disease</i> , 2023, 179, 106064.	2.1	0

#	ARTICLE	IF	CITATIONS
373	The role of neutrophil extracellular traps in necrotizing enterocolitis. <i>Frontiers in Pediatrics</i> , 0, 11, .	0.9	3
374	Secreted mammalian DNases protect against systemic bacterial infection by digesting biofilms. <i>Journal of Experimental Medicine</i> , 2023, 220, .	4.2	7
375	Endothelial dysfunction and immunothrombosis in sepsis. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	21
376	NETs-Induced Thrombosis Impacts on Cardiovascular and Chronic Kidney Disease. <i>Circulation Research</i> , 2023, 132, 933-949.	2.0	8
381	New genetic and epigenetic insights into the chemokine system: the latest discoveries aiding progression toward precision medicine. , 2023, 20, 739-776.		5
406	Effects of neutrophil fate on inflammation. <i>Inflammation Research</i> , 2023, 72, 2237-2248.	1.6	1
413	Recombinant Human Deoxyribonuclease I. , 2024, , 515-530.		0
424	GSDMD- and PAD4-Independent NET Formation Mediates Vascular Occlusions in Septicemia. <i>Hamostaseologie</i> , 2024, , .	0.9	0
426	Endosomal Toll-Like Receptors as Therapeutic Targets for Autoimmune Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2024, , 97-108.	0.8	0