

Synergism of TNF- α and IFN- γ Triggers Inflammatory in SARS-CoV-2 Infection and Cytokine Shock Syndrome

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The innate immune system and cell death in autoinflammatory and autoimmune disease. <i>Current Opinion in Immunology</i> , 2020, 67, 95-105.	2.4	39
2	The Potential for Repurposing Anti-TNF as a Therapy for the Treatment of COVID-19. <i>Med</i> , 2020, 1, 90-102.	2.2	87
3	Dysregulation of Cell Signaling by SARS-CoV-2. <i>Trends in Microbiology</i> , 2021, 29, 224-237.	3.5	62
4	Advances in Understanding Activation and Function of the NLRC4 Inflammasome. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1048.	1.8	64
5	A genetic link between risk for Alzheimer's disease and severe COVID-19 outcomes via the <i>OAS1</i> gene. <i>Brain</i> , 2021, 144, 3727-3741.	3.7	65
6	The promise of endogenous and exogenous riboflavin in anti-infection. <i>Virulence</i> , 2021, 12, 2314-2326.	1.8	8
7	Dexamethasone Ameliorates Severe Pneumonia But Slightly Enhances Viral Replication in Lung of SARS-CoV-2-Infected Syrian Hamster. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
8	From pyroptosis, apoptosis and necroptosis to PANoptosis: A mechanistic compendium of programmed cell death pathways. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 4641-4657.	1.9	184
11	Integration of IL-2 and IL-4 signals coordinates divergent regulatory T cell responses and drives therapeutic efficacy. <i>ELife</i> , 2021, 10, .	2.8	25
13	EULAR points to consider on pathophysiology and use of immunomodulatory therapies in COVID-19. <i>Annals of the Rheumatic Diseases</i> , 2021, 80, 698-706.	0.5	37
14	Editorial: COVID-19 immunology and organ transplantation. <i>Current Opinion in Organ Transplantation</i> , 2021, 26, 258-265.	0.8	0
16	Nonsteroidal Anti-inflammatory Drugs Dampen the Cytokine and Antibody Response to SARS-CoV-2 Infection. <i>Journal of Virology</i> , 2021, 95, .	1.5	97
18	Sepsis take-out: Inhibiting bacterial deliveries. <i>Immunity</i> , 2021, 54, 399-401.	6.6	5
20	Coronavirus disease 2019 (COVID-19) and autoimmunity. <i>Nauchno-Prakticheskaya Revmatologiya</i> , 2021, 59, 5-30.	0.2	28
23	Reduced frequency of T helper 17 and T helper 1 cells and their association with critical coronavirus disease 2019. <i>Apmis</i> , 2021, 129, 271-279.	0.9	8
24	Divergent effects of acute versus chronic glucocorticoids in COVID-19. <i>Lancet Rheumatology</i> , The, 2021, 3, e168-e170.	2.2	24
26	Virus-Induced Changes of the Respiratory Tract Environment Promote Secondary Infections With <i>Streptococcus pneumoniae</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 643326.	1.8	39
27	NLRP3 inflammasome in cancer and metabolic diseases. <i>Nature Immunology</i> , 2021, 22, 550-559.	7.0	439

#	ARTICLE	IF	CITATIONS
29	Eosinophils and COVID-19: diagnosis, prognosis, and vaccination strategies. <i>Seminars in Immunopathology</i> , 2021, 43, 383-392.	2.8	36
32	In Vitro Assessment of the Antiviral Activity of Ketotifen, Indomethacin and Naproxen, Alone and in Combination, against SARS-CoV-2. <i>Viruses</i> , 2021, 13, 558.	1.5	27
33	Cytokine Storm: The Primary Determinant for the Pathophysiological Evolution of COVID-19 Deterioration. <i>Frontiers in Immunology</i> , 2021, 12, 589095.	2.2	102
34	Ruxolitinib, a JAK1/2 Inhibitor, Ameliorates Cytokine Storm in Experimental Models of Hyperinflammation Syndrome. <i>Frontiers in Pharmacology</i> , 2021, 12, 650295.	1.6	23
35	IFN- γ and TNF- α drive a CXCL10+ CCL2+ macrophage phenotype expanded in severe COVID-19 lungs and inflammatory diseases with tissue inflammation. <i>Genome Medicine</i> , 2021, 13, 64.	3.6	128
39	COVID-19 and Disease-Modifying Anti-rheumatic Drugs. <i>Current Rheumatology Reports</i> , 2021, 23, 28.	2.1	15
40	Cytokine, Chemokine, and Metalloprotease Activation in the Serum of Patients with Nephropathia Epidemica from the Republic of Tatarstan and the Republic of Mordovia, Russia. <i>Pathogens</i> , 2021, 10, 527.	1.2	10
41	COVID-19 and the human innate immune system. <i>Cell</i> , 2021, 184, 1671-1692.	13.5	524
42	Human neutralizing antibodies against SARS-CoV-2 require intact Fc effector functions for optimal therapeutic protection. <i>Cell</i> , 2021, 184, 1804-1820.e16.	13.5	297
43	Targeting the PANoptosome with miRNA Loaded Mesenchymal Stem Cell Derived Extracellular Vesicles; a New Path to Fight Against the Covid-19?. <i>Stem Cell Reviews and Reports</i> , 2021, 17, 1074-1077.	1.7	5
44	Involvement of Interleukin-1 Receptor-Associated Kinase 4 and Interferon Regulatory Factor 5 in the Immunopathogenesis of SARS-CoV-2 Infection: Implications for the Treatment of COVID-19. <i>Frontiers in Immunology</i> , 2021, 12, 638446.	2.2	9
45	COVID-19 tissue atlases reveal SARS-CoV-2 pathology and cellular targets. <i>Nature</i> , 2021, 595, 107-113.	13.7	537
46	COVID-19 During Development: A Matter of Concern. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 659032.	1.8	4
47	Cell-Type Apoptosis in Lung during SARS-CoV-2 Infection. <i>Pathogens</i> , 2021, 10, 509.	1.2	47
49	Infection-induced inflammation from specific inborn errors of immunity to COVID-19. <i>FEBS Journal</i> , 2021, 288, 5021-5041.	2.2	12
50	Inflammasome regulation in driving COVID-19 severity in humans and immune tolerance in bats. <i>Journal of Leukocyte Biology</i> , 2021, , .	1.5	11
51	The Effects of Insulin-Like Growth Factor I and BTP-2 on Acute Lung Injury. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5244.	1.8	8
52	Immunological analysis of the murine anti-CD3-induced cytokine release syndrome model and therapeutic efficacy of anti-cytokine antibodies. <i>European Journal of Immunology</i> , 2021, 51, 2074-2085.	1.6	11

#	ARTICLE	IF	CITATIONS
55	SARS-CoV-2 infects human adult donor eyes and hESC-derived ocular epithelium. <i>Cell Stem Cell</i> , 2021, 28, 1205-1220.e7.	5.2	44
56	COVID-19 and the liver: an adverse outcome pathway perspective. <i>Toxicology</i> , 2021, 455, 152765.	2.0	8
58	COVID-19 Vasculopathy: Mounting Evidence for an Indirect Mechanism of Endothelial Injury. <i>American Journal of Pathology</i> , 2021, 191, 1374-1384.	1.9	78
59	Caspase-8: A key protein of cross-talk signal way in PANoptosis in cancer. <i>International Journal of Cancer</i> , 2021, 149, 1408-1420.	2.3	76
61	Programmed cell death in stem cell-based therapy: Mechanisms and clinical applications. <i>World Journal of Stem Cells</i> , 2021, 13, 386-415.	1.3	20
62	Therapeutic Potential of TNF and IL1 Blockade for CRS/ICANS in CAR-T Therapy via Ameliorating Endothelial Activation. <i>Frontiers in Immunology</i> , 2021, 12, 623610.	2.2	21
64	JAK inhibitors: Ten years after. <i>European Journal of Immunology</i> , 2021, 51, 1615-1627.	1.6	49
65	2019 Coronavirus disease (COVID-19): contribution of rheumatology. <i>Terapevticheskii Arkhiv</i> , 2021, 93, .	0.2	6
66	Functional characterization of TNF in pufferfish (<i>Takifugu obscurus</i>) in immune response and apoptosis against <i>Aeromonas hydrophila</i> . <i>Journal of Fish Diseases</i> , 2021, 44, 1343-1353.	0.9	8
67	TLR2 senses the SARS-CoV-2 envelope protein to produce inflammatory cytokines. <i>Nature Immunology</i> , 2021, 22, 829-838.	7.0	364
68	Lactate and IL6 define separable paths of inflammatory metabolic adaptation. <i>Science Advances</i> , 2021, 7, .	4.7	55
70	Cytokine Overproduction and Immune System Dysregulation in alloHSCT and COVID-19 Patients. <i>Frontiers in Immunology</i> , 2021, 12, 658896.	2.2	14
72	Cell Death in Coronavirus Infections: Uncovering Its Role during COVID-19. <i>Cells</i> , 2021, 10, 1585.	1.8	33
73	Role of DAMPs in respiratory virus-induced acute respiratory distress syndrome with a preliminary reference to SARS-CoV-2 pneumonia. <i>Genes and Immunity</i> , 2021, 22, 141-160.	2.2	47
74	Plasma from patients with bacterial sepsis or severe COVID-19 induces suppressive myeloid cell production from hematopoietic progenitors in vitro. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	64
76	The role of regulated necrosis in endocrine diseases. <i>Nature Reviews Endocrinology</i> , 2021, 17, 497-510.	4.3	35
77	He-Jie-Shen-Shi Decoction as an Adjuvant Therapy on Severe Coronavirus Disease 2019: A Retrospective Cohort and Potential Mechanistic Study. <i>Frontiers in Pharmacology</i> , 2021, 12, 700498.	1.6	16
78	Flavonoids as Promising Antiviral Agents against SARS-CoV-2 Infection: A Mechanistic Review. <i>Molecules</i> , 2021, 26, 3900.	1.7	43

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80	An Impaired Inflammatory and Innate Immune Response in COVID-19. <i>Molecules and Cells</i> , 2021, 44, 384-391.	1.0	13
81	Hierarchical Cell Death Program Disrupts the Intracellular Niche Required for <i>Burkholderia thailandensis</i> Pathogenesis. <i>MBio</i> , 2021, 12, e0105921.	1.8	12
82	Role of pyroptosis in cancer cells and clinical applications. <i>Biochimie</i> , 2021, 185, 78-86.	1.3	33
83	Generation of a Sleeping Beauty Transposon-Based Cellular System for Rapid and Sensitive Screening for Compounds and Cellular Factors Limiting SARS-CoV-2 Replication. <i>Frontiers in Microbiology</i> , 2021, 12, 701198.	1.5	27
84	The Good and Bad of Nrf2: An Update in Cancer and New Perspectives in COVID-19. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7963.	1.8	19
85	Identification of COVID-19 and Dengue Host Factor Interaction Networks Based on Integrative Bioinformatics Analyses. <i>Frontiers in Immunology</i> , 2021, 12, 707287.	2.2	11
86	Inflammatory Cell Death, PANoptosis, Mediated by Cytokines in Diverse Cancer Lineages Inhibits Tumor Growth. <i>ImmunoHorizons</i> , 2021, 5, 568-580.	0.8	88
87	COVID-19 and earlier pandemics, sepsis, and vaccines: A historical perspective. <i>Journal of Intensive Medicine</i> , 2021, 1, 4-13.	0.8	9
88	Is there a place for mesenchymal stromal cell-based therapies in the therapeutic armamentarium against COVID-19?. <i>Stem Cell Research and Therapy</i> , 2021, 12, 425.	2.4	15
89	A phase 2 multiple ascending dose study of the inhaled pan-JAK inhibitor nezulcitinib (TD-0903) in severe COVID-19. <i>European Respiratory Journal</i> , 2021, 58, 2100673.	3.1	32
90	Increased susceptibility of human endothelial cells to infections by SARS-CoV-2 variants. <i>Basic Research in Cardiology</i> , 2021, 116, 42.	2.5	33
91	Neutralizing Anti-interferon- β Autoantibodies: an Ameliorating Factor in COVID-19 Infection?. <i>Journal of Clinical Immunology</i> , 2021, 41, 1531-1535.	2.0	5
92	COVID-19 in Children: Expressions of Type I/II/III Interferons, TRIM28, SETDB1, and Endogenous Retroviruses in Mild and Severe Cases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7481.	1.8	37
94	The preparation of N-IgY targeting SARS-CoV-2 and its immunomodulation to IFN- β production in vitro. <i>International Immunopharmacology</i> , 2021, 96, 107797.	1.7	13
95	Innate immune and inflammatory responses to SARS-CoV-2: Implications for COVID-19. <i>Cell Host and Microbe</i> , 2021, 29, 1052-1062.	5.1	185
96	Complement Anaphylatoxins and Inflammatory Cytokines as Prognostic Markers for COVID-19 Severity and In-Hospital Mortality. <i>Frontiers in Immunology</i> , 2021, 12, 668725.	2.2	49
97	The zinc finger transcription factor, KLF2, protects against COVID-19 associated endothelial dysfunction. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 266.	7.1	33
98	Genetics and pathophysiology of haemophagocytic lymphohistiocytosis. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2021, 110, 2903-2911.	0.7	14

