Neuroinvasion of SARS-CoV-2 in human and mouse bra

Journal of Experimental Medicine
218,
DOI: 10.1084/jem.20202135

Citation Report

#	Article	IF	Citations
1	3D culture models to study SARS-CoV-2 infectivity and antiviral candidates: From spheroids to bioprinting. Biomedical Journal, 2021, 44, 31-42.	1.4	27
2	Neurological issues in children with COVID-19. Neuroscience Letters, 2021, 743, 135567.	1.0	167
3	ApoE-Isoform-Dependent SARS-CoV-2 Neurotropism and Cellular Response. Cell Stem Cell, 2021, 28, 331-342.e5.	5.2	156
4	Hyperactivation of P2X7 receptors as a culprit of COVID-19 neuropathology. Molecular Psychiatry, 2021, 26, 1044-1059.	4.1	104
5	What can neuroimmunology teach us about the symptoms of long-COVID?. Oxford Open Immunology, 2021, 2, iqab004.	1.2	23
6	Human stem cell models to study hostâ€“virus interactions in the central nervous system. Nature Reviews Immunology, 2021, 21, 441-453.	10.6	35
7	The wide spectrum of COVID-19 neuropsychiatric complications within a multidisciplinary centre. Brain Communications, 2021, 3, fcab135.	1.5	16
8	Cell fusion as a link between the SARS-CoV-2 spike protein, COVID-19 complications, and vaccine side effects. Oncotarget, 2021, 12, 2476-2488.	0.8	7
12	Peripheral Nervous System Manifestations Associated with COVID-19. Current Neurology and Neuroscience Reports, 2021, 21, 9.	2.0	130
15	SARS CoVâ€2 related microvascular damage and symptoms during and after COVIDâ€19: Consequences of capillary transitâ€time changes, tissue hypoxia and inflammation. Physiological Reports, 2021, 9, e14726.	0.7	193
16	Potential Differences in Cleavage of the S Protein and Type 1 Interferon Together Control Human Coronavirus Infection, Propagation, and Neuropathology within the Central Nervous System. Journal of Virology, 2021, 95, .	1.5	14
17	SARS-CoV-2 infects and replicates in cells of the human endocrine and exocrine pancreas. Nature Metabolism, 2021, 3, 149-165.	5.1	378
19	Current opinion in neurological manifestations of SARS-CoV-2 infection. Current Opinion in Toxicology, 2021, 25, 49-56.	2.6	10
20	Detection of SARS-coronavirus-2 in the central nervous system of patients with severe acute respiratory syndrome and seizures. Journal of NeuroVirology, 2021, 27, 348-353.	1.0	7
21	Clinical features, pathogenesis and treatment of long-haul COVIDâ€'19 impact on nervous system. Medical Alphabet, 2021, , 14-22.	0.0	5
22	Neurotropic Effects of SARS-CoV-2 Modeled by the Human Brain Organoids. Stem Cell Reports, 2021, 16, 373-384.	2.3	43
23	Common Genetic Variation in Humans Impacts InÂVitro Susceptibility to SARS-CoV-2 Infection. Stem Cell Reports, 2021, 16, 505-518.	2.3	39
25	What can cerebrospinal fluid testing and brain autopsies tell us about viral neuroinvasion of SARSâ€CoVâ€2. Journal of Medical Virology, 2021, 93, 4247-4257.	2.5	22

#	Article	IF	Citations
28	Feeding intolerance in critically ill patients with COVID-19. Clinical Nutrition, 2022, 41, 3069-3076.	2.3	23
30	Interactions of SARS-CoV-2 with the Bloodâ€“Brain Barrier. International Journal of Molecular Sciences, 2021, 22, 2681.	1.8	99
31	Ucp2-dependent microglia-neuronal coupling controls ventral hippocampal circuit function and anxiety-like behavior. Molecular Psychiatry, 2021, 26, 2740-2752.	4.1	20
32	Repositioned Drugs for COVID-19â€"the Impact on Multiple Organs. SN Comprehensive Clinical Medicine, 2021, 3, 1484-1501.	0.3	3
33	COVID-19 and Pregnancy: Vertical Transmission and Inflammation Impact on Newborns. Vaccines, 2021, 9, 391.	2.1	22
34	Neuropathogenesis of acute coronavirus disease 2019. Current Opinion in Neurology, 2021, 34, 417-422.	1.8	14
36	Influence of Previous COVID-19 and Mastitis Infections on the Secretion of Brain-Derived Neurotrophic Factor and Nerve Growth Factor in Human Milk. International Journal of Molecular Sciences, 2021, 22, 3846.	1.8	2
37	The olfactory route is a potential way for SARS-CoV-2 to invade the central nervous system of rhesus monkeys. Signal Transduction and Targeted Therapy, 2021, 6, 169.	7.1	84
38	Acute Transverse Myelitis (ATM):Clinical Review of 43 Patients With COVID-19-Associated ATM and 3 Post-Vaccination ATM Serious Adverse Events With the ChAdOx1 nCoV-19 Vaccine (AZD1222). Frontiers in Immunology, 2021, 12, 653786.	2.2	173
39	Actionable druggable genome-wide Mendelian randomization identifies repurposing opportunities for COVID-19. Nature Medicine, 2021, 27, 668-676.	15.2	120
40	Neurological Complications of COVID-19: Underlying Mechanisms and Management. International Journal of Molecular Sciences, 2021, 22, 4081.	1.8	48
41	COVID-19 and Alzheimerâ€™s disease: how one crisis worsens the other. Translational Neurodegeneration, 2021, 10, 15.	3.6	74
42	Elucidating the Neuropathologic Mechanisms of SARS-CoV-2 Infection. Frontiers in Neurology, 2021, 12, 660087.	1.1	46
45	COVID-19 and the human innate immune system. Cell, 2021, 184, 1671-1692.	13.5	524
46	SARS-CoV-2: Pathogenesis, Molecular Targets and Experimental Models. Frontiers in Pharmacology, 2021, 12, 638334.	1.6	14
47	The olfactory nerve is not a likely route to brain infection in COVID-19: a critical review of data from humans and animal models. Acta Neuropathologica, 2021, 141, 809-822.	3.9	94
48	Neurological update: COVID-19. Journal of Neurology, 2021, 268, 4379-4387.	1.8	25
49	Back to the future: lessons from past viral infections and the link with Parkinsonâ€™s disease. Neuronal Signaling, 2021, 5, NS20200051.	1.7	3

#	Article	IF	Citations
50	Cognitive impairment in COVID-19 survivors. Meditsinskiy Sovet, 2021, , 69-77.	0.1	5
52	Susceptibility of neuroblastoma and glioblastoma cell lines to SARS-CoV-2 infection. Brain Research, 2021, 1758, 147344.	1.1	16
53	Perspective: the nose and the stomach play a critical role in the NZACE2-PÄ‡tari* (modified ACE2) drug treatment project of SARS-CoV-2 infection. Expert Review of Clinical Immunology, 2021, 17, 553-560.	1.3	10
54	Maternal respiratory SARS-CoV-2 infection in pregnancy is associated with a robust inflammatory response at the maternal-fetal interface. Med, 2021, 2, 591-610.e10.	2.2	122
55	The Significance of COVID-19 Immunological Status in Severe Neurological Complications and Multiple Sclerosisâ€"A Literature Review. International Journal of Molecular Sciences, 2021, 22, 5894.	1.8	4
56	Confronting COVID-19-associated cough and the post-COVID syndrome: role of viral neurotropism, neuroinflammation, and neuroimmune responses. Lancet Respiratory Medicine,the, 2021, 9, 533-544.	5.2	190
57	Hydroelectrolytic Disorder in COVID-19 patients: Evidence Supporting the Involvement of Subfornical Organ and Paraventricular Nucleus of the Hypothalamus. Neuroscience and Biobehavioral Reviews, 2021, 124, 216-223.	2.9	10
59	What is causing the â€˜long-haulerâ€™ phenomenon after COVID-19?. Cleveland Clinic Journal of Medicine, 2021, 88, 273-278.	0.6	4
62	Post-Acute COVID-19 Neurological Syndrome: A New Medical Challenge. Journal of Clinical Medicine, 2021, 10, 1947.	1.0	34
63	Insights into SARS-CoV-2 Persistence and Its Relevance. Viruses, 2021, 13, 1025.	1.5	37
64	Unravelling Pathophysiology of Neurological and Psychiatric Complications of COVID-19 Using Brain Organoids. Neuroscientist, 2023, 29, 30-40.	2.6	24
65	Cerebral organoids and their potential for studies of brain diseases in domestic animals. Veterinary Research, 2021, 52, 65.	1.1	3
66	Neurological pathogenesis of SARS-CoV-2 (COVID-19): from virological features to clinical symptoms. Inflammation and Regeneration, 2021, 41, 15.	1.5	11
67	Blood neurofilament light chain and total tau levels at admission predict death in COVID-19 patients. Journal of Neurology, 2021, 268, 4436-4442.	1.8	63
68	Diverse functional autoantibodies in patients with COVID-19. Nature, 2021, 595, 283-288.	13.7	619
69	Covidâ€19 Infection and Parkinsonism: Is There a Link?. Movement Disorders, 2021, 36, 1737-1743.	2.2	31
70	In Silico and In Vitro Analyses Validate Human MicroRNAs Targeting the SARS-CoV-2 3â€²-UTR. International Journal of Molecular Sciences, 2021, 22, 6094.	1.8	9
71	The impact of SARS-Cov-2 on the Nervous system and Mental Health. Current Neuropharmacology, 2021, 19, .	1.4	3

#	Article	IF	Citations
72	Cognitive decline following acute viral infections: literature review and projections for post-COVID-19. European Archives of Psychiatry and Clinical Neuroscience, 2022, 272, 139-154.	1.8	40
73	Replication Kinetics, Cell Tropism, and Associated Immune Responses in SARS-CoV-2- and H5N1 Virus-Infected Human Induced Pluripotent Stem Cell-Derived Neural Models. MSphere, 2021, 6, e0027021.	1.3	26
74	Delirium in COVID-19: can we make the unknowns knowns?. Intensive Care Medicine, 2021, 47, 1144-1147.	3.9	6
75	Patients with schizophrenia have decreased COVIDâ€19 prevalence among hospitalised patients with psychiatric and neurological diseases: A retrospective analysis in Mexican population. International Journal of Clinical Practice, 2021, 75, e14528.	0.8	6
76	The Fight against COVID-19 on the Multi-Protease Front and Surroundings: Could an Early Therapeutic Approach with Repositioning Drugs Prevent the Disease Severity?. Biomedicines, 2021, 9, 710.	1.4	7
77	Defense of COVID-19 by Human Organoids. Phenomics, 2021, 1, 113-128.	0.9	8
78	Lung-Centric Inflammation of COVID-19: Potential Modulation by Vitamin D. Nutrients, 2021, 13, 2216.	1.7	15
79	Network medicine links SARS-CoV-2/COVID-19 infection to brain microvascular injury and neuroinflammation in dementia-like cognitive impairment. Alzheimer's Research and Therapy, 2021, 13, 110.	3.0	108
80	COVID-19 leukoencephalopathy with subacute magnetic resonance imaging findings of vasculitis and demyelination. Journal of NeuroVirology, 2021, 27, 656-661.	1.0	1
81	Microglial Implications in SARS-CoV-2 Infection and COVID-19: Lessons From Viral RNA Neurotropism and Possible Relevance to Parkinsonâ€™s Disease. Frontiers in Cellular Neuroscience, 2021, 15, 670298.	1.8	40
82	Mitochondrial DNA Heteroplasmy as an Informational Reservoir Dynamically Linked to Metabolic and Immunological Processes Associated with COVID-19 Neurological Disorders. Cellular and Molecular Neurobiology, 2022, 42, 99-107.	1.7	14
83	The Altered Anatomical Distribution of ACE2 in the Brain With Alzheimerâ€™s Disease Pathology. Frontiers in Cell and Developmental Biology, 2021, 9, 684874.	1.8	19
84	The Effects of Environmental Adversities on Human Neocortical Neurogenesis Modeled in Brain Organoids. Frontiers in Molecular Biosciences, 2021, 8, 686410.	1.6	14
85	Long COVID or Post-acute Sequelae of COVID-19 (PASC): An Overview of Biological Factors That May Contribute to Persistent Symptoms. Frontiers in Microbiology, 2021, 12, 698169.	1.5	512
86	Dysregulation of brain and choroid plexus cell types in severe COVID-19. Nature, 2021, 595, 565-571.	13.7	406
87	COVID-19 and hyperammonemia: Potential interplay between liver and brain dysfunctions. Brain, Behavior, & Immunity - Health, 2021, 14, 100257.	1.3	11
88	The relative expression of miR-31, miR-29, miR-126, and miR-17 and their mRNA targets in the serum of COVID-19 patients with different grades during hospitalization. European Journal of Medical Research, 2021, 26, 75.	0.9	32
89	Cerebral Organoidsâ€”Challenges to Establish a Brain Prototype. Cells, 2021, 10, 1790.	1.8	12

#	Article	IF	Citations
90	COVIDâ€19 and ischemic stroke. European Journal of Neurology, 2021, 28, 3826-3836.	1.7	55
91	Identification of drugs associated with reduced severity of COVID-19 â€“ a case-control study in a large population. ELife, 2021, 10, .	2.8	32
92	Single-nucleus transcriptome analysis of human brain immune response in patients with severe COVID-19. Genome Medicine, 2021, 13, 118.	3.6	81
93	SARS-CoV-2 may trigger inflammasome and pyroptosis in the central nervous system: a mechanistic view of neurotropism. Inflammopharmacology, 2021, 29, 1049-1059.	1.9	16
94	Can coronavirus disease 2019 (COVID-19) trigger exacerbation of multiple sclerosis? A retrospective study. Multiple Sclerosis and Related Disorders, 2021, 52, 102947.	0.9	50
95	Deep spatial profiling of human COVID-19 brains reveals neuroinflammation with distinct microanatomical microglia-T-cell interactions. Immunity, 2021, 54, 1594-1610.e11.	6.6	210
96	Emerging neurotropic features of SARS-CoV-2. Journal of Molecular Cell Biology, 2021, 13, 705-711.	1.5	12
97	Microfabricated disk technology: Rapid scale up in midbrain organoid generation. Methods, 2022, 203, 465-477.	1.9	15
98	Non-permissive SARS-CoV-2 infection in human neurospheres. Stem Cell Research, 2021, 54, 102436.	0.3	19
99	SARS-CoV-2 Infected Pediatric Cerebral Cortical Neurons: Transcriptomic Analysis and Potential Role of Toll-like Receptors in Pathogenesis. International Journal of Molecular Sciences, 2021, 22, 8059.	1.8	10
100	Entry receptor bias in evolutionarily distant HSV-1 clinical strains drives divergent ocular and nervous system pathologies. Ocular Surface, 2021, 21, 238-249.	2.2	7
101	Possible Link between SARS-CoV-2 Infection and Parkinsonâ€™s Disease: The Role of Toll-Like Receptor 4. International Journal of Molecular Sciences, 2021, 22, 7135.	1.8	23
102	Pathogenesis of the initial stages of severe COVID-19. Journal of Clinical Practice, 2021, 12, 83-102.	0.2	5
103	The Influence of Virus Infection on Microglia and Accelerated Brain Aging. Cells, 2021, 10, 1836.	1.8	24
104	Sudden Sensorineural Hearing Loss in Mild COVID-19: Case Series and Analysis of the Literature. Audiology Research, 2021, 11, 313-326.	0.8	34
105	SARS-CoV-2: is there neuroinvasion?. Fluids and Barriers of the CNS, 2021, 18, 32.	2.4	43
106	ComunicaciÃ³n entre la periferia y el cerebro en enfermedades neurodegenerativas: influencia de las citocinas proinflamatorias y su relaciÃ³n con la COVID-19. Neurologia Argentina, 2021, 13, 170-174.	0.1	2
107	COVID-19 false dichotomies and a comprehensive review of the evidence regarding public health, COVID-19 symptomatology, SARS-CoV-2 transmission, mask wearing, and reinfection. BMC Infectious Diseases, 2021, 21, 710.	1.3	118

#	Article	IF	Citations
109	SARS-CoV-2 Poorly Replicates in Cells of the Human Blood-Brain Barrier Without Associated Deleterious Effects. Frontiers in Immunology, 2021, 12, 697329.	2.2	26
110	SARS-CoV-2 Research Using Human Pluripotent Stem Cells and Organoids. Stem Cells Translational Medicine, 2021, 10, 1491-1499.	1.6	16
111	A human three-dimensional neural-perivascular â€˜assembloidâ€™ promotes astrocytic development and enables modeling of SARS-CoV-2 neuropathology. Nature Medicine, 2021, 27, 1600-1606.	15.2	94
112	Does serotonin deficiency lead to anosmia, ageusia, dysfunctional chemesthesis and increased severity of illness in COVID-19?. Medical Hypotheses, 2021, 153, 110627.	0.8	18
114	Investigating the impact of asymptomatic or mild SARS-CoV-2 infection on female fertility and in vitro fertilization outcomes: A retrospective cohort study. EClinicalMedicine, 2021, 38, 101013.	3.2	56
115	Therapeutic potential of mesenchymal stem cells in multiple organs affected by COVID-19. Life Sciences, 2021, 278, 119510.	2.0	8
117	Similar patterns of [18F]-FDG brain PET hypometabolism in paediatric and adult patients with long COVID: a paediatric case series. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 913-920.	3.3	58
118	Severe Acute Respiratory Syndrome Coronavirus 2 Viremia Is Associated With Coronavirus Disease 2019 Severity and Predicts Clinical Outcomes. Clinical Infectious Diseases, 2022, 74, 1525-1533.	2.9	96
120	The Age of Brain Organoids: Tailoring Cell Identity and Functionality for Normal Brain Development and Disease Modeling. Frontiers in Neuroscience, 2021, 15, 674563.	1.4	18
121	Tissue clearing and 3D imaging â€“ putting immune cells into context. Journal of Cell Science, 2021, 134, .	1.2	6
122	The effect of SARS-CoV-2 on the nervous system: a review of neurological impacts caused by human coronaviruses. Reviews in the Neurosciences, 2022, 33, 257-268.	1.4	3
123	Investigating Neurological Manifestations of SARS-CoV-2. Journal of NeuroImmune Pharmacology, 2021, , 1.	2.1	0
124	Neurological effects of elevated levels of angiotensin II in COVID-19 patients. Human Cell, 2021, 34, 1941-1942.	1.2	5
126	Rapid generation of mouse model for emerging infectious disease with the case of severe COVID-19. PLoS Pathogens, 2021, 17, e1009758.	2.1	17
127	Animal Models for COVID-19: Hamsters, Mouse, Ferret, Mink, Tree Shrew, and Non-human Primates. Frontiers in Microbiology, 2021, 12, 626553.	1.5	90
128	Possible Use of Phytochemicals for Recovery from COVID-19-Induced Anosmia and Ageusia. International Journal of Molecular Sciences, 2021, 22, 8912.	1.8	32
129	Protective Effects of Astodrimer Sodium 1% Nasal Spray Formulation against SARS-CoV-2 Nasal Challenge in K18-hACE2 Mice. Viruses, 2021, 13, 1656.	1.5	14
130	Next-Generation Human Cerebral Organoids as Powerful Tools To Advance NeuroHIV Research. MBio, 2021, 12, e0068021.	1.8	10

#	Article	IF	Citations
131	Acute and chronic neurological disorders in COVID-19: potential mechanisms of disease. Brain, 2021, 144, 3576-3588.	3.7	101
132	Possible therapeutic targets and promising drugs based on unsymmetrical hetaryl-substituted porphyrins to combat SARS-CoV-2. Journal of Pharmaceutical Analysis, 2021, 11, 691-698.	2.4	8
133	A Systematic Review of Severe Neurological Manifestations in Pediatric Patients with Coexisting SARS-CoV-2 Infection. Neurology International, 2021, 13, 410-427.	1.3	30
134	Critical View of Novel Treatment Strategies for Glioblastoma: Failure and Success of Resistance Mechanisms by Glioblastoma Cells. Frontiers in Cell and Developmental Biology, 2021, 9, 695325.	1.8	27
135	SARS-CoV-2 infection of the central nervous system in a 14-month-old child: A case report of a complete autopsy. The Lancet Regional Health Americas, 2021, 2, 100046.	1.5	18
136	SARS-CoV-2, Trait Anxiety, and the Microbiome. Frontiers in Psychiatry, 2021, 12, 720082.	1.3	6
137	COVID-19-related headache and sinonasal inflammation: A longitudinal study analysing the role of acute rhinosinusitis and ICHD-3 classification difficulties in SARS-CoV-2 infection. Cephalalgia, 2022, 42, 218-228.	1.8	26
138	Hypotheses on the neuroimmune cross-talk between COVID-19 and neuropsychiatric disorders. Psychoneuroendocrinology, 2021, 131, 105359.	1.3	0
140	Thimet Oligopeptidaseâ€"A Classical Enzyme with New Function and New Form. Immuno, 2021, 1, 332-346.	0.6	1
141	Neuropsychiatric manifestations of COVID-19, potential neurotropic mechanisms, and therapeutic interventions. Translational Psychiatry, 2021, 11, 499.	2.4	35
142	Combining spike- and nucleocapsid-based vaccines improves distal control of SARS-CoV-2. Cell Reports, 2021, 36, 109664.	2.9	99
143	Manifestations and mechanisms of central nervous system damage caused by SARS-CoV-2. Brain Research Bulletin, 2021, 177, 155-163.	1.4	12
144	Hyperinflammatory Immune Response and COVID-19: A Double Edged Sword. Frontiers in Immunology, 2021, 12, 742941.	2.2	81
145	SARS-CoV-2 crosses the bloodâ€"brain barrier accompanied with basement membrane disruption without tight junctions alteration. Signal Transduction and Targeted Therapy, 2021, 6, 337.	7.1	157
146	Neuropsychiatric Disorders and COVID-19: What We Know So Far. Pharmaceuticals, 2021, 14, 933.	1.7	10
147	Delirium in Critically Ill Patients with and without COVID-19â€"A Retrospective Analysis. Journal of Clinical Medicine, 2021, 10, 4412.	1.0	6
148	Neurological manifestations of COVID-19: A comprehensive literature review and discussion of mechanisms. Journal of Neuroimmunology, 2021, 358, 577658.	1.1	52
149	The microglial NLRP3 inflammasome is involved in human SARS-CoV-2 cerebral pathogenicity: A report of three post-mortem cases. Journal of Neuroimmunology, 2021, 361, 577728.	1.1	26