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100	Modulation of ACE-2 mRNA by inflammatory cytokines in human thyroid cells: a pilot study. <i>Endocrine</i> , 2021, 74, 638-645.	1.1	24
101	The RNA sensor MDA5 detects SARS-CoV-2 infection. <i>Scientific Reports</i> , 2021, 11, 13638.	1.6	93
102	Ramulus mori polysaccharide-loaded PLGA nanoparticles and their anti-inflammatory effects in vivo. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 2024-2036.	3.6	22
105	Alterations of lipid metabolism provide serologic biomarkers for the detection of asymptomatic versus symptomatic COVID-19 patients. <i>Scientific Reports</i> , 2021, 11, 14232.	1.6	28
106	Mechanics Insights of Alpha-Lipoic Acid against Cardiovascular Diseases during COVID-19 Infection. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7979.	1.8	20
107	Monocytes and Macrophages in COVID-19. <i>Frontiers in Immunology</i> , 2021, 12, 720109.	2.2	168
108	Multiple Autonomous Cell Death Suppression Strategies Ensure Cytomegalovirus Fitness. <i>Viruses</i> , 2021, 13, 1707.	1.5	6
110	Therapeutic use of specific tumour necrosis factor inhibitors in inflammatory diseases including COVID-19. <i>Biomedicine and Pharmacotherapy</i> , 2021, 140, 111785.	2.5	14
111	Different Profiles of Antibodies and Cytokines Were Found Between Severe and Moderate COVID-19 Patients. <i>Frontiers in Immunology</i> , 2021, 12, 723585.	2.2	11
112	COVID-19: Inflammatory Profile. <i>Annual Review of Medicine</i> , 2022, 73, 65-80.	5.0	43
113	The SARS-CoV-2 spike protein subunit S1 induces COVID-19-like acute lung injury in hACE2 transgenic mice and barrier dysfunction in human endothelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 321, L477-L484.	1.3	82
114	Influenza Viruses: Innate Immunity and mRNA Vaccines. <i>Frontiers in Immunology</i> , 2021, 12, 710647.	2.2	22
116	Human TBK1 deficiency leads to autoinflammation driven by TNF-induced cell death. <i>Cell</i> , 2021, 184, 4447-4463.e20.	13.5	64
117	The "cytokine storm": molecular mechanisms and therapeutic prospects. <i>Trends in Immunology</i> , 2021, 42, 681-705.	2.9	156
119	A Phase I Randomized, Controlled, Clinical Trial of Valganciclovir in Idiopathic Pulmonary Fibrosis. <i>Annals of the American Thoracic Society</i> , 2021, 18, 1291-1297.	1.5	4
120	Cerebrospinal fluid in COVID-19 neurological complications: Neuroaxonal damage, anti-SARS-Cov2 antibodies but no evidence of cytokine storm. <i>Journal of the Neurological Sciences</i> , 2021, 427, 117517.	0.3	50
121	STAT1 N-terminal domain discriminatively controls type I and type II IFN signaling. <i>Cytokine</i> , 2021, 144, 155552.	1.4	7
122	Severe COVID-19 Patients Show an Increase in Soluble TNFR1 and ADAM17, with a Relationship to Mortality. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8423.	1.8	32

#	ARTICLE	IF	CITATIONS
123	Impaired immune response mediated by prostaglandin E2 promotes severe COVID-19 disease. PLoS ONE, 2021, 16, e0255335.	1.1	48
125	Cystatin C, COVID-19 severity and mortality: a systematic review and meta-analysis. Journal of Nephrology, 2021, , 1.	0.9	13
126	Low Doses of Radiation Increase the Immunosuppressive Profile of Lung Macrophages During Viral Infection and Pneumonia. International Journal of Radiation Oncology Biology Physics, 2021, 110, 1283-1294.	0.4	23
127	No evidence of human genome integration of SARS-CoV-2 found by long-read DNA sequencing. Cell Reports, 2021, 36, 109530.	2.9	39
128	Redox imbalance links COVID-19 and myalgic encephalomyelitis/chronic fatigue syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	140
129	The Role of the PFNA Operon of Bifidobacteria in the Recognition of Host's Immune Signals: Prospects for the Use of the FN3 Protein in the Treatment of COVID-19. International Journal of Molecular Sciences, 2021, 22, 9219.	1.8	11
132	SARS-CoV-2 Infection, COVID-19, and long covid: Saga of erratic immune response, waning immunity, and immune system failure. Journal of Pulmonology and Respiratory Research, 2021, 5, 078-087.	0.0	0
133	Necroptosis Underlies Neutrophilic Inflammation Associated with the Chronic Rhinosinusitis with Nasal Polyps (CRSwNP). Journal of Inflammation Research, 2021, Volume 14, 3969-3983.	1.6	8
134	COVID-19 Immunobiology: Lessons Learned, New Questions Arise. Frontiers in Immunology, 2021, 12, 719023.	2.2	28
135	Endogenous Regulation and Pharmacological Modulation of Sepsis-Induced HMGB1 Release and Action: An Updated Review. Cells, 2021, 10, 2220.	1.8	14
136	FNDC4 and FNDC5 reduce SARS-CoV-2 entry points and spike glycoprotein S1-induced pyroptosis, apoptosis, and necroptosis in human adipocytes. Cellular and Molecular Immunology, 2021, 18, 2457-2459.	4.8	29
137	A Biosafety Level 2 Mouse Model for Studying Betacoronavirus-Induced Acute Lung Damage and Systemic Manifestations. Journal of Virology, 2021, 95, e0127621.	1.5	23
138	Catecholamine Surges Cause Cardiomyocyte Necroptosis via a RIPK1-RIPK3-Dependent Pathway in Mice. Frontiers in Cardiovascular Medicine, 2021, 8, 740839.	1.1	8
139	Interleukin-1RA Mitigates SARS-CoV-2-Induced Inflammatory Lung Vascular Leakage and Mortality in Humanized K18-hACE-2 Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 2773-2785.	1.1	20
140	Early IFN- γ signatures and persistent dysfunction are distinguishing features of NK cells in severe COVID-19. Immunity, 2021, 54, 2650-2669.e14.	6.6	145
141	The interferon landscape along the respiratory tract impacts the severity of COVID-19. Cell, 2021, 184, 4953-4968.e16.	13.5	165
142	Neuropsychiatric manifestations of COVID-19, potential neurotropic mechanisms, and therapeutic interventions. Translational Psychiatry, 2021, 11, 499.	2.4	35
143	Case Report: Successful Treatment of Five Critically Ill Coronavirus Disease 2019 Patients Using Combination Therapy With Etoposide and Corticosteroids. Frontiers in Medicine, 2021, 8, 718641.	1.2	4

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144	TNF- α synergises with IFN- γ to induce caspase-8/JAK1/2-STAT1-dependent death of intestinal epithelial cells. <i>Cell Death and Disease</i> , 2021, 12, 864.	2.7	54
145	Necroptosis in Pulmonary Diseases: A New Therapeutic Target. <i>Frontiers in Pharmacology</i> , 2021, 12, 737129.	1.6	6
146	GDF15: an emerging modulator of immunity and a strategy in COVID-19 in association with iron metabolism. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 875-889.	3.1	30
147	SARS-CoV-2 and its beta variant of concern infect human conjunctival epithelial cells and induce differential antiviral innate immune response. <i>Ocular Surface</i> , 2022, 23, 184-194.	2.2	20
148	Pro-inflammatory microenvironment and systemic accumulation of CXCR3+ cell exacerbate lung pathology of old rhesus macaques infected with SARS-CoV-2. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 328.	7.1	11
149	Fatal cytokine release syndrome by an aberrant FLIP/STAT3 axis. <i>Cell Death and Differentiation</i> , 2022, 29, 420-438.	5.0	14
150	AIM2 forms a complex with pyrin and ZBP1 to drive PANoptosis and host defence. <i>Nature</i> , 2021, 597, 415-419.	13.7	221
151	Self-sustaining IL-8 loops drive a prothrombotic neutrophil phenotype in severe COVID-19. <i>JCI Insight</i> , 2021, 6, .	2.3	71
152	HOIP limits anti-tumor immunity by protecting against combined TNF and IFN- γ -induced apoptosis. <i>EMBO Reports</i> , 2021, 22, e53391.	2.0	21
153	Sepsis Inflammation Impairs the Generation of Functional Dendritic Cells by Targeting Their Progenitors. <i>Frontiers in Immunology</i> , 2021, 12, 732612.	2.2	10
154	PANoptosis in Viral Infection: The Missing Puzzle Piece in the Cell Death Field. <i>Journal of Molecular Biology</i> , 2022, 434, 167249.	2.0	43
155	Coronavirus disease-2019: A review on the disease exacerbation via cytokine storm and concurrent management. <i>International Immunopharmacology</i> , 2021, 99, 108049.	1.7	13
156	Between immunomodulation and immunotolerance: The role of IFN- γ in SARS-CoV-2 disease. <i>Cytokine</i> , 2021, 146, 155637.	1.4	22
157	Toxicological insights of Spike fragments SARS-CoV-2 by exposure environment: A threat to aquatic health?. <i>Journal of Hazardous Materials</i> , 2021, 419, 126463.	6.5	24
158	Nrf2 activator PB125 $\text{A}^{\text{®}}$ as a carnosic acid-based therapeutic agent against respiratory viral diseases, including COVID-19. <i>Free Radical Biology and Medicine</i> , 2021, 175, 56-64.	1.3	16
159	The iron(III) and nickel(II) complexes with tetradentate thiosemicarbazones. Synthesis, experimental, theoretical characterization, and antiviral effect against SARS-CoV-2. <i>Journal of Molecular Structure</i> , 2021, 1246, 131166.	1.8	21
160	The apoptosis of grass carp (<i>Ctenopharyngodon idella</i>) muscle during postmortem condition regulated by the cytokines via TOR and NF- κ B signaling pathways. <i>Food Chemistry</i> , 2022, 369, 130911.	4.2	12
161	Water extract of medicinal ink (WEMI) attenuates lipopolysaccharide-induced NO production of Raw264.7 cells via downregulating JAK2/STAT3-mediated iNOS expression. <i>Journal of Ethnopharmacology</i> , 2022, 282, 114636.	2.0	2

#	ARTICLE	IF	CITATIONS
162	Heat stress-induced endoplasmic reticulum stress promotes liver apoptosis in largemouth bass (<i>Micropterus salmoides</i>). <i>Aquaculture</i> , 2022, 546, 737401.	1.7	25
163	Differences in Highly Pathogenic H5N6 Avian Influenza Viral Pathogenicity and Inflammatory Response in Chickens and Ducks. <i>Frontiers in Microbiology</i> , 2021, 12, 593202.	1.5	6
164	Peripheral T cell lymphopenia in COVID-19: potential mechanisms and impact. <i>Immunotherapy Advances</i> , 2021, 1, .	1.2	14
165	Rapid and sustained decline in CXCL-10 (IP-10) annotates clinical outcomes following TNF α -antagonist therapy in hospitalized patients with severe and critical COVID-19 respiratory failure. <i>Journal of Clinical and Translational Science</i> , 2021, 5, e146.	0.3	25
166	RIPK1 Distinctly Regulates <i>Yersinia</i> -Induced Inflammatory Cell Death, PANoptosis. <i>ImmunoHorizons</i> , 2020, 4, 789-796.	0.8	69
167	The crosstalk between the caspase family and the cGAS ϵ 'STING signaling pathway. <i>Journal of Molecular Cell Biology</i> , 2021, 13, 739-747.	1.5	17
168	Integrated miRNA/Cytokine/Chemokine Profiling Reveals Severity-Associated Step Changes and Principal Correlates of Fatality in COVID-19. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
169	Focused evaluation of the roles of macrophages in chimeric antigen receptor (CAR) T cell therapy associated cytokine release syndrome. <i>Cancer Biology and Medicine</i> , 2021, 18, 0-0.	1.4	4
170	Caracterizaci3n y fisiopatolog3a del Sars-Cov-2, Revisi3n de la literatura actual. <i>Medicas UIS</i> , 2021, 34, .	0.0	0
171	ADAR1 restricts ZBP1-mediated immune response and PANoptosis to promote tumorigenesis. <i>Cell Reports</i> , 2021, 37, 109858.	2.9	157
172	Pathobiochemical pathways of redox imbalance in the neurological long-term effects of COVID-19 and the role of chondroitin sulfate in the redox status restoration. <i>Nevrologiya, Neiropsikhiatriya, Psikhosomatika</i> , 2021, 13, 109-115.	0.2	0
173	Parasitic helminth infections in humans modulate Trefoil Factor levels in a manner dependent on the species of parasite and age of the host. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009550.	1.3	2
174	The IFN α -inducible GTPase IRGB10 regulates viral replication and inflammasome activation during influenza A virus infection in mice. <i>European Journal of Immunology</i> , 2022, 52, 285-296.	1.6	1
175	Programming inflammatory cell death for therapy. , 2022, 232, 108010.		102
176	Outer Membrane Vesicles Displaying a Heterologous PcrV-HitA Fusion Antigen Promote Protection against Pulmonary <i>Pseudomonas aeruginosa</i> Infection. <i>MSphere</i> , 2021, 6, e0069921.	1.3	8
177	Differential roles of interferons in innate responses to mucosal viral infections. <i>Trends in Immunology</i> , 2021, 42, 1009-1023.	2.9	39
180	Diabetes, Heart Failure, and COVID-19: An Update. <i>Frontiers in Physiology</i> , 2021, 12, 706185.	1.3	7
181	Current Understanding of the Innate Control of Toll-like Receptors in Response to SARS-CoV-2 Infection. <i>Viruses</i> , 2021, 13, 2132.	1.5	29