#	Article	IF	Citations
150	Gliotoxicity and Glioprotection: the Dual Role of Glial Cells. Molecular Neurobiology, 2021, 58, 6577-6592.	1.9	16
151	A comprehensive review of COVID-19 biology, diagnostics, therapeutics, and disease impacting the central nervous system. Journal of NeuroVirology, 2021, 27, 667-690.	1.0	12
153	SARS-CoV-2 Disrupts Proximal Elements in the JAK-STAT Pathway. Journal of Virology, 2021, 95, e0086221.	1.5	58
154	Covid-19 interface with drug misuse and substance use disorders. Neuropharmacology, 2021, 198, 108766.	2.0	16
155	Cell entry by SARS-CoV-2. Trends in Biochemical Sciences, 2021, 46, 848-860.	3.7	118
156	Biological and Psychological Factors Determining Neuropsychiatric Outcomes in COVID-19. Current Psychiatry Reports, 2021, 23, 68.	2.1	17
157	Extracellular Vesicle-Based Therapy for COVID-19: Promises, Challenges and Future Prospects. Biomedicines, 2021, 9, 1373.	1.4	33
158	In silico analysis of the aggregation propensity of the SARS-CoV-2 proteome: Insight into possible cellular pathologies. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2021, 1869, 140693.	1.1	7
159	Mental Health Issues During and After COVID-19 Vaccine Era. Brain Research Bulletin, 2021, 176, 161-173.	1.4	67
160	ACE2 expression in rat brain: Implications for COVID-19 associated neurological manifestations. Experimental Neurology, 2021, 345, 113837.	2.0	50
161	Animal models of SARS-CoV-2 and COVID-19 for the development of prophylactic and therapeutic interventions. , 2021, 228, 107931.		18
162	Landscape of Tâ€cell repertoires with public COVIDâ€19â€associated Tâ€cell receptors in preâ€pandemic risk cohorts. Clinical and Translational Immunology, 2021, 10, e1340.	1.7	16
163	Lessons learned 1 year after SARS-CoV-2 emergence leading to COVID-19 pandemic. Emerging Microbes and Infections, 2021, 10, 507-535.	3.0	202
164	Neurobiology of SARS-CoV-2 interactions with the peripheral nervous system: implications for COVID-19 and pain. Pain Reports, 2021, 6, e885.	1.4	83
165	Endothelial cell infection and dysfunction, immune activation in severe COVID-19. Theranostics, 2021, 11, 8076-8091.	4.6	70
170	Ubiquity of the SARS-CoV-2 receptor ACE2 and upregulation in limbic regions of Alzheimerâ€™s disease brain. Folia Neuropathologica, 2021, 59, 232-238.	0.5	15
171	SARS-CoV-2 mechanisms of action and impact on human organism, risk factors and potential treatments. An exhaustive survey. International Journal of Transgender Health, 2021, 14, 894-947.	1.1	0
172	COVID-19 related Psychotic Disorder: Symptomatology in Infected and Uninfected Patients. Integrative Journal of Medical Sciences, 0, 8, .	0.0	0

#	Article	IF	Citations
173	Organoid Models for Infectious Disease. Annual Review of Medicine, 2022, 73, 167-182.	5.0	20
174	Toll-like Receptors in Viral Encephalitis. Viruses, 2021, 13, 2065.	1.5	10
175	Recent Advances of COVID-19 Modeling Based on Regenerative Medicine. Frontiers in Cell and Developmental Biology, 2021, 9, 683619.	1.8	8
177	The Role of Pathogens and Anti-Infective Agents in Parkinsonâ€™s Disease, from Etiology to Therapeutic Implications. Journal of Parkinson's Disease, 2022, 12, 27-44.	1.5	4
178	The relevance of magnesium homeostasis in COVID-19. European Journal of Nutrition, 2022, 61, 625-636.	1.8	42
179	Highly efficient intercellular spreading of protein misfolding mediated by viral ligand-receptor interactions. Nature Communications, 2021, 12, 5739.	5.8	42
180	Harnessing autophagy to fight SARSâ€CoVâ€2: An update in view of recent drug development efforts. Journal of Cellular Biochemistry, 2022, 123, 155-160.	1.2	5
181	Identifying New COVID-19 Receptor Neuropilin-1 in Severe Alzheimerâ€™s Disease Patients Group Brain Using Genome-Wide Association Study Approach. Frontiers in Genetics, 2021, 12, 741175.	1.1	15
182	First-Time Psychotic Symptoms in a Patient After COVID-19 Infectionâ€”A Case Report. Frontiers in Psychiatry, 2021, 12, 726059.	1.3	6
183	Immunometabolic Dysregulation at the Intersection of Obesity and COVID-19. Frontiers in Immunology, 2021, 12, 732913.	2.2	16
184	The SARS-CoV-2 main protease Mpro causes microvascular brain pathology by cleaving NEMO in brain endothelial cells. Nature Neuroscience, 2021, 24, 1522-1533.	7.1	164
185	Pathology and Immunity After SARS-CoV-2 Infection in Male Ferrets Is Affected by Age and Inoculation Route. Frontiers in Immunology, 2021, 12, 750229.	2.2	17
186	Neuroimmune multi-hit perspective of coronaviral infection. Journal of Neuroinflammation, 2021, 18, 231.	3.1	9
187	SARS-CoV-2 S1 Protein Induces Endolysosome Dysfunction and Neuritic Dystrophy. Frontiers in Cellular Neuroscience, 2021, 15, 777738.	1.8	7
188	Neurotropism of SARS-CoV-2 and neurological diseases of the central nervous system in COVID-19 patients. Experimental Brain Research, 2022, 240, 9-25.	0.7	38
190	Recent findings and applications of biomedical engineering for COVID-19 diagnosis: a critical review. Bioengineered, 2021, 12, 8594-8613.	1.4	10
191	Hamster organotypic modeling of SARS-CoV-2 lung and brainstem infection. Nature Communications, 2021, 12, 5809.	5.8	37
192	COVID-19, circadian rhythms and sleep: from virology to chronobiology. Interface Focus, 2021, 11, 20210043.	1.5	12

#	Article	IF	Citations
193	Uncertainty around the Long-Term Implications of COVID-19. Pathogens, 2021, 10, 1267.	1.2	16
194	Acute Disseminated Encephalomyelitis: A rare form of COVID-19's neurotropism. Annals of Medicine and Surgery, 2021, 71, 102940.	0.5	3
195	SARS-CoV-2-associated cytokine storm during pregnancy as a possible risk factor for neuropsychiatric disorder development in post-pandemic infants. Neuropharmacology, 2021, 201, 108841.	2.0	18
196	ACE2 Rescues Impaired Autophagic Flux Through the PI3K/AKT Pathway After Subarachnoid Hemorrhage. Neurochemical Research, 2022, 47, 601-612.	1.6	2
197	Complete protection by a single-dose skin patchâ€“delivered SARS-CoV-2 spike vaccine. Science Advances, 2021, 7, eabj8065.	4.7	31
198	Sialic acid-containing glycolipids mediate binding and viral entry of SARS-CoV-2. Nature Chemical Biology, 2022, 18, 81-90.	3.9	141
199	Visualizing in deceased COVID-19 patients how SARS-CoV-2 attacks the respiratory and olfactory mucosae but spares the olfactory bulb. Cell, 2021, 184, 5932-5949.e15.	13.5	245
200	Integrated analysis of circulating immune cellular and soluble mediators reveals specific COVID19 signatures at hospital admission with utility for prediction of clinical outcomes. Theranostics, 2022, 12, 290-306.	4.6	11
201	Explorations in a galaxy of sialic acids: a review of sensing horizons, motivated by emerging biomedical and nutritional relevance. Sensors & Diagnostics, 2022, 1, 10-70.	1.9	9
202	Dysautonomia and Implications for Anosmia in Long COVID-19 Disease. Journal of Clinical Medicine, 2021, 10, 5514.	1.0	11
203	Neural Infection by Oropouche Virus in Adult Human Brain Slices Induces an Inflammatory and Toxic Response. Frontiers in Neuroscience, 2021, 15, 674576.	1.4	9
204	PDZ-Containing Proteins Targeted by the ACE2 Receptor. Viruses, 2021, 13, 2281.	1.5	11
206	Mutations of SARS-CoV-2 spike protein: Implications on immune evasion and vaccine-induced immunity. Seminars in Immunology, 2021, 55, 101533.	2.7	72
208	Methodologies for Generating Brain Organoids to Model Viral Pathogenesis in the CNS. Pathogens, 2021, 10, 1510.	1.2	5
209	Implications of testicular ACE2 and the reninâ€“angiotensin system for SARS-CoV-2 on testis function. Nature Reviews Urology, 2022, 19, 116-127.	1.9	29
210	Cerebral dysfunctions caused by sepsis during ageing. Nature Reviews Immunology, 2022, 22, 444-458.	10.6	55
211	Central Nervous System Effects of COVID-19 in People with HIV Infection. Current HIV/AIDS Reports, 2021, 18, 538-548.	1.1	7
212	Delirium and Cognitive Impairment as Predisposing Factors of COVID-19 Infection in Neuropsychiatric Patients: A Narrative Review. Medicina (Lithuania), 2021, 57, 1244.	0.8	8

#	Article	IF	Citations
213	Neurological complications and infection mechanism of SARS-CoV-2. Signal Transduction and Targeted Therapy, 2021, 6, 406.	7.1	76
214	ACE2-like carboxypeptidase B38-CAP protects from SARS-CoV-2-induced lung injury. Nature Communications, 2021, 12, 6791.	5.8	32
215	Remitting neuropsychiatric symptoms in COVIDâ€19 patients: Viral cause or drug effect?. Journal of Medical Virology, 2022, 94, 1154-1161.	2.5	7
216	Breakthroughs in microbiology made possible with organoids. PLoS Pathogens, 2021, 17, e1010080.	2.1	6
218	18F-FDG-PET Imaging for Post-COVID-19 Brain and Skeletal Muscle Alterations. Viruses, 2021, 13, 2283.	1.5	30
219	Interactions between SARS-CoV-2 N-Protein and Î±-Synuclein Accelerate Amyloid Formation. ACS Chemical Neuroscience, 2022, 13, 143-150.	1.7	81
221	Nicotinic receptors as SARS-CoV-2 spike co-receptors?. Medical Hypotheses, 2022, 158, 110741.	0.8	13
222	Inappropriate sinus tachycardia in post-COVID-19 syndrome. Scientific Reports, 2022, 12, 298.	1.6	57
223	Molecular Mechanisms of SARS-CoV-2/COVID-19 Pathogenicity on the Central Nervous System: Bridging Experimental Probes to Clinical Evidence and Therapeutic Interventions. Advances in Experimental Medicine and Biology, 2021, , 1.	0.8	1
224	A novel STING agonist-adjuvanted pan-sarbecovirus vaccine elicits potent and durable neutralizing antibody and T cell responses in mice, rabbits and NHPs. Cell Research, 2022, 32, 269-287.	5.7	54
226	In Vivo Hematopoietic Stem Cell Gene Therapy for SARS-CoV2 Infection Using a Decoy Receptor. Human Gene Therapy, 2022, 33, 389-403.	1.4	5
227	Could SARS-CoV-2 Spike Protein Be Responsible for Long-COVID Syndrome?. Molecular Neurobiology, 2022, 59, 1850-1861.	1.9	76
228	Stellate ganglion block reduces symptoms of Long COVID: A case series. Journal of Neuroimmunology, 2022, 362, 577784.	1.1	39
229	Hamsters Expressing Human Angiotensin-Converting Enzyme 2 Develop Severe Disease following Exposure to SARS-CoV-2. MBio, 2022, 13, e0290621.	1.8	17
230	Human Brain Organoids as an In Vitro Model System of Viral Infectious Diseases. Frontiers in Immunology, 2021, 12, 792316.	2.2	12
231	Human Organoids as a Promising Platform for Fighting COVID-19. International Journal of Biological Sciences, 2022, 18, 901-910.	2.6	3
232	COVID-19-Induced Stroke and the Potential of Using Mesenchymal Stem Cells-Derived Extracellular Vesicles in the Regulation of Neuroinflammation. Cellular and Molecular Neurobiology, 2023, 43, 37-46.	1.7	6
233	The potential role of COVID-19 in the induction of DNA damage. Mutation Research - Reviews in Mutation Research, 2022, 789, 108411.	2.4	18