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183	Signaling pathways in the regulation of cytokine release syndrome in human diseases and intervention therapy. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 367.	7.1	31
184	Pyroptosis-Induced Inflammation and Tissue Damage. <i>Journal of Molecular Biology</i> , 2022, 434, 167301.	2.0	44
185	Antiviral Potential of the Antimicrobial Drug Atovaquone against SARS-CoV-2 and Emerging Variants of Concern. <i>ACS Infectious Diseases</i> , 2021, 7, 3034-3051.	1.8	17
186	COVID-19 and Cancer: Discovery of Difference in Clinical Immune Indexes. <i>Journal of Immunology Research</i> , 2021, 2021, 1-12.	0.9	0
187	Immunometabolic Dysregulation at the Intersection of Obesity and COVID-19. <i>Frontiers in Immunology</i> , 2021, 12, 732913.	2.2	16
188	Genome-Wide Profiling Reveals Alternative Polyadenylation of Innate Immune-Related mRNA in Patients With COVID-19. <i>Frontiers in Immunology</i> , 2021, 12, 756288.	2.2	17
189	Redressing the interactions between stem cells and immune system in tissue regeneration. <i>Biology Direct</i> , 2021, 16, 18.	1.9	22
190	Off balance: Interferons in COVID-19 lung infections. <i>EBioMedicine</i> , 2021, 73, 103642.	2.7	31
191	The ubiquitin ligase HOIL-1L regulates immune responses by interacting with linear ubiquitin chains. <i>IScience</i> , 2021, 24, 103241.	1.9	3
192	COVID-19 and metabolic disease: mechanisms and clinical management. <i>Lancet Diabetes and Endocrinology</i> , 2021, 9, 786-798.	5.5	155
194	What Happens to the Immune System after Vaccination or Recovery from COVID-19?. <i>Life</i> , 2021, 11, 1152.	1.1	5
195	Immune interventions in COVID-19: a matter of time?. <i>Mucosal Immunology</i> , 2022, 15, 198-210.	2.7	14
196	Diversity of cell death signaling pathways in macrophages upon infection with modified vaccinia virus Ankara (MVA). <i>Cell Death and Disease</i> , 2021, 12, 1011.	2.7	8
197	Role of tumor necrosis factor- $\hat{\pm}$ in the mortality of hospitalized patients with severe and critical COVID-19 pneumonia. <i>Aging</i> , 2021, 13, 23895-23912.	1.4	16
198	Apoptosis, necroptosis, and pyroptosis in health and disease. , 2022, , 1-46.		0
199	Complex Pathophysiological Mechanisms and the Propose of the Three-Dimensional Schedule For Future COVID-19 Treatment. <i>Frontiers in Immunology</i> , 2021, 12, 716940.	2.2	1
200	Myeloid dysregulation and therapeutic intervention in COVID-19. <i>Seminars in Immunology</i> , 2021, 55, 101524.	2.7	9
202	Innate Immunity and Cell Death in Alzheimer's Disease. <i>ASN Neuro</i> , 2021, 13, 17590914211051908.	1.5	1

#	ARTICLE	IF	CITATIONS
203	Do pyroptosis, apoptosis, and necroptosis (PANoptosis) exist in cerebral ischemia? Evidence from cell and rodent studies. <i>Neural Regeneration Research</i> , 2022, 17, 1761.	1.6	63
204	Endothelial contribution to COVID-19: an update on mechanisms and therapeutic implications. <i>Journal of Molecular and Cellular Cardiology</i> , 2022, 164, 69-82.	0.9	34
205	Integrated stress response restricts macrophage necroptosis. <i>Life Science Alliance</i> , 2022, 5, e202101260.	1.3	2
206	CoV-RBD121-NP Vaccine Candidate Protects against Symptomatic Disease following SARS-CoV-2 Challenge in K18-hACE2 Mice and Induces Protective Responses That Prevent COVID-19-Associated Immunopathology. <i>Vaccines</i> , 2021, 9, 1346.	2.1	3
207	COVID-19 Pandemic as Risk Factors for Excessive Weight Gain in Pediatrics: The Role of Changes in Nutrition Behavior. A Narrative Review. <i>Nutrients</i> , 2021, 13, 4255.	1.7	55
208	The multiomics landscape of serum exosomes during the development of sepsis. <i>Journal of Advanced Research</i> , 2022, 39, 203-223.	4.4	15
210	Impact of the Innate Inflammatory Response on ICU Admission and Death in Hospitalized Patients with COVID-19. <i>Biomedicines</i> , 2021, 9, 1675.	1.4	8
211	Inhibiting ACSL1-Related Ferroptosis Restrains Murine Coronavirus Infection. <i>Viruses</i> , 2021, 13, 2383.	1.5	17
212	Animal models for SARS-CoV-2 infection and pathology. <i>MedComm</i> , 2021, 2, 548-568.	3.1	19
213	Pathogenesis and Treatment of Cytokine Storm Induced by Infectious Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13009.	1.8	34
214	Programmed Cell Death Pathways in the Pathogenesis of Idiopathic Inflammatory Myopathies. <i>Frontiers in Immunology</i> , 2021, 12, 783616.	2.2	10
215	High Levels of Circulating IL-6 and IL-8 Signature can Predict COVID-19 Severity. <i>Jundishapur Journal of Microbiology</i> , 2021, 14, .	0.2	1
216	The COVID-19 Pandemic: Reflections of Science, Person, and Challenge in Academic Research Settings. <i>Journal of NeuroImmune Pharmacology</i> , 2021, 16, 706-717.	2.1	1
217	Fostering experimental and computational synergy to modulate hyperinflammation. <i>Trends in Immunology</i> , 2022, 43, 4-7.	2.9	7
218	A review of natural products, their effects on SARS-CoV-2 and their utility as lead compounds in the discovery of drugs for the treatment of COVID-19. <i>Medicinal Chemistry Research</i> , 2022, 31, 40-51.	1.1	19
219	The immunology and immunotherapy for COVID-19. <i>Expert Reviews in Molecular Medicine</i> , 2021, 23, e24.	1.6	2
220	Innate Immunity and Cell Death in Alzheimer's Disease. <i>ASN Neuro</i> , 2021, 13, 175909142110519.	1.5	19
221	TNF-TNFR1 Signaling Enhances the Protection Against <i>Neospora caninum</i> Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 789398.	1.8	1

#	ARTICLE	IF	CITATIONS
222	Ferulic acid exhibits anti-inflammatory effects by inducing autophagy and blocking NLRP3 inflammasome activation. <i>Molecular and Cellular Toxicology</i> , 2022, 18, 509-519.	0.8	17
223	Integrated miRNA/cytokine/chemokine profiling reveals severity-associated step changes and principal correlates of fatality in COVID-19. <i>IScience</i> , 2022, 25, 103672.	1.9	25
224	Apelin participates in host defense against bacterial infection and promotes bacterial clearance in large yellow croaker (<i>Larimichthys crocea</i>). <i>Aquaculture</i> , 2022, 549, 737803.	1.7	1
225	Network modeling-based identification of the switching targets between pyroptosis and secondary pyroptosis. <i>Chaos, Solitons and Fractals</i> , 2022, 155, 111724.	2.5	9
226	ACE2 Overexpressing Mesenchymal Stem Cells Alleviates COVID-19 Lung Injury by Inhibiting Pyroptosis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
227	Verlauf von COVID-19-Erkrankungen: Angeborenes Immunsystem spielt untergeordnete Rolle. , 0, , .		0
228	Pulmonary Mesenchymal Stem Cells in Mild Cases of COVID-19 Are Dedicated to Proliferation; In Severe Cases, They Control Inflammation, Make Cell Dispersion, and Tissue Regeneration. <i>Frontiers in Immunology</i> , 2021, 12, 780900.	2.2	8
229	Identification of a Novel Prognostic Signature Related to PANoptosis and Its Regulatory Mechanism as Well as Targeted Treatment of Active Ingredients and Traditional Chinese Medicine in Lung Adenocarcinoma. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
230	MiR-223-3p Regulates Autophagy and Inflammation by Targeting ATG16L1 in <i>Fusarium solani</i> -Induced Keratitis. , 2022, 63, 41.		10
231	TRK-fused gene (TFC) regulates ULK1 stability via TRAF3-mediated ubiquitination and protects macrophages from LPS-induced pyroptosis. <i>Cell Death and Disease</i> , 2022, 13, 93.	2.7	15
232	Engineered ACE2 decoy mitigates lung injury and death induced by SARS-CoV-2 variants. <i>Nature Chemical Biology</i> , 2022, 18, 342-351.	3.9	63
233	Administration of aerosolized SARS-CoV-2 to K18-hACE2 mice uncouples respiratory infection from fatal neuroinvasion. <i>Science Immunology</i> , 2022, 7, .	5.6	61
234	Immune-Guided Therapy of COVID-19. <i>Cancer Immunology Research</i> , 2022, 10, 384-402.	1.6	20
235	Innate immunological pathways in COVID-19 pathogenesis. <i>Science Immunology</i> , 2022, 7, eabm5505.	5.6	101
236	Tracking Cell Viability for Adipose-Derived Mesenchymal Stem Cell-Based Therapy by Quantitative Fluorescence Imaging in the Second Near-Infrared Window. <i>ACS Nano</i> , 2022, 16, 2889-2900.	7.3	22
237	ACE2 is the critical in vivo receptor for SARS-CoV-2 in a novel COVID-19 mouse model with TNF- and IFN γ -driven immunopathology. <i>ELife</i> , 2022, 11, .	2.8	42
239	Revisiting Metchnikoff's work in light of the COVID-19 pandemic. <i>Innate Immunity</i> , 2022, 28, 57-66.	1.1	1
241	Hyperinflammatory environment drives dysfunctional myeloid cell effector response to bacterial challenge in COVID-19. <i>PLoS Pathogens</i> , 2022, 18, e1010176.	2.1	20

#	ARTICLE	IF	CITATIONS
242	African swine fever virus cysteine protease pS273R inhibits pyroptosis by noncanonically cleaving gasdermin D. <i>Journal of Biological Chemistry</i> , 2022, 298, 101480.	1.6	34
243	Circ_0004354 might compete with circ_0040039 to induce NPCs death and inflammatory response by targeting miR-345-3p-FAF1/TP73 axis in intervertebral disc degeneration. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-21.	1.9	9
244	T cell apoptosis characterizes severe Covid-19 disease. <i>Cell Death and Differentiation</i> , 2022, 29, 1486-1499.	5.0	90
245	SARS-CoV-2 infection induces a pro-inflammatory cytokine response through cGAS-STING and NF- κ B. <i>Communications Biology</i> , 2022, 5, 45.	2.0	133
246	Role of Polypeptide Inflammatory Biomarkers in the Diagnosis and Monitoring of COVID-19. <i>International Journal of Peptide Research and Therapeutics</i> , 2022, 28, 59.	0.9	7
247	Advances in the development of therapeutic strategies against COVID-19 and perspectives in the drug design for emerging SARS-CoV-2 variants. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 824-837.	1.9	49
249	Improvement of pneumonia by curcumin-loaded bionanosystems based on platycodon grandiflorum polysaccharides via calming cytokine storm. <i>International Journal of Biological Macromolecules</i> , 2022, 202, 691-706.	3.6	20
250	Coronavirus disease 2019-associated encephalopathy: Characteristic brainstem and bilateral temporal lobe involvement. <i>Clinical and Experimental Neuroimmunology</i> , 0, , .	0.5	0
251	Innate immunity: the first line of defense against SARS-CoV-2. <i>Nature Immunology</i> , 2022, 23, 165-176.	7.0	303
252	Can FeNO be a biomarker in the post-COVID-19 patients monitoring?. <i>Respiratory Medicine</i> , 2022, 193, 106745.	1.3	10
254	Interferon- β Preferentially Promotes Necroptosis of Lung Epithelial Cells by Upregulating MLKL. <i>Cells</i> , 2022, 11, 563.	1.8	9
255	Efficacy and safety of baricitinib plus standard of care for the treatment of critically ill hospitalised adults with COVID-19 on invasive mechanical ventilation or extracorporeal membrane oxygenation: an exploratory, randomised, placebo-controlled trial. <i>Lancet Respiratory Medicine</i> , the, 2022, 10, 327-336.	5.2	131
256	SARS-CoV-2-Specific Immune Response and the Pathogenesis of COVID-19. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1716.	1.8	107
258	Targeting TNF- α for COVID-19: Recent Advanced and Controversies. <i>Frontiers in Public Health</i> , 2022, 10, 833967.	1.3	67
259	Long-Term Persisting SARS-CoV-2 RNA and Pathological Findings: Lessons Learnt From a Series of 35 COVID-19 Autopsies. <i>Frontiers in Medicine</i> , 2022, 9, 778489.	1.2	18
260	In Patients with Severe COVID-19, the Profound Decrease in the Peripheral Blood T-Cell Subsets Is Correlated with an Increase of QuantiFERON-TB Gold Plus Indeterminate Rates and Reflecting a Reduced Interferon-Gamma Production. <i>Life</i> , 2022, 12, 244.	1.1	6
261	AKR1B10, One of the Triggers of Cytokine Storm in SARS-CoV2 Severe Acute Respiratory Syndrome. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1911.	1.8	10
262	Interferon- β primes macrophages for pathogen ligand-induced killing via a caspase-8 and mitochondrial cell death pathway. <i>Immunity</i> , 2022, 55, 423-441.e9.	6.6	61

#	ARTICLE	IF	CITATIONS
263	Oral famotidine versus placebo in non-hospitalised patients with COVID-19: a randomised, double-blind, data-intense, phase 2 clinical trial. <i>Gut</i> , 2022, 71, 879-888.	6.1	24
264	Modulation of the NLRP3 inflammasome by Sars-CoV-2 Envelope protein. <i>Scientific Reports</i> , 2021, 11, 24432.	1.6	51
265	Intravenous administration of BCG protects mice against lethal SARS-CoV-2 challenge. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	62
266	Administration of aerosolized SARS-CoV-2 to K18-hACE2 mice uncouples respiratory infection from fatal neuroinvasion. <i>Science Immunology</i> , 2021, , eabl9929.	5.6	3
267	Potential regulatory mechanism of TNF- α /TNFR1/ANXA1 in glioma cells and its role in glioma cell proliferation. <i>Open Life Sciences</i> , 2022, 17, 208-220.	0.6	2
269	Hematopoietic stem and progenitor cells improve survival from sepsis by boosting immunomodulatory cells. <i>ELife</i> , 2022, 11, .	2.8	11
270	An Assessment of Men Semen Alterations in SARS-CoV-2: Is Fever the Principal Concern?. <i>Reproductive Sciences</i> , 2023, 30, 72-80.	1.1	13
271	Gasdermin-E Mediated Pyroptosis—A Novel Mechanism Regulating Migration, Invasion and Release of Inflammatory Cytokines in Rheumatoid Arthritis Fibroblast-like Synoviocytes. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 810635.	1.8	12
272	Female sex hormone, progesterone, ameliorates the severity of SARS-CoV-2-caused pneumonia in the Syrian hamster model. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 47.	7.1	12
273	Pro-resolving therapies as potential adjunct treatment for infectious diseases: Evidence from studies with annexin A1 and angiotensin-(1-7). <i>Seminars in Immunology</i> , 2022, 59, 101601.	2.7	7
275	Development and Validation of a Necroptosis-Related Prognostic Model in Head and Neck Squamous Cell Carcinoma. <i>Journal of Oncology</i> , 2022, 2022, 1-15.	0.6	3
276	Phosphorylated NFS1 weakens oxaliplatin-based chemosensitivity of colorectal cancer by preventing PANoptosis. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 54.	7.1	84
277	SARS-CoV-2 Infects Primary Neurons from Human ACE2 Expressing Mice and Upregulates Genes Involved in the Inflammatory and Necroptotic Pathways. <i>Pathogens</i> , 2022, 11, 257.	1.2	25
278	Stratification of hospitalized COVID-19 patients into clinical severity progression groups by immuno-phenotyping and machine learning. <i>Nature Communications</i> , 2022, 13, 915.	5.8	32
279	The Transcription Factor IRF9 Promotes Colorectal Cancer via Modulating the IL-6/STAT3 Signaling Axis. <i>Cancers</i> , 2022, 14, 919.	1.7	6
280	Hepatic TGF β 1 Deficiency Attenuates Lipopolysaccharide/D-Galactosamine-Induced Acute Liver Failure Through Inhibiting GSK3 β -Nrf2-Mediated Hepatocyte Apoptosis and Ferroptosis. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2022, 13, 1649-1672.	2.3	32
281	CD8 ⁺ T Cells and fatty acids orchestrate tumor ferroptosis and immunity via ACSL4. <i>Cancer Cell</i> , 2022, 40, 365-378.e6.	7.7	250
282	CD4 ⁺ T-Cell Dysfunction in Severe COVID-19 Disease Is Tumor Necrosis Factor- α /Tumor Necrosis Factor Receptor 1-Dependent. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 1403-1418.	2.5	21

#	ARTICLE	IF	CITATIONS
283	Host and Viral Zinc-Finger Proteins in COVID-19. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3711.	1.8	8
284	SARS-CoV-2 pirates the kidneys: A scar(y) story. <i>Cell Metabolism</i> , 2022, 34, 352-354.	7.2	1
285	Deciphering the Neurosensory Olfactory Pathway and Associated Neo-Immunometabolic Vulnerabilities Implicated in COVID-Associated Mucormycosis (CAM) and COVID-19 in a Diabetes Backdrop—A Novel Perspective. <i>International Journal of Diabetology</i> , 2022, 3, 193-235.	0.9	6
286	Programmed cell death: the pathways to severe COVID-19?. <i>Biochemical Journal</i> , 2022, 479, 609-628.	1.7	30
287	Myocarditis and COVID-19 mRNA vaccines: a mechanistic hypothesis involving dsRNA. <i>Future Virology</i> , 2022, 17, 191-196.	0.9	17
288	Identification of a novel prognostic signature related to PANoptosis and its regulatory mechanism as well as targeted treatment of active ingredients and traditional Chinese medicine in lung adenocarcinoma. <i>Pharmacological Research Modern Chinese Medicine</i> , 2022, 2, 100069.	0.5	3
289	The domiNO effect turns macrophage activation deadly. <i>Immunity</i> , 2022, 55, 382-384.	6.6	1
290	Computational profiling of natural compounds as promising inhibitors against the spike proteins of SARS-CoV-2 wild-type and the variants of concern, viral cell entry process, and cytokine storm in COVID-19. <i>Journal of Cellular Biochemistry</i> , 2022, 123, 964-986.	1.2	8
291	T Cell Metabolism in Infection. <i>Frontiers in Immunology</i> , 2022, 13, 840610.	2.2	45
293	Immunogenicity mechanism of mRNA vaccines and their limitations in promoting adaptive protection against SARS-CoV-2. <i>PeerJ</i> , 2022, 10, e13083.	0.9	14
294	Engineered EGCG-Containing Biomimetic Nanoassemblies as Effective Delivery Platform for Enhanced Cancer Therapy. <i>Advanced Science</i> , 2022, 9, e2105894.	5.6	13
295	The Immune Response to SARS-CoV-2: Mechanisms, Aging, Sequelae, and Vaccines. <i>Mini-Reviews in Medicinal Chemistry</i> , 2022, 22, 2166-2185.	1.1	3
296	Inspiration for COVID-19 Treatment: Network Analysis and Experimental Validation of Baicalin for Cytokine Storm. <i>Frontiers in Pharmacology</i> , 2022, 13, 853496.	1.6	10
297	NLRC4 Deficiency Leads to Enhanced Phosphorylation of MLKL and Necroptosis. <i>ImmunoHorizons</i> , 2022, 6, 243-252.	0.8	4
298	Sulforaphane exhibits antiviral activity against pandemic SARS-CoV-2 and seasonal HCoV-OC43 coronaviruses in vitro and in mice. <i>Communications Biology</i> , 2022, 5, 242.	2.0	42
299	Programmed Cell Death Tunes Tumor Immunity. <i>Frontiers in Immunology</i> , 2022, 13, 847345.	2.2	71
300	SARS-CoV-2 pathogenesis. <i>Nature Reviews Microbiology</i> , 2022, 20, 270-284.	13.6	404
301	Therapeutic Potential of Combining IL-6 and TNF Blockade in a Mouse Model of Allergic Asthma. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3521.	1.8	8

#	ARTICLE	IF	CITATIONS
302	COVID-19 pandemic: the delta variant, T-cell responses, and the efficacy of developing vaccines. <i>Inflammation Research</i> , 2022, 71, 377-396.	1.6	11
303	New AKT-dependent mechanisms of anti-COVID-19 action of high-CBD Cannabis sativa extracts. <i>Cell Death Discovery</i> , 2022, 8, 110.	2.0	10
304	Polysaccharides From the Aerial Parts of <i>Tetragium Hemsleyanum</i> Diels et Gilg Induce Bidirectional Immunity and Ameliorate LPS-Induced Acute Respiratory Distress Syndrome in Mice. <i>Frontiers in Pharmacology</i> , 2022, 13, 838873.	1.6	1
305	Structural basis of human IL-18 sequestration by the decoy receptor IL-18 binding protein in inflammation and tumor immunity. <i>Journal of Biological Chemistry</i> , 2022, 298, 101908.	1.6	9
306	COVID-19 and Diabetic Nephropathy. <i>Hormone and Metabolic Research</i> , 2022, 54, 510-513.	0.7	4
307	<i>OAS1</i> rs1131454 genetic variant is associated with Alzheimer's disease: an epidemiological analysis. <i>Brain</i> , 2022, 145, e61-e63.	3.7	2
308	ACE2 overexpressing mesenchymal stem cells alleviates COVID-19 lung injury by inhibiting pyroptosis. <i>IScience</i> , 2022, 25, 104046.	1.9	4
309	Potential Pathophysiological Mechanisms Underlying Multiple Organ Dysfunction in Cytokine Release Syndrome. <i>Mediators of Inflammation</i> , 2022, 2022, 1-17.	1.4	10
310	Morphological and Immunopathological Aspects of Lingual Tissues in COVID-19. <i>Cells</i> , 2022, 11, 1248.	1.8	11
311	The Role of Cytokines and Chemokines in Severe Acute Respiratory Syndrome Coronavirus 2 Infections. <i>Frontiers in Immunology</i> , 2022, 13, 832394.	2.2	56
312	Rapid electrochemical dual-target biosensor composed of an Aptamer/MXene hybrid on Au microgap electrodes for cytokines detection. <i>Biosensors and Bioelectronics</i> , 2022, 207, 114159.	5.3	36
314	COVID-19 and gut immunomodulation. <i>World Journal of Gastroenterology</i> , 2021, 27, 7925-7942.	1.4	14
315	COVID-19 and Venous Thromboembolism: From Pathological Mechanisms to Clinical Management. <i>Journal of Personalized Medicine</i> , 2021, 11, 1328.	1.1	6
316	Differential Co-Expression Network Analysis Reveals Key Hub-High Traffic Genes as Potential Therapeutic Targets for COVID-19 Pandemic. <i>Frontiers in Immunology</i> , 2021, 12, 789317.	2.2	34
317	Cysteamine with In Vitro Antiviral Activity and Immunomodulatory Effects Has the Potential to Be a Repurposing Drug Candidate for COVID-19 Therapy. <i>Cells</i> , 2022, 11, 52.	1.8	11
318	NCOA4-Mediated Ferritinophagy: A Vicious Culprit in COVID-19 Pathogenesis?. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 761793.	1.6	10
319	Coronavirus Infection-Associated Cell Death Signaling and Potential Therapeutic Targets. <i>Molecules</i> , 2021, 26, 7459.	1.7	30
320	Ongoing Use of SSRIs Does Not Alter Outcome in Hospitalized COVID-19 Patients: A Retrospective Analysis. <i>Journal of Clinical Medicine</i> , 2022, 11, 70.	1.0	16

#	ARTICLE	IF	CITATIONS
321	The role of necroptosis in disease and treatment. <i>MedComm</i> , 2021, 2, 730-755.	3.1	27
322	PANoptosis: A New Insight Into Oral Infectious Diseases. <i>Frontiers in Immunology</i> , 2021, 12, 789610.	2.2	31
323	Overlapping but Disparate Inflammatory and Immunosuppressive Responses to SARS-CoV-2 and Bacterial Sepsis: An Immunological Time Course Analysis. <i>Frontiers in Immunology</i> , 2021, 12, 792448.	2.2	18
324	Methods for monitoring cancer cell pyroptosis. <i>Cancer Biology and Medicine</i> , 2021, 19, 398-414.	1.4	18
325	Tanshinone IIA Has a Potential Therapeutic Effect on Kawasaki Disease and Suppresses Megakaryocytes in Rabbits With Immune Vasculitis. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 873851.	1.1	3
326	Identification of Neutrophil-Related Factor LCN2 for Predicting Severity of Patients With Influenza A Virus and SARS-CoV-2 Infection. <i>Frontiers in Microbiology</i> , 2022, 13, 854172.	1.5	6
327	Cell pyroptosis in health and inflammatory diseases. <i>Cell Death Discovery</i> , 2022, 8, 191.	2.0	29
328	Silencing ATF3 Might Delay TBHP-Induced Intervertebral Disc Degeneration by Repressing NPC Ferroptosis, Apoptosis, and ECM Degradation. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-17.	1.9	13
329	Beneficial ex vivo immunomodulatory and clinical effects of clarithromycin in COVID-19. <i>Journal of Infection and Chemotherapy</i> , 2022, , .	0.8	0
330	Nonresolving inflammation redux. <i>Immunity</i> , 2022, 55, 592-605.	6.6	35
331	Characterization of PANoptosis patterns predicts survival and immunotherapy response in gastric cancer. <i>Clinical Immunology</i> , 2022, 238, 109019.	1.4	53
332	Placental mesenchymal stem cells boost M2 alveolar over M1 bone marrow macrophages via IL-1 β in Klebsiella-mediated acute respiratory distress syndrome. <i>Thorax</i> , 2023, 78, 504-514.	2.7	4
334	It's All in the PAN: Crosstalk, Plasticity, Redundancies, Switches, and Interconnectedness Encompassed by PANoptosis Underlying the Totality of Cell Death-Associated Biological Effects. <i>Cells</i> , 2022, 11, 1495.	1.8	37
335	SARS-CoV-2 and Multiple Sclerosis: Potential for Disease Exacerbation. <i>Frontiers in Immunology</i> , 2022, 13, 871276.	2.2	13
336	High-affinity Fc γ RIIIa genetic variants and potent NK cell-mediated antibody-dependent cellular cytotoxicity (ADCC) responses contributing to severe COVID-19. <i>Genetics in Medicine</i> , 2022, 24, 1449-1458.	1.1	12
337	JAK inhibitor blocks COVID-19 cytokine-induced JAK/STAT/APOL1 signaling in glomerular cells and podocytopathy in human kidney organoids. <i>JCI Insight</i> , 2022, 7, .	2.3	21
338	Identification of serum metabolites enhancing inflammatory responses in COVID-19. <i>Science China Life Sciences</i> , 2022, 65, 1971-1984.	2.3	6
339	Cytokine Responses to Adenovirus and Adenovirus Vectors. <i>Viruses</i> , 2022, 14, 888.	1.5	18