#	Article	IF	Citations
235	Administration of aerosolized SARS-CoV-2 to K18-hACE2 mice uncouples respiratory infection from fatal neuroinvasion. Science Immunology, 2022, 7, .	5.6	61
236	The blood-brain barrier is dysregulated in COVID-19 and serves as a CNS entry route for SARS-CoV-2. Stem Cell Reports, 2022, 17, 307-320.	2.3	138
237	Modulation of the Conformational Space of SARSâ€CoVâ€2 RNA Quadruplex RGâ€1â€‰by Cellular Components and the Amyloidogenic Peptides Î±â€Synuclein and hIAPP. Chemistry - A European Journal, 2022, 28, .	1.7	15
238	A Journey into the Clinical Relevance of Heme Oxygenase 1 for Human Inflammatory Disease and Viral Clearance: Why Does It Matter on the COVID-19 Scene?. Antioxidants, 2022, 11, 276.	2.2	12
239	Animal models for SARS-CoV-2 and SARS-CoV-1 pathogenesis, transmission and therapeutic evaluation. World Journal of Virology, 2022, 11, 40-56.	1.3	9
240	Nutraceuticals in HIV and COVID-19-Related Neurological Complications: Opportunity to Use Extracellular Vesicles as Drug Delivery Modality. Biology, 2022, 11, 177.	1.3	5
241	The Role of Ionizing Radiation for Diagnosis and Treatment against COVID-19: Evidence and Considerations. Cells, 2022, 11, 467.	1.8	5
242	A Peek into Pandoraâ€™s Box: COVID-19 and Neurodegeneration. Brain Sciences, 2022, 12, 190.	1.1	9
243	Cerebrospinal fluid findings in COVID-19: a multicenter study of 150 lumbar punctures in 127 patients. Journal of Neuroinflammation, 2022, 19, 19.	3.1	82
244	When the virus hits suddenly: COVID-19 mimicking a subarachnoid haemorrhageâ€”a case report and concise review of the literature. Oxford Medical Case Reports, 2022, 2022, omab133.	0.2	1
245	Modeling Developmental Brain Diseases Using Human Pluripotent Stem Cells-Derived Brain Organoids â€“ Progress and Perspective. Journal of Molecular Biology, 2022, 434, 167386.	2.0	15
246	Human Organoids and Organsâ€onâ€Chips for Addressing COVIDâ€19 Challenges. Advanced Science, 2022, 9, e2105187.	5.6	19
247	Amyloid processing in <scp>COVID</scp>â€19â€associated neurological syndromes. Journal of Neurochemistry, 2022, 161, 146-157.	2.1	35
248	The polygamous GnRH neuron: Astrocytic and tanycytic communication with a neuroendocrine neuronal population. Journal of Neuroendocrinology, 2022, 34, e13104.	1.2	11
249	Multiple Aspects of Inappropriate Action of Reninâ€“Angiotensin, Vasopressin, and Oxytocin Systems in Neuropsychiatric and Neurodegenerative Diseases. Journal of Clinical Medicine, 2022, 11, 908.	1.0	14
250	Antibacterial Effect and Mode of Action of Secondary Metabolites from Fungal Endophyte Associated with Aloe ferox Mill. Microbiology Research, 2022, 13, 90-101.	0.8	13
251	Impact of COVIDâ€19 on the Onset and Progression of Alzheimer's Disease and Related Dementias: A Roadmap for Future Research. Alzheimer's and Dementia, 2022, 18, 1038-1046.	0.4	34
252	Administration of aerosolized SARS-CoV-2 to K18-hACE2 mice uncouples respiratory infection from fatal neuroinvasion. Science Immunology, 2021, , eabl9929.	5.6	3

#	Article	IF	Citations
253	Neuro-axonal injury in COVID-19: the role of systemic inflammation and SARS-CoV-2 specific immune response. Therapeutic Advances in Neurological Disorders, 2022, 15, 175628642210805.	1.5	8
254	AT1 Receptors: Their Actions from Hypertension to Cognitive Impairment. Cardiovascular Toxicology, 2022, 22, 311-325.	1.1	13
255	Diltiazem inhibits SARS-CoV-2 cell attachment and internalization and decreases the viral infection in mouse lung. PLoS Pathogens, 2022, 18, e1010343.	2.1	14
256	Intranasal dexamethasone: a new clinical trial for the control of inflammation and neuroinflammation in COVID-19 patients. Trials, 2022, 23, 148.	0.7	5
258	Organoid Studies in COVID-19 Research. International Journal of Stem Cells, 2022, 15, 3-13.	0.8	13
259	Pandemics disable people â€" the history lesson that policymakers ignore. Nature, 2022, 602, 383-385.	13.7	9
260	SARS-CoV-2 interacts with renin-angiotensin system: impact on the central nervous system in elderly patients. GeroScience, 2022, , 1.	2.1	4
261	SARS-CoV-2 Infects Primary Neurons from Human ACE2 Expressing Mice and Upregulates Genes Involved in the Inflammatory and Necroptotic Pathways. Pathogens, 2022, 11, 257.	1.2	25
262	COVID-19 and the Vasculature: Current Aspects and Long-Term Consequences. Frontiers in Cell and Developmental Biology, 2022, 10, 824851.	1.8	51
263	Mechanisms of Entry Into the Central Nervous System by Neuroinvasive Pathogens. Journal of Neuro-Ophthalmology, 2022, Publish Ahead of Print, .	0.4	3
264	Microglia Do Not Restrict SARS-CoV-2 Replication following Infection of the Central Nervous System of K18-Human ACE2 Transgenic Mice. Journal of Virology, 2022, 96, jvi0196921.	1.5	18
265	Fatal Neurodissemination and SARS-CoV-2 Tropism in K18-hACE2 Mice Is Only Partially Dependent on hACE2 Expression. Viruses, 2022, 14, 535.	1.5	47
267	Oneâ€year cognitive followâ€up of COVIDâ€19 hospitalized patients. European Journal of Neurology, 2022, 29, 2006-2014.	1.7	54
268	Exosome Processing and Characterization Approaches for Research and Technology Development. Advanced Science, 2022, 9, e2103222.	5.6	89
269	Angiotensin II Type I Receptor (AT1R): The Gate towards COVID-19-Associated Diseases. Molecules, 2022, 27, 2048.	1.7	38
270	The Impact of SARS-CoV-2 Infection on Youth Mental Health: A Narrative Review. Biomedicines, 2022, 10, 772.	1.4	19
271	HDAC Inhibition as Neuroprotection in COVID-19 Infection. Current Topics in Medicinal Chemistry, 2022, 22, 1369-1378.	1.0	6
272	Factors Associated With Severity of Delirium Complicating COVID-19 in Intensive Care Units. Frontiers in Neurology, 2022, 13, 774953.	1.1	4

#	Article	IF	Citations
273	Mechanistic Insights Into the Immune Pathophysiology of COVID-19; An In-Depth Review. Frontiers in Immunology, 2022, 13, 835104.	2.2	28
276	Human Brain Organoids as Models for Central Nervous System Viral Infection. Viruses, 2022, 14, 634.	1.5	20
277	Long-term cognitive impairments following COVID-19: a possible impact of hypoxia. Journal of Neurology, 2022, 269, 3982-3989.	1.8	19
278	The Impact of the COVID-19 Virus Pandemic on the Incidence of First Psychotic Spectrum Disorders. International Journal of Environmental Research and Public Health, 2022, 19, 3781.	1.2	7
279	Diabetes as a potential compounding factor in COVID-19-mediated male subfertility. Cell and Bioscience, 2022, 12, 35.	2.1	5
280	Coagulation factors directly cleave SARS-CoV-2 spike and enhance viral entry. ELife, 2022, 11, .	2.8	34
281	SARS-CoV-2 infects and replicates in photoreceptor and retinal ganglion cells of human retinal organoids. Stem Cell Reports, 2022, 17, 789-803.	2.3	22
282	Intranasal administration of BReC-CoV-2 COVID-19 vaccine protects K18-hACE2 mice against lethal SARS-CoV-2 challenge. Npj Vaccines, 2022, 7, 36.	2.9	29
283	COVID-19-Associated Encephalitis: Two Case Reports. Cureus, 2022, 14, e23243.	0.2	2
284	Putative Role of the Lungâ€“Brain Axis in the Pathogenesis of COVID-19-Associated Respiratory Failure: A Systematic Review. Biomedicines, 2022, 10, 729.	1.4	5
285	The Impact of the SARS-CoV-2 Pandemic on Reproduction, Sexual Function and Behaviors: A Review of the Main Trends and Findings. International Journal of Sexual Health, 2022, 34, 351-365.	1.2	2
286	The neuroinvasiveness, neurotropism, and neurovirulence of SARS-CoV-2. Trends in Neurosciences, 2022, 45, 358-368.	4.2	118
287	One-Year Trajectory of Cognitive Changes in Older Survivors of COVID-19 in Wuhan, China. JAMA Neurology, 2022, 79, 509.	4.5	133
288	COVID-19 in pregnancy: implications for fetal brain development. Trends in Molecular Medicine, 2022, 28, 319-330.	3.5	70
289	COVID-19-Related Brain Injury: The Potential Role of Ferroptosis. Journal of Inflammation Research, 2022, Volume 15, 2181-2198.	1.6	15
291	SARS-CoV-2 impairs the disassembly of stress granules and promotes ALS-associated amyloid aggregation. Protein and Cell, 2022, 13, 602-614.	4.8	15
292	Potential Neuroprotective Effect of Cannabinoids in Covid-19 Patients.. Current Topics in Medicinal Chemistry, 2022, 22, .	1.0	2
293	Comprehensive Oncogenic Features of Coronavirus Receptors in Glioblastoma Multiforme. Frontiers in Immunology, 2022, 13, 840785.	2.2	8

#	Article	IF	Citations
294	Understanding on the possible routes for SARS CoV-2 invasion via ACE2 in the host linked with multiple organs damage. Infection, Genetics and Evolution, 2022, 99, 105254.	1.0	21
295	SARS-CoV-2 entry sites are present in all structural elements of the human glossopharyngeal and vagal nerves: Clinical implications. EBioMedicine, 2022, 78, 103981.	2.7	21
296	NeuroCOVID: Insights into Neuroinvasion and Pathophysiology. Clinical and Translational Neuroscience, 2022, 6, 10.	0.4	1
297	Does SARS-CoV-2 affect neurodegenerative disorders? TLR2, a potential receptor for SARS-CoV-2 in the CNS. Experimental and Molecular Medicine, 2022, 54, 447-454.	3.2	19
298	COVID-19 vaccine associated demyelination & its association with MOG antibody. Multiple Sclerosis and Related Disorders, 2022, 60, 103739.	0.9	32
299	Differential transcriptomic landscapes of multiple organs from SARS-CoV-2 early infected rhesus macaques. Protein and Cell, 2022, 13, 920-939.	4.8	9
300	Human organoid models to study SARS-CoV-2 infection. Nature Methods, 2022, 19, 418-428.	9.0	73
301	Inflammation at the crossroads of COVID-19, cognitive deficits and depression. Neuropharmacology, 2022, 209, 109023.	2.0	38
302	Intranasal delivery of SARS-CoV-2 spike protein is sufficient to cause olfactory damage, inflammation and olfactory dysfunction in zebrafish. Brain, Behavior, and Immunity, 2022, 102, 341-359.	2.0	27
303	COVID-19 and neurological sequelae: Vitamin D as a possible neuroprotective and/or neuroreparative agent. Life Sciences, 2022, 297, 120464.	2.0	14
304	Neurological sequela and disruption of neuron-glia homeostasis in SARS-CoV-2 infection. Neurobiology of Disease, 2022, 168, 105715.	2.1	18
305	The Effects of Vitamin C on the Multiple Pathophysiological Stages of COVID-19. Life, 2021, 11, 1341.	1.1	7
306	Perspectives and potential approaches for targeting neuropilin 1 in SARS-CoV-2 infection. Molecular Medicine, 2021, 27, 162.	1.9	14
307	Neglected and (re-)emergent infections of the CNS in low-/middle-income countries. Infezioni in Medicina, 2021, 29, 513-525.	0.7	2
308	How Does Severe Acute Respiratory Syndrome-Coronavirus-2 Affect the Brain and Its Implications for the Vaccines Currently in Use. Vaccines, 2022, 10, 1.	2.1	20
309	Instrumental Evaluation of COVID-19 Related Dysautonomia in Non-Critically-Ill Patients: An Observational, Cross-Sectional Study. Journal of Clinical Medicine, 2021, 10, 5861.	1.0	14
310	Severe stroke in patients admitted to intensive care unit after COVID-19 infection: Pictorial essay of a case series. Brain Hemorrhages, 2022, 3, 29-35.	0.4	10
311	Chronological brain lesions after SARS-CoV-2 infection in hACE2-transgenic mice. Veterinary Pathology, 2022, 59, 613-626.	0.8	37

#	Article	IF	Citations
312	SARS-CoV-2 uses metabotropic glutamate receptor subtype 2 as an internalization factor to infect cells. Cell Discovery, 2021, 7, 119.	3.1	21
314	A humanized mouse model of chronic COVID-19. Nature Biotechnology, 2022, 40, 906-920.	9.4	71
315	Mechanism of Olfactory and Gustatory Disturbances Caused by COVID-19. The Japanese Journal of Rehabilitation Medicine, 2021, 58, 1350-1355.	0.0	0
316	Brain Inflammation and Intracellular Î±-Synuclein Aggregates in Macaques after SARS-CoV-2 Infection. Viruses, 2022, 14, 776.	1.5	23
318	The Delta SARS-CoV-2 Variant of Concern Induces Distinct Pathogenic Patterns of Respiratory Disease in K18-hACE2 Transgenic Mice Compared to the Ancestral Strain from Wuhan. MBio, 2022, 13, e0068322.	1.8	17
319	COVID-19 induced ischemic stroke and mechanisms of viral entry in brain and clot formation: a systematic review and current update. International Journal of Neuroscience, 2022, , 1-14.	0.8	1
320	Editorial: Hot Topics in Cellular Neuropathology. Frontiers in Cellular Neuroscience, 2022, 16, 895861.	1.8	4
321	Microgliosis and neuronal proteinopathy in brain persist beyond viral clearance in SARS-CoV-2 hamster model. EBioMedicine, 2022, 79, 103999.	2.7	48
322	ACE2, Circumventricular Organs and the Hypothalamus, and COVID-19. NeuroMolecular Medicine, 2022, 24, 363-373.	1.8	13
323	Ischemic Stroke and SARS-CoV-2 Infection: The Bidirectional Pathology and Risk Morbidities. Neurology International, 2022, 14, 391-405.	1.3	25
324	SARS-CoV-2 and Multiple Sclerosis: Potential for Disease Exacerbation. Frontiers in Immunology, 2022, 13, 871276.	2.2	13
325	Neuropathological Aspects of SARS-CoV-2 Infection: Significance for Both Alzheimerâ€™s and Parkinsonâ€™s Disease. Frontiers in Neuroscience, 2022, 16, 867825.	1.4	6
326	SARS-CoV-2 Infection of Microglia Elicits Proinflammatory Activation and Apoptotic Cell Death. Microbiology Spectrum, 2022, 10, e0109122.	1.2	50
327	3D Bioprinted Neuralâ€Like Tissue as a Platform to Study Neurotropism of Mouseâ€Adapted SARSâ€CoVâ€2. Advanced Biology, 2022, 6, e2200002.	1.4	4
328	Neuroinvasion and Neurotropism by SARS-CoV-2 Variants in the K18-hACE2 Mouse. Viruses, 2022, 14, 1020.	1.5	58
329	Molecular Mechanisms in the Genesis of Seizures and Epilepsy Associated With Viral Infection. Frontiers in Molecular Neuroscience, 2022, 15, .	1.4	13
330	Heterogeneous Infectivity and Pathogenesis of SARS-CoV-2 Variants Beta, Delta and Omicron in Transgenic K18-hACE2 and Wildtype Mice. Frontiers in Microbiology, 2022, 13, .	1.5	39
331	Post COVID-19 Condition in Children and Adolescents: An Emerging Problem. Frontiers in Pediatrics, 2022, 10, .	0.9	39

#	Article	IF	Citations
332	Neuregulin-1/ErbB4 signaling modulates Plasmodium falciparum HRP2-induced damage to brain cortical organoids. IScience, 2022, 25, 104407.	1.9	4
333	Is there a difference between GBS triggered by COVID-19 and those of other origins?. Egyptian Journal of Neurology, Psychiatry and Neurosurgery, 2022, 58, .	0.4	2
334	Dysregulated Interferon Response and Immune Hyperactivation in Severe COVID-19: Targeting STATs as a Novel Therapeutic Strategy. Frontiers in Immunology, 2022, 13, .	2.2	29
335	Pathophysiology and mechanism of long COVID: a comprehensive review. Annals of Medicine, 2022, 54, 1473-1487.	1.5	258
336	Human Identical Sequences, hyaluronan, and hymecromone â”€ the newÂmechanism and management of COVID-19. Molecular Biomedicine, 2022, 3, 15.	1.7	4
337	Prevention and Treatment of Life-Threatening COVID-19 May Be Possible with Oxygen Treatment. Life, 2022, 12, 754.	1.1	3
338	SARS-CoV-2 Permissive glioblastoma cell line for high throughput antiviral screening. Antiviral Research, 2022, 203, 105342.	1.9	9
339	Neurologic Complications in Children with Seizures and Respiratory Illness: A Comparison between SARS-CoV-2 and Other Respiratory Viruses. SSRN Electronic Journal, 0, , .	0.4	0
340	Brain Resident Memory T Cells Rapidly Expand and Initiate Neuroinflammatory Responses Following CNS Injury and Viral Infection. SSRN Electronic Journal, 0, , .	0.4	0
341	Immune-Mediated Mechanisms of COVID-19 Neuropathology. Frontiers in Neurology, 2022, 13, .	1.1	9
342	Intracranial Aneurysm Rupture after SARS-CoV2 Infection: Case Report and Review of Literature. Pathogens, 2022, 11, 617.	1.2	3
343	Non-Productive Infection of Glial Cells with SARS-CoV-2 in Hamster Organotypic Cerebellar Slice Cultures. Viruses, 2022, 14, 1218.	1.5	0
344	Deregulation of ceRNA Networks in Frontal Cortex and Choroid Plexus of Brain during SARSâ€CoVâ€2 Infection Aggravates Neurological Manifestations: An Insight from Bulk and Singleâ€Cell Transcriptomic Analyses. Advanced Biology, 2022, 6, .	1.4	2
345	Microplastics interact with SARS-CoV-2 and facilitate host cell infection. Environmental Science: Nano, 2022, 9, 2653-2664.	2.2	9
346	The pathogenesis of neurologic symptoms of the postacute sequelae of severe acute respiratory syndrome coronavirus 2 infection. Current Opinion in Neurology, 2022, 35, 384-391.	1.8	8
347	SARS-CoV-2 Omicron variant causes mild pathology in the upper and lower respiratory tract of hamsters. Nature Communications, 2022, 13, .	5.8	73
348	Evidence of Infection of Human Embryonic Stem Cells by SARS-CoV-2. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	1
349	COVID-19 and Dysphagia in Children: A Review. Dysphagia, 0, , .	1.0	3