#	ARTICLE	IF	CITATIONS
340	Combined Network Pharmacology, Molecular Docking, and Experimental Verification Approach to Investigate the Potential Mechanisms of Polydatin Against COVID-19. <i>Natural Product Communications</i> , 2022, 17, 1934578X2210953.	0.2	3
341	DEAD/H-Box Helicases in Immunity, Inflammation, Cell Differentiation, and Cell Death and Disease. <i>Cells</i> , 2022, 11, 1608.	1.8	11
342	Differential susceptibility to SARS-CoV-2 in the normal nasal mucosa and in chronic sinusitis. <i>European Journal of Immunology</i> , 2022, , .	1.6	3
343	Immunouniverse of SARS-CoV-2. <i>Immunological Medicine</i> , 2022, 45, 186-224.	1.4	8
344	High Expression of HERV-K (HML-2) Might Stimulate Interferon in COVID-19 Patients. <i>Viruses</i> , 2022, 14, 996.	1.5	9
345	HDAC Inhibition as Potential Therapeutic Strategy to Restore the Deregulated Immune Response in Severe COVID-19. <i>Frontiers in Immunology</i> , 2022, 13, 841716.	2.2	15
346	Necroptosis and Viral Myocarditis: Tumor Necrosis Factor $\hat{\pm}$ as a Novel Biomarker for the Diagnosis of Viral Myocarditis. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .	1.8	1
347	Mucosal immune responses to infection and vaccination in the respiratory tract. <i>Immunity</i> , 2022, 55, 749-780.	6.6	66
348	ADAM10 and ADAM17 promote SARS-CoV-2 cell entry and spike protein-mediated lung cell fusion. <i>EMBO Reports</i> , 2022, 23, e54305.	2.0	57
350	Tankyrase-mediated ADP-ribosylation is a regulator of TNF-induced death. <i>Science Advances</i> , 2022, 8, eabh2332.	4.7	9
351	SARS-CoV-2 Envelope (E) Protein Binds and Activates TLR2 Pathway: A Novel Molecular Target for COVID-19 Interventions. <i>Viruses</i> , 2022, 14, 999.	1.5	23
352	Lethal synergy between SARS-CoV-2 and <i>Streptococcus pneumoniae</i> in hACE2 mice and protective efficacy of vaccination. <i>JCI Insight</i> , 2022, 7, .	2.3	14
353	Organ-specific immune response in lethal SARS-CoV-2 infection by deep spatial phenotyping. <i>Clinical and Translational Immunology</i> , 2022, 11, .	1.7	0
354	Immune response in COVID-19: what is next?. <i>Cell Death and Differentiation</i> , 2022, 29, 1107-1122.	5.0	69
355	Immunosuppressant Therapies in COVID-19: Is the TNF Axis an Alternative?. <i>Pharmaceuticals</i> , 2022, 15, 616.	1.7	7
356	Endothelialitis, Microischemia, and Intussusceptive Angiogenesis in COVID-19. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2022, , a041157.	2.9	7
357	ZBP1-dependent inflammatory cell death, PANoptosis, and cytokine storm disrupt IFN therapeutic efficacy during coronavirus infection. <i>Science Immunology</i> , 2022, 7, eabo6294.	5.6	82
358	Emerging Role of ZBP1 in Z-RNA Sensing, Influenza Virus-Induced Cell Death, and Pulmonary Inflammation. <i>MBio</i> , 2022, 13, e0040122.	1.8	18

#	ARTICLE	IF	CITATIONS
359	SARS-CoV-2 host-shutoff impacts innate NK cell functions, but antibody-dependent NK activity is strongly activated through non-spike antibodies. <i>ELife</i> , 2022, 11, .	2.8	34
360	Article Review: Toll-like Receptors and COVID-19. <i>International Journal for Research in Applied Sciences and Biotechnology</i> , 2022, 9, 78-95.	0.2	0
362	Immunopathogenic overlap between COVID-19 and tuberculosis identified from transcriptomic meta-analysis and human macrophage infection. <i>IScience</i> , 2022, 25, 104464.	1.9	19
363	MXene-based aptasensors: Advances, challenges, and prospects. <i>Progress in Materials Science</i> , 2022, 129, 100967.	16.0	46
364	Puerarin: A Potential Therapeutic for SARS-CoV-2 and Hantavirus Co-Infection. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	2
365	No longer married to inflammasome signaling: the diverse interacting pathways leading to pyroptotic cell death. <i>Biochemical Journal</i> , 2022, 479, 1083-1102.	1.7	17
367	SARS-CoV-2-specific T cells associate with inflammation and reduced lung function in pulmonary post-acute sequelae of SARS-CoV-2. <i>PLoS Pathogens</i> , 2022, 18, e1010359.	2.1	57
368	<scp>TNF</scp>â€±/<scp>IFN</scp>â€³ synergy amplifies senescenceâ€associated inflammation and <scp>SARSâ€CoV</scp>â€2 receptor expression via hyperâ€activated <scp>JAK</scp>/<scp>STAT1</scp>. <i>Aging Cell</i> , 2022, 21, .	3.0	31
369	Screening the hub genes and analyzing the mechanisms in discharged COVIDâ€19 patients retesting positive through bioinformatics analysis. <i>Journal of Clinical Laboratory Analysis</i> , 0, , .	0.9	6
370	Epigenetics at the Intersection of COVID-19 Risk and Environmental Chemical Exposures. <i>Current Environmental Health Reports</i> , 2022, 9, 477-489.	3.2	6
371	Cytokine Profile of Invasive Pulmonary Aspergillosis in Severe COVID-19 and Possible Therapeutic Targets. <i>Diagnostics</i> , 2022, 12, 1364.	1.3	5
372	The Correlation Between Immune Invasion and SARS-COV-2 Entry Protein ADAM17 in Cancer Patients by Bioinformatic Analysis. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	14
373	Vitamin C and its therapeutic potential in the management of COVID19. <i>Clinical Nutrition ESPEN</i> , 2022, 50, 8-14.	0.5	8
374	A subunit vaccine candidate based on the Spike protein of SARS-CoV-2 prevents infectious virus shedding in cats. <i>Research in Veterinary Science</i> , 2022, 148, 52-64.	0.9	0
375	Identification of Hub Genes and Key Pathways in TNF-Î± and IFN-Î³ Induced Cytokine Storms via Bioinformatics. , 2022, , .		3
376	Immune system changes in those with hypertension when infected with SARS-CoV-2. <i>Cellular Immunology</i> , 2022, 378, 104562.	1.4	2
377	Cell deaths: Involvement in the pathogenesis and intervention therapy of COVID-19. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, .	7.1	31
378	Immunometabolic analysis shows a distinct cyto-metabotype in Covid-19 compared to sepsis from other causes. <i>Heliyon</i> , 2022, 8, e09733.	1.4	2

#	ARTICLE	IF	CITATIONS
379	suPAR to Risk-Stratify Patients With Malaria. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	1
380	Interferon-mediated repression of <i>miR-324-5p</i> potentiates necroptosis to facilitate antiviral defense. <i>EMBO Reports</i> , 2022, 23, .	2.0	6
381	Attenuated transcriptional response to pro-inflammatory cytokines in schizophrenia hiPSC-derived neural progenitor cells. <i>Brain, Behavior, and Immunity</i> , 2022, 105, 82-97.	2.0	7
382	Application of Monoclonal Antibody Drugs in Treatment of COVID-19: a Review. <i>BioNanoScience</i> , 2022, 12, 1436-1454.	1.5	2
383	The efficacy and safety of combined chinese herbal medicine and western medicine therapy for COVID-19: a systematic review and meta-analysis. <i>Chinese Medicine</i> , 2022, 17, .	1.6	9
384	Potential mechanism of <i>SARS-CoV-2</i> associated central and peripheral nervous system impairment. <i>Acta Neurologica Scandinavica</i> , 2022, 146, 225-236.	1.0	6
385	Hallmarks of Severe COVID-19 Pathogenesis: A Pas de Deux Between Viral and Host Factors. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	10
386	Impaired interferon- β signaling promotes the development of silicosis. <i>IScience</i> , 2022, 25, 104647.	1.9	3
387	Innate Immune Cell Death in Neuroinflammation and Alzheimer's Disease. <i>Cells</i> , 2022, 11, 1885.	1.8	49
388	In:Ge/Cu@calcein polyhedral nanostructure conducted photoelectrochemical biosensor for detection of IFN-gamma. <i>Chinese Journal of Analytical Chemistry</i> , 2022, 50, 100141.	0.9	0
389	Integration and Reanalysis of Four RNA-Seq Datasets Including BALF, Nasopharyngeal Swabs, Lung Biopsy, and Mouse Models Reveals Common Immune Features of COVID-19. <i>Immune Network</i> , 2022, 22, .	1.6	4
390	The nervous system during <i>COVID-19</i> : Caught in the crossfire. <i>Immunological Reviews</i> , 2022, 311, 90-111.	2.8	9
391	Modeling recapitulates the heterogeneous outcomes of SARS-CoV-2 infection and quantifies the differences in the innate immune and CD8 T-cell responses between patients experiencing mild and severe symptoms. <i>PLoS Pathogens</i> , 2022, 18, e1010630.	2.1	14
392	Type I IFN Signaling Is Essential for Preventing IFN- β Hyperproduction and Subsequent Deterioration of Antibacterial Immunity during Postinfluenza Pneumococcal Infection. <i>Journal of Immunology</i> , 2022, 209, 128-135.	0.4	5
393	Pathway of Cell Death and Its Role in Virus Infection. <i>Viral Immunology</i> , 2022, 35, 444-456.	0.6	4
394	Revisiting Regulated Cell Death Responses in Viral Infections. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7023.	1.8	11
395	Modeling Kaempferol as a Potential Pharmacological Agent for COVID-19/PF Co-Occurrence Based on Bioinformatics and System Pharmacological Tools. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	8
396	Considering innate immune responses in SARS-CoV-2 infection and COVID-19. <i>Nature Reviews Immunology</i> , 2022, 22, 465-470.	10.6	14

#	ARTICLE	IF	CITATIONS
397	Serum gasdermin D levels are associated with the chest computed tomography findings and severity of COVID-19. <i>Respiratory Investigation</i> , 2022, 60, 750-761.	0.9	3
398	Serinc2 deficiency causes susceptibility to sepsis-associated acute lung injury. <i>Journal of Inflammation</i> , 2022, 19, .	1.5	8
399	Additional Evidence for Commonalities between COVID-19 and Radiation Injury: Novel Insight into COVID-19 Candidate Drugs. <i>Radiation Research</i> , 2022, 198, .	0.7	4
400	Biological Effects and Mechanisms of Caspases in Early Brain Injury after Subarachnoid Hemorrhage. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-14.	1.9	8
401	Condensed Fuzheng extract increases immune function in mice with cyclophosphamide-induced immunosuppression. <i>Food Science and Nutrition</i> , 2022, 10, 3865-3875.	1.5	2
402	COVID-19, obesity, and immune response 2 years after the pandemic: A timeline of scientific advances. <i>Obesity Reviews</i> , 2022, 23, .	3.1	6
403	Pyroptotic Patterns in Blood Leukocytes Predict Disease Severity and Outcome in COVID-19 Patients. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	2
404	Excessive IL-10 and IL-18 trigger hemophagocytic lymphohistiocytosis-like hyperinflammation and enhanced myelopoiesis. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 150, 1154-1167.	1.5	5
405	Junctional adhesion molecule-A deletion increases phagocytosis and improves survival in a murine model of sepsis. <i>JCI Insight</i> , 2022, 7, .	2.3	6
406	MSC-Exosomes Carrying miRNA " Could they Enhance Tocilizumab Activity in Neuropathology of COVID-19?. <i>Stem Cell Reviews and Reports</i> , 2023, 19, 279-283.	1.7	3
407	PANoptosis-like cell death in ischemia/reperfusion injury of retinal neurons. <i>Neural Regeneration Research</i> , 2022, Publish Ahead of Print, .	1.6	32
408	Interleukin-18 Binding Protein in Immune Regulation and Autoimmune Diseases. <i>Biomedicines</i> , 2022, 10, 1750.	1.4	13
409	Caspase-1 and Gasdermin D Afford the Optimal Targets with Distinct Switching Strategies in NLRP1b Inflammasome-Induced Cell Death. <i>Research</i> , 2022, 2022, .	2.8	36
410	Ubiquitination of SARS-CoV-2 NSP6 and ORF7a Facilitates NF- κ B Activation. <i>MBio</i> , 2022, 13, .	1.8	23
411	Delayed COVID-19-induced cytokine storm after root canal therapy with favorable response to plasmapheresis, tocilizumab, and methylprednisolone pulses therapy: A case report. <i>Clinical Case Reports (discontinued)</i> , 2022, 10, .	0.2	0
412	Editorial: Insights in cardiovascular therapeutics: 2021 " cell death, cardiovascular injuries, and novel targets of cardiovascular therapeutics. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	1
413	Emerging mechanisms of pyroptosis and its therapeutic strategy in cancer. <i>Cell Death Discovery</i> , 2022, 8, .	2.0	24
414	Honokiol alleviates ulcerative colitis by targeting PPAR- γ "TLR4"NF- κ B signaling and suppressing gasdermin-D-mediated pyroptosis in vivo and in vitro. <i>International Immunopharmacology</i> , 2022, 111, 109058.	1.7	15