#	Article	IF	Citations
350	SARS-CoV-2 Neuroinvasion, Inflammatory Neurodegeneration and Alzheimer's Disease. Frontiers in Cellular Neuroscience, 0, 16, .	1.8	6
351	Potential role of astrocyte angiotensin converting enzyme 2 in the neural transmission of COVID-19 and a neuroinflammatory state induced by smoking and vaping. Fluids and Barriers of the CNS, 2022, 19, .	2.4	13
352	Neurotoxic amyloidogenic peptides in the proteome of SARS-COV2: potential implications for neurological symptoms in COVID-19. Nature Communications, 2022, 13, .	5.8	41
353	Potential mechanism of <scp>SARSâ€CoV</scp> â€2â€associated central and peripheral nervous system impairment. Acta Neurologica Scandinavica, 2022, 146, 225-236.	1.0	6
354	Application of Light-Sheet Mesoscopy to Image Host-Pathogen Interactions in Intact Organs. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	1
355	CRISPR/CasRx-Mediated RNA Knockdown Reveals That ACE2 Is Involved in the Regulation of Oligodendroglial Cell Morphological Differentiation. Non-coding RNA, 2022, 8, 42.	1.3	5
356	Mild respiratory COVID can cause multi-lineage neural cell and myelin dysregulation. Cell, 2022, 185, 2452-2468.e16.	13.5	237
357	COVID-19 and first manic episodes: a systematic review. Psychiatry Research, 2022, 314, 114677.	1.7	14
358	Recapitulating influenza virus infection and facilitating antiviral and neuroprotective screening in tractable brain organoids. Theranostics, 2022, 12, 5317-5329.	4.6	2
359	Experimental Models of SARS-COV-2 Infection in the Central Nervous System. Journal of Central Nervous System Disease, 2022, 14, 117957352211022.	0.7	0
360	3D Human Organoids: The Next â€œViralâ€•Model for the Molecular Basis of Infectious Diseases. Biomedicines, 2022, 10, 1541.	1.4	6
361	PHEV infection: A promising model of betacoronavirus-associated neurological and olfactory dysfunction. PLoS Pathogens, 2022, 18, e1010667.	2.1	8
362	Can COVID-19 pandemic worsen previous neurological/psychiatric diseases?. Neurology Perspectives, 2022, 2, 143-150.	0.2	1
363	Complications of severe acute respiratory syndrome coronavirus 2 infection in children. Current Opinion in Rheumatology, 2022, 34, 267-273.	2.0	2
364	COVID-19 and Parkinsonâ€™s Disease: Possible Links in Pathology and Therapeutics. Neurotoxicity Research, 2022, 40, 1586-1596.	1.3	2
365	Modeling infectious diseases of the central nervous system with human brain organoids. Translational Research, 2022, 250, 18-35.	2.2	2
366	Pathological Features and Neuroinflammatory Mechanisms of SARS-CoV-2 in the Brain and Potential Therapeutic Approaches. Biomolecules, 2022, 12, 971.	1.8	12
368	<scp>Guillainâ€BarrÃ©</scp> syndrome and <scp>COVID</scp>â€19: A 1â€year observational multicenter study. European Journal of Neurology, 2022, 29, 3358-3367.	1.7	20

#	Article	IF	Citations
369	Psychiatric Manifestations of COVID-19: A Literature Review. CNS and Neurological Disorders - Drug Targets, 2023, 22, 892-905.	0.8	3
370	Neuromodulation by selective angiotensin-converting enzyme 2 inhibitors. Neuroscience, 2022, 498, 155-173.	1.1	2
371	Neurological Effects of COVID-19 and Its Treatment/Management. , 0, , .		0
372	Autoimmunity and SARSâ€CoVâ€2 infection: Unraveling the link in neurological disorders. European Journal of Immunology, 2022, 52, 1561-1571.	1.6	11
373	COVID-19 and risk of neurodegenerative disorders: A Mendelian randomization study. Translational Psychiatry, 2022, 12, .	2.4	42
374	Detailed stratified GWAS analysis for severe COVID-19 in four European populations. Human Molecular Genetics, 2022, 31, 3945-3966.	1.4	46
375	Multiple Receptors Involved in Invasion and Neuropathogenicity of Canine Distemper Virus: A Review. Viruses, 2022, 14, 1520.	1.5	6
376	COVID-19 and Parkinsonism: A Critical Appraisal. Biomolecules, 2022, 12, 970.	1.8	14
377	Glossopharyngeal Neuralgia Secondary to COVID-19: A Case Report. Cureus, 2022, , .	0.2	0
378	Multi-Data Integration Towards a Global Understanding of the Neurological Impact of Human Brain Severe Acute Respiratory Syndrome Coronavirus 2 Infection. Frontiers in Integrative Neuroscience, 0, 16, .	1.0	0
379	SARS-CoV-2 Brain Regional Detection, Histopathology, Gene Expression, and Immunomodulatory Changes in Decedents with COVID-19. Journal of Neuropathology and Experimental Neurology, 2022, 81, 666-695.	0.9	22
380	Perceived discrimination as a modifier of health, disease, and medicine: empirical data from the COVID-19 pandemic. Translational Psychiatry, 2022, 12, .	2.4	6
381	Tropism of SARS-CoV-2 for human cortical astrocytes. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	77
382	Long-Term Sequelae of COVID-19 in Experimental Mice. Molecular Neurobiology, 2022, 59, 5970-5986.	1.9	16
383	SARS-CoV-2 consequences for mental health: Neuroinflammatory pathways linking COVID-19 to anxiety and depression. World Journal of Psychiatry, 2022, 12, 874-883.	1.3	10
384	Interfacing brain organoids with precision medicine and machine learning. Cell Reports Physical Science, 2022, 3, 100974.	2.8	6
385	An Overview of Neurological and Psychiatric Complications During Post-COVID Period: A Narrative Review. Journal of Inflammation Research, 0, Volume 15, 4199-4215.	1.6	4
386	‹scp›SARSâ€CoV‹/scp›â€2 infection impacts carbon metabolism and depends on glutamine for replication in Syrian hamster astrocytes. Journal of Neurochemistry, 2022, 163, 113-132.	2.1	14

#	Article	IF	Citations
387	Transcriptional landscape of human neuroblastoma cells in response to SARS-CoV-2. BMC Neuroscience, 2022, 23, .	0.8	3
388	Post-COVID-19 Immune-Mediated Neurological Complications in Children: An Ambispective Study. Pediatric Neurology, 2022, 136, 20-27.	1.0	11
389	Therapeutic Approaches to the Neurologic Manifestations of COVID-19. Neurotherapeutics, 2022, 19, 1435-1466.	2.1	22
390	The relationship of laboratory parameters and mortality of patients followed in intensive care units with COVID-19. Journal of Health Sciences and Medicine, 2022, 5, 1015-1022.	0.0	0
391	(Epi)transcriptomics in cardiovascular and neurological complications of COVID-19. , 2022, 1, 100013.		4
392	Infectious diseases and cognition: do we have to worry?. Neurological Sciences, 2022, 43, 6215-6224.	0.9	8
393	Using 2D and 3D pluripotent stem cell models to study neurotropic viruses. Frontiers in Virology, 0, 2, .	0.7	3
394	Tunneling nanotubes provide a route for SARS-CoV-2 spreading. Science Advances, 2022, 8, .	4.7	55
395	Detection of SARS-CoV-2 in a free ranging leopard (Panthera pardus fusca) in India. European Journal of Wildlife Research, 2022, 68, .	0.7	13
396	Putative role of mitochondria in SARS-CoV-2 mediated brain dysfunctions: a prospect. Biotechnology and Genetic Engineering Reviews, 0, , 1-26.	2.4	8
397	Advances in construction and modeling of functional neural circuits in vitro. Neurochemical Research, 2022, 47, 2529-2544.	1.6	2
398	Neuro-Axonal Damage and Alteration of Bloodâ€“Brain Barrier Integrity in COVID-19 Patients. Cells, 2022, 11, 2480.	1.8	15
400	COVID-19 and its implications on the clinico-radiological course of multiple sclerosis: A caseâ€“control study. Medicina ClÃnica, 2023, 160, 187-192.	0.3	3
401	Evaluation of Cerebrovascular Reactivity and Vessel Wall Imaging in Patients With Prior COVID-19: A Prospective Case-Control MRI Study. American Journal of Roentgenology, 2023, 220, 257-264.	1.0	7
402	Elevation of neural injury markers in patients with neurologic sequelae after hospitalization for SARS-CoV-2 infection. IScience, 2022, 25, 104833.	1.9	6
403	Astrocytes and the Psychiatric Sequelae of COVID-19: What We Learned from the Pandemic. Neurochemical Research, 2023, 48, 1015-1025.	1.6	8
404	Two Years into the COVID-19 Pandemic: Lessons Learned. ACS Infectious Diseases, 2022, 8, 1758-1814.	1.8	47
405	Understanding COVID-19-associated coagulopathy. Nature Reviews Immunology, 2022, 22, 639-649.	10.6	137

#	Article	IF	Citations
406	Assessing and improving the validity of COVID-19 autopsy studies - A multicentre approach to establish essential standards for immunohistochemical and ultrastructural analyses. EBioMedicine, 2022, 83, 104193.	2.7	23
407	Neurological Complications in Children Hospitalized With Seizures and Respiratory Infections: A Comparison Between SARS-CoV-2 and Other Respiratory Infections. Pediatric Neurology, 2022, 135, 52-55.	1.0	5
408	Neuroinflammation represents a common theme amongst genetic and environmental risk factors for Alzheimer and Parkinson diseases. Journal of Neuroinflammation, 2022, 19, .	3.1	32
410	Neurologic complications of coronavirus and other respiratory viral infections. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2022, , 331-358.	1.0	14
411	COVID-19: The cynosure of rise of Parkinson's disease. International Review of Neurobiology, 2022, , 251-262.	0.9	0
412	Psychological Impacts of the COVID-19 Pandemic. , 2022, , 205-240.		0
413	Neurological Complications of COVID-19. , 2022, , 351-379.		0
414	Revealing the mystery of persistent smell loss in long COVID patients. International Journal of Biological Sciences, 2022, 18, 4795-4808.	2.6	13
415	The Disease-Modifying Role of Taurine and Its Therapeutic Potential in Coronavirus Disease 2019 (COVID-19). Advances in Experimental Medicine and Biology, 2022, , 3-21.	0.8	4
416	Anticipated Long-Term Neurobehavioral Outcomes Following COVID-19. , 2022, , 615-638.		0
417	Are hemoglobin-derived peptides involved in the neuropsychiatric symptoms caused by SARS-CoV-2 infection?. Revista Brasileira De Psiquiatria, 2022, , .	0.9	0
418	Warmer Ambient Air Temperatures Reduce Nasal Turbinate and Brain Infection, But Increase Lung Inflammation in the K18-hACE2 Mouse Model of COVID-19. SSRN Electronic Journal, 0, , .	0.4	1
419	Impact of SARS-CoV-2 infection during pregnancy on postnatal brain development: The potential role of glial cells. Biocell, 2022, 46, 2517-2523.	0.4	1
420	Exploring the Paradox of COVID-19 in Neurological Complications with Emphasis on Parkinsonâ€™s and Alzheimerâ€™s Disease. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-16.	1.9	24
422	Prevalence and Severity of Gastrointestinal Symptoms in COVID-19 Patients in Casablanca: A Retrospective Cohort Study. Cureus, 2022, , .	0.2	1
423	Neurological Consequences, Mental Health, Physical Care, and Appropriate Nutrition in Long-COVID-19. Cellular and Molecular Neurobiology, 2023, 43, 1685-1695.	1.7	10
424	Neurological Complications of SARS-CoV-2 Infection and COVID-19 Vaccines: From Molecular Mechanisms to Clinical Manifestations. Current Drug Targets, 2022, 23, .	1.0	1
426	SARS-CoV-2 Invasion and Pathological Links to Prion Disease. Biomolecules, 2022, 12, 1253.	1.8	7

#	Article	IF	Citations
427	Cytokine Storm and Neuropathological Alterations in Patients with Neurological Manifestations of COVID-19. Current Alzheimer Research, 2022, 19, 641-657.	0.7	11
428	COVID-19 and cognitive impairment: neuroinvasive and bloodâ€'brain barrier dysfunction. Journal of Neuroinflammation, 2022, 19, .	3.1	36
429	Postcovid Syndrome â€“ The New Reality. Neuroscience and Behavioral Physiology, 2022, 52, 619-624.	0.2	2
430	SARS-CoV-2 infection drives an inflammatory response in human adipose tissue through infection of adipocytes and macrophages. Science Translational Medicine, 2022, 14, .	5.8	51
431	Organoids as a novel tool in modelling infectious diseases. Seminars in Cell and Developmental Biology, 2023, 144, 87-96.	2.3	2
432	Recent Advances in Antiviral Activities of Triterpenoids. Pharmaceuticals, 2022, 15, 1169.	1.7	11
433	Prospects of animal models and their application in studies on adaptive immunity to SARS-CoV-2. Frontiers in Immunology, 0, 13, .	2.2	4
434	Lowered oxygen saturation and increased body temperature in acute COVID-19 largely predict chronic fatigue syndrome and affective symptoms due to Long COVID: A precision nomothetic approach. Acta Neuropsychiatrica, 2023, 35, 76-87.	1.0	17
435	The COVID-19 pandemic and Alzheimerâ€™s disease: mutual risks and mechanisms. Translational Neurodegeneration, 2022, 11, .	3.6	25
436	COVID-19 neuropsychiatric repercussions: Current evidence on the subject. World Journal of Methodology, 2022, 12, 365-380.	1.1	1
437	SARS-CoV-2, long COVID, prion disease and neurodegeneration. Frontiers in Neuroscience, 0, 16, .	1.4	6
438	SARS-CoV-2 promotes microglial synapse elimination in human brain organoids. Molecular Psychiatry, 2022, 27, 3939-3950.	4.1	41
439	A single intranasal administration of AdCOVID protects against SARS-CoV-2 infection in the upper and lower respiratory tracts. Human Vaccines and Immunotherapeutics, 2022, 18, .	1.4	9
440	The neurobiology of long COVID. Neuron, 2022, 110, 3484-3496.	3.8	137
441	Alzheimerâ€™s disease risk after COVID-19: a view from the perspective of the infectious hypothesis of neurodegeneration. Neural Regeneration Research, 2023, 18, 1404.	1.6	5
442	SARSâ€CoVâ€2 cellular tropism and direct multiorgan failure in COVIDâ€19 patients: Bioinformatic predictions, experimental observations, and open questions. Cell Biology International, 2023, 47, 308-326.	1.4	7
443	COVID-19 Molecular Pathophysiology: Acetylation of Repurposing Drugs. International Journal of Molecular Sciences, 2022, 23, 13260.	1.8	8
444	Coagulation Profile of COVID-19 Patients. Life, 2022, 12, 1658.	1.1	3

#	Article	IF	Citations
445	Comparison of the pathogenesis of SARS-CoV-2 infection in K18-hACE2 mouse and Syrian golden hamster models. DMM Disease Models and Mechanisms, 2022, 15, .	1.2	14
446	Neuroâ€“Immune Interactions in Severe COVID-19 Infection. Pathogens, 2022, 11, 1256.	1.2	1
447	Neuropilin-1 Mediates SARS-CoV-2 Infection of Astrocytes in Brain Organoids, Inducing Inflammation Leading to Dysfunction and Death of Neurons. MBio, 2022, 13, .	1.8	33
448	EEG Microstate Analysis and the EEG Inverse Problem Solution as a Tool for Diagnosing Cognitive Dysfunctions in Individuals Who Have Had a Mild Form of COVID-19. Human Physiology, 2022, 48, 587-597.	0.1	3
449	Type I IFN Signaling Protects Mice from Lethal SARS-CoV-2 Neuroinvasion. ImmunoHorizons, 2022, 6, 716-721.	0.8	3
450	Reconstructed Genome-Scale Metabolic Model Characterizes Adaptive Metabolic Flux Changes in Peripheral Blood Mononuclear Cells in Severe COVID-19 Patients. International Journal of Molecular Sciences, 2022, 23, 12400.	1.8	0
451	Discovering Common Pathogenic Mechanisms of COVID-19 and Parkinson Disease: An Integrated Bioinformatics Analysis. Journal of Molecular Neuroscience, 2022, 72, 2326-2337.	1.1	4
452	<scp>COVID</scp>â€19 and neurodegeneration: The mitochondrial connection. Aging Cell, 2022, 21, .	3.0	7
453	COVID-19 as a Risk Factor for Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2023, 91, 1-23.	1.2	10
455	SARS-CoV-2 infects human brain organoids causing cell death and loss of synapses that can be rescued by treatment with Sofosbuvir. PLoS Biology, 2022, 20, e3001845.	2.6	27
456	<scp>COVID</scp>â€19 and the risk of Alzheimer's disease, amyotrophic lateral sclerosis, and multiple sclerosis. Annals of Clinical and Translational Neurology, 2022, 9, 1953-1961.	1.7	8
457	SARS-CoV-2 drives NLRP3 inflammasome activation in human microglia through spike protein. Molecular Psychiatry, 2023, 28, 2878-2893.	4.1	47
458	Use of cerebral organoids to model environmental and gene x environment interactions in the developing fetus and neurodegenerative disorders. , 2023, , 173-200.		0
459	Mouse models of lung-specific SARS-CoV-2 infection with moderate pathological traits. Frontiers in Immunology, 0, 13, .	2.2	3
460	Co-ultramicronized palmitoylethanolamide/luteolin normalizes GABAB-ergic activity and cortical plasticity in long COVID-19 syndrome. Clinical Neurophysiology, 2023, 145, 81-88.	0.7	10
461	Comprehensive profiling of the human viral exposome in households containing an atâ€risk child with mitochondrial disease during the 2020â€“2021 COVIDâ€19 pandemic. Clinical and Translational Medicine, 2022, 12, .	1.7	0
462	The Increased Amyloidogenicity of Spike RBD and pH-Dependent Binding to ACE2 May Contribute to the Transmissibility and Pathogenic Properties of SARS-CoV-2 Omicron as Suggested by In Silico Study. International Journal of Molecular Sciences, 2022, 23, 13502.	1.8	6
463	Anatomical barriers against SARS-CoV-2 neuroinvasion at vulnerable interfaces visualized in deceased COVID-19 patients. Neuron, 2022, 110, 3919-3935.e6.	3.8	25

#	Article	IF	Citations
464	A review of the potential neurological adverse events of COVID-19 vaccines. Acta Neurologica Belgica, 2023, 123, 9-44.	0.5	6
465	Warmer ambient air temperatures reduce nasal turbinate and brain infection, but increase lung inflammation in the K18-hACE2 mouse model of COVID-19. Science of the Total Environment, 2022, , 160163.	3.9	6
466	Role of Necroptosis in Central Nervous System Diseases. ACS Chemical Neuroscience, 2022, 13, 3213-3229.	1.7	5
468	ACE2: A Dilemma in Regulating SARS-CoV-2 Infection and its Metabolic Complications. BIO Integration, 2023, 4, .	0.9	0
469	Adaptor protein MyD88 confers the susceptibility to stress via amplifying immune danger signals. Brain, Behavior, and Immunity, 2023, 108, 204-220.	2.0	3
470	Neurological manifestations of COVID-19: a retrospective observational study based on 1060 patients with a narrative review. Acta Radiologica, 2023, 64, 1950-1957.	0.5	0
471	Effects of COVID-19 on children with autism. World Journal of Virology, 0, 11, 411-425.	1.3	7
472	Neurological disorders of COVID-19: insights to applications of natural products from plants and microorganisms. Archives of Pharmacal Research, 2022, 45, 909-937.	2.7	2
473	Insight into the mechanisms of olfactory dysfunction by COVID-19. Auris Nasus Larynx, 2022, , .	0.5	0
474	Repeated ethanol exposure and withdrawal alters angiotensinâ€converting enzyme 2 expression in discrete brain regions: Implications for <scp>SARSâ€CoV</scp>â€2 neuroinvasion. Alcoholism: Clinical and Experimental Research, 2023, 47, 219-239.	1.4	7
475	Neurotropism and blood-brain barrier involvement in COVID-19. Frontiers in Drug Delivery, 0, 2, .	0.4	2
476	Prevalence of depression, anxiety, stress and its relationship with knowledge about COVID-19 in medical and laboratory medicine students of Umm-Al-Qura University: a cross-sectional survey. Egyptian Journal of Neurology, Psychiatry and Neurosurgery, 2022, 58, .	0.4	2
477	A Comprehensive Update of Cerebral Organoids between Applications and Challenges. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-10.	1.9	2
479	Amyloid Protein Cross-Seeding Provides a New Perspective on Multiple Diseases In Vivo. Biomacromolecules, 2023, 24, 1-18.	2.6	4
481	Neurological complications of COVID-19. QJM - Monthly Journal of the Association of Physicians, 2023, 116, 161-180.	0.2	8
482	Neurotropism as a Mechanism of the Damaging Action of Coronavirus. Biology Bulletin Reviews, 2022, 12, 667-678.	0.3	1
483	Fluoxetine plus lithium for treatment of mental health impairment in Long Covid. Discover Mental Health, 2023, 3, .	1.0	1
484	Distinct SARS-CoV-2 RNA fragments activate Toll-like receptors 7 and 8 and induce cytokine release from human macrophages and microglia. Frontiers in Immunology, 0, 13, .	2.2	5

#	Article	IF	Citations
485	ACE2 PET to reveal the dynamic patterns of ACE2 recovery in an infection model with pseudocorona virus. Journal of Medical Virology, 2023, 95, .	2.5	3
486	The different trends in the burden of neurological and mental disorders following dietary transition in China, the USA, and the world: An extension analysis for the Global Burden of Disease Study 2019. Frontiers in Nutrition, 0, 9, .	1.6	2
487	SARS-CoV2 entry factors are expressed in primary human glioblastoma and recapitulated in cerebral organoid models. Journal of Neuro-Oncology, 0, , .	1.4	0
488	Neurological involvement in hospitalized children with SARS-CoV-2 infection: a multinational study. Canadian Journal of Neurological Sciences, 2024, 51, 40-49.	0.3	2
489	Full protection from SARS-CoV-2 brain infection and damage in susceptible transgenic mice conferred by MVA-CoV2-S vaccine candidate. Nature Neuroscience, 2023, 26, 226-238.	7.1	14
490	Dysfunctional mitochondrial processes contribute to energy perturbations in the brain and neuropsychiatric symptoms. Frontiers in Pharmacology, 0, 13, .	1.6	3
491	Haemorrhage of human foetal cortex associated with SARS-CoV-2 infection. Brain, 2023, 146, 1175-1185.	3.7	7
492	Association of cerebrospinal fluid brain-binding autoantibodies with cognitive impairment in post-COVID-19 syndrome. Brain, Behavior, and Immunity, 2023, 109, 139-143.	2.0	29
493	Construction of a pancreatic cancer nerve invasion system using brain and pancreatic cancer organoids. Journal of Tissue Engineering, 2023, 14, 204173142211471.	2.3	1
494	Bioinformatics and systems biology approaches to identify the effects of COVID-19 on neurodegenerative diseases: A review. Medicine (United States), 2022, 101, e32100.	0.4	0
495	Suppression of porcine hemagglutinating encephalomyelitis virus replication by resveratrol. Virology Journal, 2022, 19, .	1.4	0
496	Mouse Adapted SARS-CoV-2 (MA10) Viral Infection Induces Neuroinflammation in Standard Laboratory Mice. Viruses, 2023, 15, 114.	1.5	7
497	Links between COVID-19 and Parkinsonâ€™s disease/Alzheimerâ€™s disease: reciprocal impacts, medical care strategies and underlying mechanisms. Translational Neurodegeneration, 2023, 12, .	3.6	15
498	Utilizing the codon adaptation index to evaluate the susceptibility to HIV-1 and SARS-CoV-2 related coronaviruses in possible target cells in humans. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	4
499	Brain positron emission tomography (PET) and cognitive abnormalities one year after COVID-19. Journal of Neurology, 2023, 270, 1823-1834.	1.8	15
500	SARS-CoV-2 Possible Etiology of Cerebral Venous Thrombosis in a Teenager: Case Report and Review of Literature. Viruses, 2023, 15, 405.	1.5	4
501	Longitudinal changes in global structural brain connectivity and cognitive performance in former hospitalized COVID-19 survivors: an exploratory study. Experimental Brain Research, 2023, 241, 727-741.	0.7	8
502	Mechanisms, Effects, and Management of Neurological Complications of Post-Acute Sequelae of COVID-19 (NC-PASC). Biomedicines, 2023, 11, 377.	1.4	4