#	ARTICLE	IF	CITATIONS
415	Berberamine and thymoquinone exert protective effects against immune-mediated liver injury via NF- κ B dependent pathway. <i>Frontiers in Veterinary Science</i> , 0, 9, .	0.9	4
416	The common regulatory pathway of COVID-19 and multiple inflammatory diseases and the molecular mechanism of cepharanthine in the treatment of COVID-19. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	5
418	The role of necroptosis in common respiratory diseases in children. <i>Frontiers in Pediatrics</i> , 0, 10, .	0.9	2
419	Factors Modulating COVID-19: A Mechanistic Understanding Based on the Adverse Outcome Pathway Framework. <i>Journal of Clinical Medicine</i> , 2022, 11, 4464.	1.0	13
420	Regulated cell death in cancer: from pathogenesis to treatment. <i>Chinese Medical Journal</i> , 2023, 136, 653-665.	0.9	14
421	Innate Immune Response and Inflammasome Activation During SARS-CoV-2 Infection. <i>Inflammation</i> , 2022, 45, 1849-1863.	1.7	8
422	Identification of programmed cell death-related gene signature and associated regulatory axis in cerebral ischemia/reperfusion injury. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	12
423	Regulated necrosis in COVID-19: A double-edged sword. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	9
424	Impact of Immunotherapies on SARS-CoV-2-Infections and Other Respiratory Tract Infections during the COVID-19 Winter Season in IBD Patients. <i>Canadian Journal of Gastroenterology and Hepatology</i> , 2022, 2022, 1-9.	0.8	0
425	Determinants of Increased Effort of Breathing in Non-Intubated Critical COVID-19 Patients. <i>Medicina (Lithuania)</i> , 2022, 58, 1133.	0.8	1
426	Bibliometric and visual analysis of intestinal ischemia reperfusion from 2004 to 2022. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	5
427	SARS-CoV-2 recombinant spike protein induces cell apoptosis in rat taste buds. <i>Journal of Dental Sciences</i> , 2023, 18, 428-431.	1.2	1
428	Complanatuside alleviates inflammatory cell damage induced by pro-inflammatory cytokines in skin keratinocytes. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	1
429	Lidocaine reinforces the anti-inflammatory action of dexamethasone on myeloid and epithelial cells activated by inflammatory cytokines or SARS-CoV-2 infection. <i>Biomedical Journal</i> , 2022, , .	1.4	3
430	Distinct immune responses in the early phase to natural SARS-CoV-2 infection or vaccination. <i>Journal of Medical Virology</i> , 0, , .	2.5	3
431	Nicotine in Combination with SARS-CoV-2 Affects Cells Viability, Inflammatory Response and Ultrastructural Integrity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 9488.	1.8	1
432	Bioinformatics analysis of potential pathogenesis and risk genes of immunoinflammation-promoted renal injury in severe COVID-19. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	4
433	The roles of cellular protease interactions in viral infections and programmed cell death: a lesson learned from the SARS-CoV-2 outbreak and COVID-19 pandemic. <i>Pharmacological Reports</i> , 2022, 74, 1149-1165.	1.5	5

#	ARTICLE	IF	CITATIONS
435	Preparation of the RIPK3 Polyclonal Antibody and Its Application in Immunoassays of Nephropathogenic Infectious Bronchitis Virus-Infected Chickens. <i>Viruses</i> , 2022, 14, 1747.	1.5	2
436	The Outcome of High-Dose Corticosteroid Treatment Among Coronavirus Disease 2019 Patients. <i>Infectious Diseases in Clinical Practice</i> , 2022, 30, .	0.1	0
437	Blood Coral Polysaccharide Helps Prevent D-Gal/LPS-Induced Acute Liver Failure in Mice. <i>Journal of Inflammation Research</i> , 0, Volume 15, 4499-4513.	1.6	1
438	Adrenal Gland Function and Dysfunction During COVID-19. <i>Hormone and Metabolic Research</i> , 2022, 54, 532-539.	0.7	8
439	The different facets of heme-oxygenase 1 in innate and adaptive immunity. <i>Cell Biochemistry and Biophysics</i> , 2022, 80, 609-631.	0.9	8
440	Divergent roles for the gut intraepithelial lymphocyte GLP-1R in control of metabolism, microbiota, and T _H 17 cell-induced inflammation. <i>Cell Metabolism</i> , 2022, 34, 1514-1531.e7.	7.2	19
441	Clinical and immunological features associated to the development of a sustained immune humoral response in COVID-19 patients: Results from a cohort study. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	2
442	COVID-19 and the Immune Response: A Multi-Phasic Approach to the Treatment of COVID-19. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8606.	1.8	7
443	ELF5 is a potential respiratory epithelial cell-specific risk gene for severe COVID-19. <i>Nature Communications</i> , 2022, 13, .	5.8	12
444	IL-6 drives T cell death to participate in lymphopenia in COVID-19. <i>International Immunopharmacology</i> , 2022, 111, 109132.	1.7	5
445	VCAM-1-binding peptide targeted cationic liposomes containing NLRP3 siRNA to modulate LDL transcytosis as a novel therapy for experimental atherosclerosis. <i>Metabolism: Clinical and Experimental</i> , 2022, 135, 155274.	1.5	8
446	Isolation and characterization of an orthoreovirus from Indonesian fruit bats. <i>Virology</i> , 2022, 575, 10-19.	1.1	0
447	IFN- β transforms the transcriptomic landscape and triggers myeloid cell hyperresponsiveness to cause lethal lung injury. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	2
448	Looking into the IL-1 of the storm: are inflammasomes the link between immunothrombosis and hyperinflammation in cytokine storm syndromes?. , 2022, 1, .		3
449	Cytokine nanospheres suppressing overactive macrophages and dampening systematic cytokine storm for the treatment of hemophagocytic lymphohistiocytosis. <i>Bioactive Materials</i> , 2023, 21, 531-546.	8.6	10
450	Effect of a Functional Phospholipid Metabolome-Protein Association Pathway on the Mechanism of COVID-19 Disease Progression. <i>International Journal of Biological Sciences</i> , 2022, 18, 4618-4628.	2.6	6
451	Efficacy of umbilical cord mesenchymal stromal cells for COVID-19: A systematic review and meta-analysis. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	4
452	Aqueous Humor Factors' Predictive Effects in Treating Refractor Macular Edema: An Overview. <i>Journal of Interferon and Cytokine Research</i> , 2022, 42, 515-524.	0.5	2

#	ARTICLE	IF	CITATIONS
453	PANoptosis-based molecular clustering and prognostic signature predicts patient survival and immune landscape in colon cancer. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	20
454	GDF15: A modulator of immunity and a predictive biomarker of cardiovascular events: A strategy in COVID-19. <i>Annales De Cardiologie Et D'Angéiologie</i> , 2023, 72, 41-43.	0.3	2
455	Single cell analysis of PANoptosome cell death complexes through an expansion microscopy method. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, .	2.4	20
456	COVID-19 vakalarında DNA hasarı ve enflamasyon. <i>Cukurova Medical Journal</i> , 2022, 47, 1073-1079.	0.1	0
457	NSP4 and ORF9b of SARS-CoV-2 Induce Pro-Inflammatory Mitochondrial DNA Release in Inner Membrane-Derived Vesicles. <i>Cells</i> , 2022, 11, 2969.	1.8	18
459	Impaired immune response drives age-dependent severity of COVID-19. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	26
460	METTL3 Attenuates Inflammation in <i>Fusarium solani</i> -Induced Keratitis via the PI3K/AKT Signaling Pathway. , 2022, 63, 20.		5
461	Cytokine and Chemokine Retention Profile in COVID-19 Patients with Chronic Kidney Disease. <i>Toxins</i> , 2022, 14, 673.	1.5	4
463	SARS-CoV-2 Variants, Current Vaccines and Therapeutic Implications for COVID-19. <i>Vaccines</i> , 2022, 10, 1538.	2.1	12
464	Isolated Central Nervous System Vasculitides in COVID-19: A Systematic Review of Case Reports and Series. <i>Reports</i> , 2022, 5, 36.	0.2	1
466	Transmembrane TNF- α as a Novel Biomarker for the Diagnosis of Cytokine Storms in a Mouse Model of Multiple Organ Failure. <i>Inflammation</i> , 2023, 46, 359-369.	1.7	1
467	Myeloid autophagy genes protect mice against fatal TNF- and LPS-induced cytokine storm syndromes. <i>Autophagy</i> , 2023, 19, 1114-1127.	4.3	4
468	Screening of Sepsis Biomarkers Based on Bioinformatics Data Analysis. <i>Journal of Healthcare Engineering</i> , 2022, 2022, 1-10.	1.1	2
469	Development of an In Vitro Model of SARS-CoV-Induced Acute Lung Injury for Studying New Therapeutic Approaches. <i>Antioxidants</i> , 2022, 11, 1910.	2.2	4
470	Septic cardiomyopathy: characteristics, evaluation, and mechanism. , 2022, 2, 135-147.		3
471	Mouse models of COVID-19 recapitulate inflammatory pathways rather than gene expression. <i>PLoS Pathogens</i> , 2022, 18, e1010867.	2.1	17
472	Alpha7 Nicotinic Acetylcholine Receptor Antagonists Prevent Meningitic Escherichia coli-Induced Blood-Brain Barrier Disruptions by Targeting the CISH/JAK2/STAT5b Axis. <i>Biomedicine</i> , 2022, 10, 2358.	1.4	1
473	Bioinformatics and systems-biology analysis to determine the effects of Coronavirus disease 2019 on patients with allergic asthma. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	3

#	ARTICLE	IF	CITATIONS
474	Inflammasome signaling in colorectal cancer. <i>Translational Research</i> , 2023, 252, 45-52.	2.2	24
475	Multi-omic comparative analysis of COVID-19 and bacterial sepsis-induced ARDS. <i>PLoS Pathogens</i> , 2022, 18, e1010819.	2.1	17
476	Evaluation of the immunomodulatory effects of interleukin-10 on peripheral blood immune cells of COVID-19 patients: Implication for COVID-19 therapy. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	5
477	H1N1 influenza virus dose dependent induction of dysregulated innate immune responses and STAT1/3 activation are associated with pulmonary immunopathological damage. <i>Virulence</i> , 2022, 13, 1558-1572.	1.8	6
478	ZBP1: A Powerful Innate Immune Sensor and Double-Edged Sword in Host Immunity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10224.	1.8	20
479	Different modalities of host cell death and their impact on <i>Mycobacterium tuberculosis</i> infection. <i>American Journal of Physiology - Cell Physiology</i> , 2022, 323, C1444-C1474.	2.1	18
480	Molecular mechanism of RIPK1 and caspase-8 in homeostatic type I interferon production and regulation. <i>Cell Reports</i> , 2022, 41, 111434.	2.9	6
481	GSDME deficiency leads to the aggravation of UVB-induced skin inflammation through enhancing recruitment and activation of neutrophils. <i>Cell Death and Disease</i> , 2022, 13, .	2.7	13
482	Revisiting potential value of antitumor drugs in the treatment of COVID-19. <i>Cell and Bioscience</i> , 2022, 12, .	2.1	1
483	Molecular and pro-inflammatory aspects of COVID-19: The impact on cardiometabolic health. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022, 1868, 166559.	1.8	12
484	Environmental Impacts on COVID-19: Mechanisms of Increased Susceptibility. <i>Annals of Global Health</i> , 2022, 88, .	0.8	4
485	Pin-Pointing the Key Hubs in the IFN- β Pathway Responding to SARS-CoV-2 Infection. <i>Viruses</i> , 2022, 14, 2180.	1.5	3
486	Pancancer transcriptomic profiling identifies key PANoptosis markers as therapeutic targets for oncology. <i>NAR Cancer</i> , 2022, 4, .	1.6	17
487	Molecular insights into onset of autoimmunity in SARS-CoV-2 infected patients. <i>Rheumatology & Autoimmunity</i> , 2022, 2, 198-202.	0.3	4
488	The pathogenesis of coronavirus-19 disease. <i>Journal of Biomedical Science</i> , 2022, 29, .	2.6	34
489	Comparison of the pathogenesis of SARS-CoV-2 infection in K18-hACE2 mouse and Syrian golden hamster models. <i>DMM Disease Models and Mechanisms</i> , 2022, 15, .	1.2	14
490	A Review of Routine Laboratory Biomarkers for the Detection of Severe COVID-19 Disease. <i>International Journal of Analytical Chemistry</i> , 2022, 2022, 1-14.	0.4	10
491	PANoptosis: A Unique Innate Immune Inflammatory Cell Death Modality. <i>Journal of Immunology</i> , 2022, 209, 1625-1633.	0.4	51

#	ARTICLE	IF	CITATIONS
492	Single-cell transcriptome analyses reveal distinct gene expression signatures of severe COVID-19 in the presence of clonal hematopoiesis. <i>Experimental and Molecular Medicine</i> , 2022, 54, 1756-1765.	3.2	5
493	Up-regulation of Core 1 Beta 1, 3-Galactosyltransferase Suppresses Osteosarcoma Growth with Induction of IFN- β Secretion and Proliferation of CD8+ T Cells. <i>Current Cancer Drug Targets</i> , 2023, 23, 265-277.	0.8	3
494	Retrospective Analysis of the SARS-CoV-2 Infection Profile in COVID-19 Positive Patients in Vitoria da Conquista, Northeast Brazil. <i>Viruses</i> , 2022, 14, 2424.	1.5	3
495	Old drugs, new tricks: leveraging known compounds to disrupt coronavirus-induced cytokine storm. <i>Npj Systems Biology and Applications</i> , 2022, 8, .	1.4	1
497	Immune response induced by novel coronavirus infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	8
498	Bergamottin and PAP-1 Induced ACE2 Degradation to Alleviate Infection of SARS-CoV-2. <i>International Journal of Molecular Sciences</i> , 2022, 23, 12565.	1.8	2
499	Increased Levels of Autoantibodies against ROS-Modified Proteins in Depressed Individuals with Decrease in Antibodies against SARS-CoV-2 Antigen (S1-RBD). <i>Current Issues in Molecular Biology</i> , 2022, 44, 5260-5276.	1.0	2
500	Adherence and Reactogenicity to Vaccines against SARS-COV-2 in 285 Patients with Neuropathy: A Multicentric Study. <i>Brain Sciences</i> , 2022, 12, 1396.	1.1	2
501	Inosine: A broad-spectrum anti-inflammatory against SARS-CoV-2 infection-induced acute lung injury via suppressing TBK1 phosphorylation. <i>Journal of Pharmaceutical Analysis</i> , 2023, 13, 11-23.	2.4	3
502	Proteomics reveals antiviral host response and NETosis during acute COVID-19 in high-risk patients. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2023, 1869, 166592.	1.8	7
504	Tyrosine phosphorylation regulates RIPK1 activity to limit cell death and inflammation. <i>Nature Communications</i> , 2022, 13, .	5.8	9
505	Gut microbiome dysbiosis in antibiotic-treated COVID-19 patients is associated with microbial translocation and bacteremia. <i>Nature Communications</i> , 2022, 13, .	5.8	67
506	CgCaspase-3 activates the translocation of CgGSDME in haemocytes of Pacific oyster <i>Crassostrea gigas</i> . <i>Fish and Shellfish Immunology</i> , 2022, 131, 757-765.	1.6	6
507	Lipopolysaccharide induced intestinal epithelial injury: a novel organoids-based model for sepsis in vitro. <i>Chinese Medical Journal</i> , 2022, 135, 2232-2239.	0.9	5
508	CP-25 exerts a protective effect against ConA-induced hepatitis via regulating inflammation and immune response. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	0
509	Bioinformatics and systems biology approaches to identify molecular targeting mechanism influenced by COVID-19 on heart failure. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	0
510	Death by TNF: a road to inflammation. <i>Nature Reviews Immunology</i> , 2023, 23, 289-303.	10.6	106
511	Ibrutinib Prevents Acute Lung Injury via Multi-Targeting BTK, FLT3 and EGFR in Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13478.	1.8	3