#	Article	IF	Citations
503	Cortical-blood vessel assembloids exhibit Alzheimerâ€™s disease phenotypes by activating glia after SARS-CoV-2 infection. Cell Death Discovery, 2023, 9, .	2.0	9
504	Neuroinfectious Disease Experts Heed Anthony Fauci's Farewell Message. Neurology Today: an Official Publication of the American Academy of Neurology, 2023, 23, 1,21-22.	0.0	0
505	SARS-CoV-2 Spike protein induces TLR4-mediated long-term cognitive dysfunction recapitulating post-COVID-19 syndrome in mice. Cell Reports, 2023, 42, 112189.	2.9	33
506	SARS-CoV-2 Infection of Human Neurons Is TMPRSS2 Independent, Requires Endosomal Cell Entry, and Can Be Blocked by Inhibitors of Host Phosphoinositol-5 Kinase. Journal of Virology, 2023, 97, .	1.5	9
507	Aged brain and neuroimmune responses to COVID-19: post-acute sequelae and modulatory effects of behavioral and nutritional interventions. Immunity and Ageing, 2023, 20, .	1.8	3
508	The Two-Way Route between Delirium Disorder and Dementia: Insights from COVID-19. Neurodegenerative Diseases, 2022, 22, 91-103.	0.8	1
509	Human microglial models to study hostâ€“virus interactions. Experimental Neurology, 2023, 363, 114375.	2.0	4
510	Stress levels, psychological symptoms, and C-reactive protein levels in COVID-19: A cross-sectional study. Journal of Affective Disorders, 2023, 330, 216-226.	2.0	3
511	Blood-brain barrier penetration of non-replicating SARS-CoV-2 and S1 variants of concern induce neuroinflammation which is accentuated in a mouse model of Alzheimerâ€™s disease. Brain, Behavior, and Immunity, 2023, 109, 251-268.	2.0	9
512	Transient Changes in the Plasma of Astrocytic and Neuronal Injury Biomarkers in COVID-19 Patients without Neurological Syndromes. International Journal of Molecular Sciences, 2023, 24, 2715.	1.8	8
513	Mouse-Adapted SARS-CoV-2 MA10 Strain Displays Differential Pulmonary Tropism and Accelerated Viral Replication, Neurodissemination, and Pulmonary Host Responses in K18-hACE2 Mice. MSphere, 2023, 8, .	1.3	3
514	Appearance of extrapyramidal symptoms in adolescent psychiatry patients during COVIDâ€19 infection. Journal of Medical Virology, 2023, 95, .	2.5	0
515	Potential molecular mechanisms of chronic fatigue in long haul COVID and other viral diseases. Infectious Agents and Cancer, 2023, 18, .	1.2	13
516	Induced Pluripotent Stem Cell-Derived Organoids: Their Implication in COVID-19 Modeling. International Journal of Molecular Sciences, 2023, 24, 3459.	1.8	1
518	COVID-19 and Its Impact on Onset and Progression of Parkinsonâ€™s and Cognitive Dysfunction. , 0, , .		0
519	Sleep and Circadian Rhythm in Relation to COVID-19 and COVID-19 Vaccinationâ€”National Sleep Survey of South Korea 2022. Journal of Clinical Medicine, 2023, 12, 1518.	1.0	2
520	Exploring the Role of ACE2 as a Connecting Link between COVID-19 and Parkinsonâ€™s Disease. Life, 2023, 13, 536.	1.1	4
521	Human brain organoids to explore SARSâ€CoVâ€2â€induced effects on the central nervous system. Reviews in Medical Virology, 2023, 33, .	3.9	7

#	Article	IF	Citations
522	Role of SARS-CoV-2 Spike-Protein-Induced Activation of Microglia and Mast Cells in the Pathogenesis of Neuro-COVID. Cells, 2023, 12, 688.	1.8	21
523	COVID-19 and Multiple Sclerosis: A Complex Relationship Possibly Aggravated by Low Vitamin D Levels. Cells, 2023, 12, 684.	1.8	3
524	Delta (B1.617.2) variant of SARS-CoV-2 induces severe neurotropic patterns in K18-hACE2 mice. Scientific Reports, 2023, 13, .	1.6	6
525	COVID-19 and its implications on the clinico-radiological course of multiple sclerosis: A caseâ€“control study. Medicina ClÃnica (English Edition), 2023, 160, 187-192.	0.1	0
526	Pathogenesis Underlying Neurological Manifestations of Long COVID Syndrome and Potential Therapeutics. Cells, 2023, 12, 816.	1.8	48
527	Alteration of the blood-brain barrier by COVID-19 and its implication in the permeation of drugs into the brain. Frontiers in Cellular Neuroscience, 0, 17, .	1.8	10
528	Multi-effective characteristics and advantages of acupuncture in COVID-19 treatment. , 2023, 3, 83-95.		2
529	Dopamine Transmission Imbalance in Neuroinflammation: Perspectives on Long-Term COVID-19. International Journal of Molecular Sciences, 2023, 24, 5618.	1.8	3
530	Proteomic and phosphoproteomic characteristics of the cortex, hippocampus, thalamus, lung, and kidney in COVID-19-infected female K18-hACE2 mice. EBioMedicine, 2023, 90, 104518.	2.7	1
531	The role of the bloodâ€“brain barrier during neurological disease and infection. Biochemical Society Transactions, 2023, 51, 613-626.	1.6	11
532	SARS-CoV-2 Omicron (B.1.1.529) shows minimal neurotropism in a double-humanized mouse model. Antiviral Research, 2023, 212, 105580.	1.9	2
534	Revolutionizing Disease Modeling: The Emergence of Organoids in Cellular Systems. Cells, 2023, 12, 930.	1.8	10
535	Overview of the potential use of fluvoxamine for COVID-19 and long COVID. Discover Mental Health, 2023, 3, .	1.0	6
536	Organoids to Remodel SARS-CoV-2 Research: Updates, Limitations and Perspectives. , 2023, .		0
537	The impact of COVID-19 on human body. , 0, 36, 1186-1192.		0
538	Pathogenic mechanisms of post-acute sequelae of SARS-CoV-2 infection (PASC). ELife, 0, 12, .	2.8	55
540	A multi-organoid platform identifies CIART as a key factor for SARS-CoV-2 infection. Nature Cell Biology, 2023, 25, 381-389.	4.6	9
542	Alterations of adipokines, pancreatic hormones and incretins in acute and convalescent COVID-19 children. BMC Pediatrics, 2023, 23, .	0.7	0

#	Article	IF	Citations
543	Direct and indirect impact of SARS-CoV-2 on the brain. Human Genetics, 2023, 142, 1317-1326.	1.8	5
544	Peripheral nervous system involvement associated with COVID-19. A systematic review of literature. PLoS ONE, 2023, 18, e0283827.	1.1	3
545	What Can We Still Learn from Brain Autopsies in COVID-19?. Seminars in Neurology, 2023, 43, 195-204.	0.5	1
546	Human brain microphysiological systems in the study of neuroinfectious disorders. Experimental Neurology, 2023, 365, 114409.	2.0	2
547	Prevalence and characteristics of long COVID in elderly patients: An observational cohort study of over 2 million adults in the US. PLoS Medicine, 2023, 20, e1004194.	3.9	13
548	SARSâ€CoVâ€2 ORF3a expression in brain disrupts the autophagyâ€“lysosomal pathway, impairs sphingolipid homeostasis, and drives neuropathogenesis. FASEB Journal, 2023, 37, .	0.2	7
549	Chronic and delayed neurological manifestations of persistent infections. Current Opinion in Neurology, 2023, 36, 198-206.	1.8	2
550	Long-segment myelitis after traumatic paraplegia in COVID-19 positive patient: An unusual case report. Journal of Bone and Joint Diseases, 2023, 38, 91.	0.0	0
551	Antifungal Activity of Bioactive Compounds Produced by the Endophytic Fungus Paecilomyces sp. (JN227071.1) against Rhizoctonia solani. International Journal of Biomaterials, 2023, 2023, 1-8.	1.1	6
553	iPSC-derived three-dimensional brain organoid models and neurotropic viral infections. Journal of NeuroVirology, 2023, 29, 121-134.	1.0	5
563	Pathophysiology: How COVID-19 Impacts the Pancreas and Peripheral Insulin Resistance. Contemporary Endocrinology, 2023, , 19-32.	0.3	0
569	Long-term effects of SARS-CoV-2 infection on human brain and memory. Cell Death Discovery, 2023, 9, .	2.0	1
577	Human 3D brain organoids: steering the demolecularization of brain and neurological diseases. Cell Death Discovery, 2023, 9, .	2.0	5
579	Detrimental effects of COVID-19 in the brain and therapeutic options for long COVID: The role of Epsteinâ€“Barr virus and the gutâ€“brain axis. Molecular Psychiatry, 0, , .	4.1	10
586	The Role of FinTech and AI in Agriculture, Towards Eradicating Hunger and Ensuring Food Security. Sustainable Development Goals Series, 2023, , 119-143.	0.2	0
598	SARS-CoV-2 reservoir in post-acute sequelae of COVID-19 (PASC). Nature Immunology, 2023, 24, 1616-1627.	7.0	32
599	Animal models to study the neurological manifestations of the post-COVID-19 condition. Lab Animal, 2023, 52, 202-210.	0.2	2
602	Brain Pathology in COVID-19: Clinical Manifestations and Potential Mechanisms. Neuroscience Bulletin, 2024, 40, 383-400.	1.5	0

#	Article	IF	Citations
622	Mean-Field Model of Tripartite Synapse with Infected Glial Cells. , 2023, , .		0
633	Non-coding RNAs expression in SARS-CoV-2 infection: pathogenesis, clinical significance, and therapeutic targets. Signal Transduction and Targeted Therapy, 2023, 8, .	7.1	0
644	Interaktion von kÃ¶rperlichen VerÃnderungen und psychischen StÃ¶rungen bei COVID-19. Ein Scoping Review. Neuropsychiatrie, 2024, 38, 1-23.	1.3	0
659	Structural Connectomes of COVID-Survivors Show Disruption in Global Integration and Small-Worldness. , 2023, , .		0
671	Impact of SARS-CoV-2/COVID-19 on HIV-1-associated neurocognitive disorders. , 2024, , 355-378.		0