#	ARTICLE	IF	CITATIONS
512	Adaptive Immunity to Viruses: What Did We Learn from SARS-CoV-2 Infection?. International Journal of Molecular Sciences, 2022, 23, 13951.	1.8	5
513	Xuanfei Baidu formula alleviates impaired mitochondrial dynamics and activated NLRP3 inflammasome by repressing NF- κ B and MAPK pathways in LPS-induced ALI and inflammation models. Phytomedicine, 2023, 108, 154545.	2.3	21
514	Role of SARS-CoV-2-induced cytokine storm in multi-organ failure: Molecular pathways and potential therapeutic options. International Immunopharmacology, 2022, 113, 109428.	1.7	22
515	Profiles of host immune impairment in Plasmodium and SARS-CoV-2 infections. Heliyon, 2022, , e11744.	1.4	1
516	The Regulated Cell Death and Potential Interventions in Preterm Infants after Intracerebral Hemorrhage. Current Neuropharmacology, 2023, 21, 1488-1503.	1.4	2
517	Huashibaidu formula attenuates sepsis-induced acute lung injury via suppressing cytokine storm: Implications for treatment of COVID-19. Phytomedicine, 2023, 109, 154549.	2.3	5
519	Inflammasomes as integral components of PANoptosomes in the regulation of cell death. , 2023, , 525-538.		1
520	Synergism of TNF- α and IFN- γ triggers human airway epithelial cells death by apoptosis and pyroptosis. Molecular Immunology, 2023, 153, 160-169.	1.0	10
521	Early alveolar epithelial cell necrosis is a potential driver of COVID-19-induced acute respiratory distress syndrome. IScience, 2023, 26, 105748.	1.9	11
522	Transcription factor Nrf2 as a potential therapeutic target for COVID-19. Cell Stress and Chaperones, 2023, 28, 11-20.	1.2	4
523	Innate immunity, cytokine storm, and inflammatory cell death in COVID-19. Journal of Translational Medicine, 2022, 20, .	1.8	29
524	Immunomodulatory agents for COVID-19 pneumonia. Clinics in Chest Medicine, 2022, , .	0.8	1
525	Filoviruses: Innate Immunity, Inflammatory Cell Death, and Cytokines. Pathogens, 2022, 11, 1400.	1.2	4
526	Pathological Roles of Pulmonary Cells in Acute Lung Injury: Lessons from Clinical Practice. International Journal of Molecular Sciences, 2022, 23, 15027.	1.8	2
527	Reduced IFN- γ levels along with changes in hematologic and immunologic parameters are key to COVID-19 severity in Bangladeshi patients. Experimental Hematology, 2023, 118, 53-64.e1.	0.2	2
528	Dengue induces iNOS expression and nitric oxide synthesis in platelets through IL-1R. Frontiers in Immunology, 0, 13, .	2.2	4
529	MeVa2.1.dOVA and MeVa2.2.dOVA: two novel BRAFV600E-driven mouse melanoma cell lines to study tumor immune resistance. Melanoma Research, 2023, 33, 12-26.	0.6	3
530	Potential protective effect of 3,3'-methylenebis(1-ethyl-4-hydroxyquinolin-2(1H)-one) against bleomycin-induced lung injury in male albino rat via modulation of Nrf2 pathway: biochemical, histological, and immunohistochemical study. Naunyn-Schmiedeberg's Archives of Pharmacology, 2023, 396, 771-788.	1.4	2

#	ARTICLE	IF	CITATIONS
531	Stress signaling boosts interferon-induced gene transcription in macrophages. <i>Science Signaling</i> , 2022, 15, .	1.6	8
532	The emerging role of pyroptosis-related inflammasome pathway in atherosclerosis. <i>Molecular Medicine</i> , 2022, 28, .	1.9	6
533	Mitochondrial dysfunction in vascular endothelial cells and its role in atherosclerosis. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	23
534	ZBP1-Mediated Necroptosis: Mechanisms and Therapeutic Implications. <i>Molecules</i> , 2023, 28, 52.	1.7	11
535	Potential therapeutic value of necroptosis inhibitor for the treatment of COVID-19. <i>European Journal of Medical Research</i> , 2022, 27, .	0.9	5
536	Growth Differentiation Factor 15 (GDF-15) Levels Associate with Lower Survival in Chronic Kidney Disease Patients with COVID-19. <i>Biomedicines</i> , 2022, 10, 3251.	1.4	3
537	FUNDC1 protects against doxorubicin-induced cardiomyocyte PANoptosis through stabilizing mtDNA via interaction with TUFM. <i>Cell Death and Disease</i> , 2022, 13, .	2.7	12
538	Drug Repurposing Using Gene Co-Expression and Module Preservation Analysis in Acute Respiratory Distress Syndrome (ARDS), Systemic Inflammatory Response Syndrome (SIRS), Sepsis, and COVID-19. <i>Biology</i> , 2022, 11, 1827.	1.3	5
539	Clinical and laboratory factors associated with mortality among hospitalized patients with COVID-19 infection in Lebanon: A multicenter study. <i>PLoS ONE</i> , 2022, 17, e0278393.	1.1	1
540	Production and immunogenicity of a deoxyribonucleic acid Alphavirus vaccine expressing classical swine fever virus E2-Erns protein and porcine Circovirus Cap-Rep protein. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	0
541	<i>Fusobacterium nucleatum</i> triggers proinflammatory cell death via Z-DNA binding protein 1 in apical periodontitis. <i>Cell Communication and Signaling</i> , 2022, 20, .	2.7	10
542	Construction of a machine learning-based artificial neural network for discriminating PANoptosis related subgroups to predict prognosis in low-grade gliomas. <i>Scientific Reports</i> , 2022, 12, .	1.6	4
543	Necroptosis-dependent Immunogenicity of Cisplatin: Implications for Enhancing the Radiation-induced Abscopal Effect. <i>Clinical Cancer Research</i> , 2023, 29, 667-683.	3.2	12
544	Upregulation of PD-1 by SARS-CoV-2 promotes immune evasion. <i>Journal of Medical Virology</i> , 2023, 95, .	2.5	3
545	Nonsteroidal anti-inflammatory drugs (NSAIDs) and nucleotide analog GS-441524 conjugates with potent in vivo efficacy against coronaviruses. <i>European Journal of Medicinal Chemistry</i> , 2023, 249, 115113.	2.6	5
546	A hyperinflammation clinical risk tool, HI5-NEWS2, stratifies hospitalised COVID-19 patients to associate risk of death and effect of early dexamethasone in an observational cohort. <i>PLoS ONE</i> , 2023, 18, e0280079.	1.1	0
547	Targeting TBK1 to overcome resistance to cancer immunotherapy. <i>Nature</i> , 2023, 615, 158-167.	13.7	30
548	Pathogenesis and Mechanisms of SARS-CoV-2 Infection in the Intestine, Liver, and Pancreas. <i>Cells</i> , 2023, 12, 262.	1.8	13

#	ARTICLE	IF	CITATIONS
549	COVID-19 presentation and outcomes in patients with inflammatory rheumatic and musculoskeletal diseases receiving IL6-receptor antagonists prior to SARS-CoV-2 infection. <i>Journal of Translational Autoimmunity</i> , 2023, 6, 100190.	2.0	0
550	Is Nuclear Factor Erythroid 2-Related Factor 2 a Target for the Intervention of Cytokine Storms?. <i>Antioxidants</i> , 2023, 12, 172.	2.2	6
551	Análise das citocinas inflamatórias IL-4, IL-8 e interferon-gama em pacientes infectados pelo Sars-Cov2 na fase aguda. <i>Brazilian Journal of Health Review</i> , 2023, 6, 742-769.	0.0	0
552	SARS-CoV-2 E protein: Pathogenesis and potential therapeutic development. <i>Biomedicine and Pharmacotherapy</i> , 2023, 159, 114242.	2.5	14
553	Molecular mechanisms and roles of pyroptosis in acute lung injury. <i>Chinese Medical Journal</i> , 2022, 135, 2417-2426.	0.9	3
554	RIPK3 and kidney disease. <i>Nefrologia</i> , 2024, 44, 10-22.	0.2	1
555	Endotheliopathy and systemic inflammation: reversibility of cause-and-effect relationship in the pathological functional system (review of literature). <i>Regional Blood Circulation and Microcirculation</i> , 2022, 21, 5-15.	0.1	0
556	Kinetics of Immune Subsets in COVID-19 Patients Treated with Corticosteroids. <i>Viruses</i> , 2023, 15, 51.	1.5	5
557	Innate immune responses in COVID-19. , 2023, , 63-128.		0
558	Quercetin: A Functional Food-Flavonoid Incredibly Attenuates Emerging and Re-Emerging Viral Infections through Immunomodulatory Actions. <i>Molecules</i> , 2023, 28, 938.	1.7	13
559	Evaluation of Caspase Activation to Assess Innate Immune Cell Death. <i>Journal of Visualized Experiments</i> , 2023, , .	0.2	2
560	Functional nucleic acids as potent therapeutics against SARS-CoV-2 infection. <i>Cell Reports Physical Science</i> , 2023, , 101249.	2.8	1
561	Myeloid-like B cells boost emergency myelopoiesis through IL-10 production during infection. <i>Journal of Experimental Medicine</i> , 2023, 220, .	4.2	3
562	COVID-19 Causes Ferroptosis and Oxidative Stress in Human Endothelial Cells. <i>Antioxidants</i> , 2023, 12, 326.	2.2	18
563	ADAR1 and ZBP1 in innate immunity, cell death, and disease. <i>Trends in Immunology</i> , 2023, 44, 201-216.	2.9	18
564	When type 2 diabetes mellitus meets COVID-19—Identification of the shared gene signatures and biological mechanism between the two diseases. <i>European Journal of Clinical Investigation</i> , 2023, 53, .	1.7	1
565	The Pathogenetic Role of DAMPs in Severe Infectious Diseases. , 2023, , 285-380.		0
566	Virulence of Pathogens and the Counteracting Responses of the Host. , 2023, , 109-202.		0

#	ARTICLE	IF	CITATIONS
567	The regulation of host cytoskeleton during SARS-CoV-2 infection in the nervous system. <i>Brain Science Advances</i> , 2023, 9, 43-52.	0.3	2
568	The Protective Effects of Goitrin on LPS-Induced Septic Shock in C57BL/6J Mice via Caspase-11 Non-Canonical Inflammasome Inhibition. <i>Molecules</i> , 2023, 28, 2883.	1.7	1
569	A SARS-CoV-2-specific CAR-T-cell model identifies felodipine, fasudil, imatinib, and caspofungin as potential treatments for lethal COVID-19. , 2023, 20, 351-364.		5
570	Identification of pre-infection markers and differential plasma protein expression following SARS-CoV-2 infection in people living with HIV. <i>EBioMedicine</i> , 2023, 90, 104538.	2.7	1
572	SARS-CoV-2 ORF3a positively regulates NF- κ B activity by enhancing IKK β -NEMO interaction. <i>Virus Research</i> , 2023, 328, 199086.	1.1	5
573	Irisin attenuates fine particulate matter induced acute lung injury by regulating Nod2/NF- κ B signaling pathway. <i>Immunobiology</i> , 2023, 228, 152358.	0.8	1
574	The multiple roles of nsp6 in the molecular pathogenesis of SARS-CoV-2. <i>Antiviral Research</i> , 2023, 213, 105590.	1.9	4
575	Molecular characterization, expression analysis and function identification of TNF α in black rockfish (<i>Sebastes schlegelii</i>). <i>International Journal of Biological Macromolecules</i> , 2023, 236, 123912.	3.6	2
576	Activation of CD3 α +TIM3 α +AT cells contributes to excessive inflammatory response during glucocorticoid treatment. <i>Biochemical Pharmacology</i> , 2023, 212, 115551.	2.0	3
577	CTLA-4 blockade induces tumor pyroptosis via CD8+ T α cells in head and neck squamous cell carcinoma. <i>Molecular Therapy</i> , 2023, 31, 2154-2168.	3.7	9
578	Beta-coronaviruses exploit cellular stress responses by modulating TFEB and TFE3 activity. <i>IScience</i> , 2023, 26, 106169.	1.9	3
579	The Bcr-Abl inhibitor DCC-2036 inhibits necroptosis and ameliorates osteoarthritis by targeting RIPK1 and RIPK3 kinases. <i>Biomedicine and Pharmacotherapy</i> , 2023, 161, 114528.	2.5	1
580	Synthesis, SARS-CoV-2 3CL main protease inhibitor, anti-inflammatory, and wound-healing effects of a zinc(II)-thiosemicarbazone complex. <i>Applied Organometallic Chemistry</i> , 2023, 37, .	1.7	0
581	Targeting intracellular Neu1 for coronavirus infection treatment. <i>IScience</i> , 2023, 26, 106037.	1.9	5
582	A Comprehensive Mini-review on COVID-19 Pathogenesis on Perspectives of Cytokine Storm and Recent Developments in Anti-Covid Nucleotide Analogues. <i>Journal of Pure and Applied Microbiology</i> , 2023, 17, 1-11.	0.3	0
583	The development of COVID-19 treatment. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	59
584	Hematological and serum biochemical parameters and profiling of cytokine genes in lumpy skin disease in Vrindavani cattle. <i>3 Biotech</i> , 2023, 13, .	1.1	1
585	Evaluation of both expression and serum protein levels of caspase-8 and mitogen-activated protein kinase 1 genes in patients with different severities of COVID-19 infection. <i>Molecular Biology Reports</i> , 2023, 50, 3241-3248.	1.0	1

#	ARTICLE	IF	CITATIONS
587	SÃndrome de tormenta de citocinas y sÃndrome de choque por enfermedad de Kawasaki: reporte de un caso. <i>Revista Alergia Mexico</i> , 2023, 69, .	0.9	0
588	<i>Toxoplasma gondii</i> microneme protein MIC3 induces macrophage TNF-Î± production and Ly6C expression via TLR11/MyD88 pathway. <i>PLoS Neglected Tropical Diseases</i> , 2023, 17, e0011105.	1.3	0
589	Periodontitis and COVID-19: Immunological Characteristics, Related Pathways, and Association. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3012.	1.8	5
591	SARS-CoV-2 infection of intestinal epithelia cells sensed by RIG-I and DHX-15 evokes innate immune response and immune cross-talk. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	2
592	Characteristics and Potential Roles of Natural Killer Cells During SARS-CoV-2 Infection. <i>Infectious Diseases & Immunity</i> , 2023, 3, 29-35.	0.2	0
593	A Monoclonal Human Alveolar Epithelial Cell Line (â€œArloâ€) with Pronounced Barrier Function for Studying Drug Permeability and Viral Infections. <i>Advanced Science</i> , 2023, 10, .	5.6	6
594	Monocytic HLA-DR Expression in Immune Responses of Acute Pancreatitis and COVID-19. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3246.	1.8	5
595	Advances in mechanism and regulation of PANoptosis: Prospects in disease treatment. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	18
596	Innate sensing pathways: Defining new innate immune and inflammatory cell death pathways has shaped translational applications. <i>PLoS Biology</i> , 2023, 21, e3002022.	2.6	2
597	Dynamic Changes in Serum Cytokine Profile in Rats with Severe Acute Pancreatitis. <i>Medicina (Lithuania)</i> , 2023, 59, 321.	0.8	2
598	Innate Lymphoid Cell Plasticity in Mucosal Infections. <i>Microorganisms</i> , 2023, 11, 461.	1.6	6
599	Innate immune inflammatory cell death: PANoptosis and PANoptosomes in host defense and disease. <i>European Journal of Immunology</i> , 2023, 53, .	1.6	19
600	Research progress and insights on the role of ferroptosis in wound healing. <i>International Wound Journal</i> , 2023, 20, 2473-2481.	1.3	3
601	In Silico Screening of Drugs That Target Different Forms of E Protein for Potential Treatment of COVID-19. <i>Pharmaceuticals</i> , 2023, 16, 296.	1.7	2
602	The Role of Interferons in Long Covid Infection. <i>Journal of Interferon and Cytokine Research</i> , 2023, 43, 65-76.	0.5	2
603	Understanding disruption of the gut barrier during inflammation: Should we abandon traditional epithelial cell lines and switch to intestinal organoids?. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	8
604	Antagonisms of ASFV towards Host Defense Mechanisms: Knowledge Gaps in Viral Immune Evasion and Pathogenesis. <i>Viruses</i> , 2023, 15, 574.	1.5	4
605	NINJ1 Regulates Platelet Activation and PANoptosis in Septic Disseminated Intravascular Coagulation. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4168.	1.8	1

#	ARTICLE	IF	CITATIONS
606	Engineered antibody cytokine chimera synergizes with DNA-launched nanoparticle vaccines to potentiate melanoma suppression in vivo. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	1
607	Altered expression of DNA methyltransferases and methylation status of the TLR4 and TNF- β promoters in COVID-19. <i>Archives of Virology</i> , 2023, 168, .	0.9	1
608	Structural-based design of HD-TAC7 PROteolysis TArgeting chimeras (PROTACs) candidate transformations to abrogate SARS-CoV-2 infection. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 14566-14581.	2.0	2
609	The double-edged functions of necroptosis. <i>Cell Death and Disease</i> , 2023, 14, .	2.7	19
610	Perceptions into causes and consequences of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) variants. <i>Rheumatology & Autoimmunity</i> , 2023, 3, 1-8.	0.3	0
611	SARS-CoV-2 immune complex triggers human monocyte necroptosis. <i>International Immunopharmacology</i> , 2023, 117, 109954.	1.7	1
612	SARS-CoV-2 SUD2 and Nsp5 Conspire to Boost Apoptosis of Respiratory Epithelial Cells via an Augmented Interaction with the G-Quadruplex of BclII. <i>MBio</i> , 0, , .	1.8	0
613	Development and validation of a prognostic model based on immune variables to early predict severe cases of SARS-CoV-2 Omicron variant infection. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	1
614	BPOZ-2 is a negative regulator of the NLRP3 inflammasome contributing to SARS-CoV-2-induced hyperinflammation. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 13, .	1.8	1
615	The Defenders of the Alveolus Succumb in COVID-19 Pneumonia to SARS-CoV-2 and Necroptosis, Pyroptosis, and PANoptosis. <i>Journal of Infectious Diseases</i> , 2023, 227, 1245-1254.	1.9	6
616	Immune Control of Avian Influenza Virus Infection and Its Vaccine Development. <i>Vaccines</i> , 2023, 11, 593.	2.1	11
617	Oral intake of heat-killed <i>Lactiplantibacillus pentosus</i> ONRICb0240 partially protects mice against SARS-CoV-2 infection. <i>Frontiers in Virology</i> , 0, 3, .	0.7	0
618	Alterations in the Expression of IFN Lambda, IFN Gamma and Toll-like Receptors in Severe COVID-19 Patients. <i>Microorganisms</i> , 2023, 11, 689.	1.6	4
619	Ferroptosis, pyroptosis and necroptosis in acute respiratory distress syndrome. <i>Cell Death Discovery</i> , 2023, 9, .	2.0	6
620	Immediate and Delayed Salivary Cytokine Responses during Repeated Exposures to Cold Pressor Stress. <i>NeuroImmunoModulation</i> , 2023, 30, 81-92.	0.9	0
621	Plasmin and plasminogen prevent sepsis severity by reducing neutrophil extracellular traps and systemic inflammation. <i>JCI Insight</i> , 2023, 8, .	2.3	5
622	Characterization of T Helper 1 and 2 Cytokine Profiles in Newborns of Mothers with COVID-19. <i>Biomedicines</i> , 2023, 11, 910.	1.4	0
624	SARS-CoV-2 E protein-induced THP-1 pyroptosis is reversed by Ruscogenin. <i>Biochemistry and Cell Biology</i> , 0, , .	0.9	1

#	ARTICLE	IF	CITATIONS
626	Cannabinoid WIN55,212-2 reprograms monocytes and macrophages to inhibit LPS-induced inflammation. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	3
627	COVID-19 and non-Hodgkinâ€™s lymphoma: A common susceptibility pattern?. <i>PLoS ONE</i> , 2023, 18, e0277588.	1.1	0
628	Intestinal barrier dysfunction as a key driver of severe COVID-19. <i>World Journal of Virology</i> , 0, 12, 68-90.	1.3	4
629	Characterization of the immune impairment of patients with tuberculosis and COVID-19 coinfection. <i>International Journal of Infectious Diseases</i> , 2023, , .	1.5	11
631	Immune and ionic mechanisms mediating the effect of dexamethasone in severe COVID-19. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	4
632	Molecular subtypes based on PANoptosis-related genes and tumor microenvironment infiltration characteristics in lower-grade glioma. <i>Functional and Integrative Genomics</i> , 2023, 23, .	1.4	2
633	Modification with Conventional Surfactants to Improve a Lipid-Based Ionic-Liquid-Associated Transcutaneous Anticancer Vaccine. <i>Molecules</i> , 2023, 28, 2969.	1.7	3
634	Use of fermented Chinese medicine residues as a feed additive and effects on growth performance, meat quality, and intestinal health of broilers. <i>Frontiers in Veterinary Science</i> , 0, 10, .	0.9	7
635	RNA silencing of GM-CSF in CAR-T cells reduces the secretion of multiple inflammatory cytokines. <i>Investigational New Drugs</i> , 2023, 41, 220-225.	1.2	1
636	IFN- β Facilitates Corneal Epithelial Cell Pyroptosis Through the JAK2/STAT1 Pathway in Dry Eye. , 2023, 64, 34.		4
637	Acute TNF α levels predict cognitive impairment 6â€“9 months after COVID-19 infection. <i>Psychoneuroendocrinology</i> , 2023, 153, 106104.	1.3	4
638	Heat shock protein 90 facilitates SARS-CoV-2 structural protein-mediated virion assembly and promotes virus-induced pyroptosis. <i>Journal of Biological Chemistry</i> , 2023, 299, 104668.	1.6	8
639	Reduced IL-8 Secretion by NOD-like and Toll-like Receptors in Blood Cells from COVID-19 Patients. <i>Biomedicines</i> , 2023, 11, 1078.	1.4	1
640	Baicalin inhibited both the Furin/TGF β 1/Smad3/TSP-1 pathway in endothelial cells and the AKT/Ca $^{2+}$ /ROS pathway in platelets to ameliorate inflammatory coagulopathy. <i>European Journal of Pharmacology</i> , 2023, 949, 175674.	1.7	4
641	Tissueâ€“resident memory T cells and lung immunopathology. <i>Immunological Reviews</i> , 2023, 316, 63-83.	2.8	7
642	P2Y11/IL-1 receptor crosstalk controls macrophage inflammation: a novel target for anti-inflammatory strategies?. <i>Purinergic Signalling</i> , 2023, 19, 501-511.	1.1	3
643	Lung Inflammation Induced by Inactivated SARS-CoV-2 in C57BL/6 Female Mice Is Controlled by Intranasal Instillation of Vitamin D. <i>Cells</i> , 2023, 12, 1092.	1.8	0
644	SARS-CoV-2: Structure, Pathogenesis, and Diagnosis. , 2024, , 24-51.		0

#	ARTICLE	IF	CITATIONS
646	Cytoplasmic DNAs: Sources, sensing, and roles in the development of lung inflammatory diseases and cancer. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	1
647	PANoptosis: A Cell Death Characterized by Pyroptosis, Apoptosis, and Necroptosis. <i>Journal of Inflammation Research</i> , 0, Volume 16, 1523-1532.	1.6	11
648	Sulconazole Induces PANoptosis by Triggering Oxidative Stress and Inhibiting Glycolysis to Increase Radiosensitivity in Esophageal Cancer. <i>Molecular and Cellular Proteomics</i> , 2023, 22, 100551.	2.5	14
649	Features of the Immune Response in COVID-19. <i>Sklifosovsky Journal Emergency Medical Care</i> , 2023, 12, 122-129.	0.3	0
651	Apoptotic cell death in disease—Current understanding of the NCCD 2023. <i>Cell Death and Differentiation</i> , 2023, 30, 1097-1154.	5.0	66
671	Inflammation and aging: signaling pathways and intervention therapies. <i>Signal Transduction and Targeted Therapy</i> , 2023, 8, .	7.1	63
675	Comorbid Obesity and Its Impact on Diabetes and COVID-19. <i>Contemporary Endocrinology</i> , 2023, , 93-107.	0.3	0
689	Long-term effects of SARS-CoV-2 infection on human brain and memory. <i>Cell Death Discovery</i> , 2023, 9, .	2.0	1
712	During Sepsis and COVID-19, the Pro-Inflammatory and Anti-Inflammatory Responses Are Concomitant. <i>Clinical Reviews in Allergy and Immunology</i> , 2023, 65, 183-187.	2.9	6
717	Pyroptosis: the potential eye of the storm in adult-onset Still's disease. <i>Inflammopharmacology</i> , 0, , .	1.9	0
748	The role of cell death in SARS-CoV-2 infection. <i>Signal Transduction and Targeted Therapy</i> , 2023, 8, .	7.1	4
754	Regulated cell death pathways and their roles in homeostasis, infection, inflammation, and tumorigenesis. <i>Experimental and Molecular Medicine</i> , 2023, 55, 1632-1643.	3.2	7
761	Mechanisms and clinical application of Xuebijing injection, a traditional Chinese herbal medicine—a systematic review. <i>Advances in Traditional Medicine</i> , 0, , .	1.0	0
767	The role of SARS-CoV-2-mediated NF- κ B activation in COVID-19 patients. <i>Hypertension Research</i> , 2024, 47, 375-384.	1.5	2
771	Programmed Necrosis in Host Defense. <i>Current Topics in Microbiology and Immunology</i> , 2023, , .	0.7	0
803	A single-dose of intranasal vaccination with a live-attenuated SARS-CoV-2 vaccine candidate promotes protective mucosal and systemic immunity. <i>Npj Vaccines</i> , 2023, 8, .	2.9	0
858	Mechanisms of PANoptosis and relevant small-molecule compounds for fighting diseases. <i>Cell Death and Disease</i> , 2023, 14, .	2.7	1
868	Cytokine storm in COVID-19 and other diseases: emerging therapeutic interventions. , 2024, , 209-241.		0

#	ARTICLE	IF	CITATIONS
876	Anti-cytokine strategies targeting CAR-T cell therapy-induced cytokine release syndrome. , 2024, , .		0
887	Severe pediatric COVID-19: a review from the clinical and immunopathophysiological perspectives. World Journal of Pediatrics, 0, , .	0.8	0
895	Immunology of SARS-CoV-2 Infection. Biochemistry (Moscow), 2024, 89, 65-83.	0.7	0