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Angiotensin-Converting Enzyme 2: SARS-CoV-2 Receptor and Regulator of the Renin-Angiotensin System: Celebrating the 20th Anniversary of the Discovery of ACE2

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1291	From SARS to SARS-CoV-2, insights on structure, pathogenicity and immunity aspects of pandemic human coronaviruses. 2020 , 85, 104502		56
1290	Comparative docking studies to understand the binding affinity of nicotine with soluble ACE2 (sACE2)-SARS-CoV-2 complex over sACE2. 2020 , 7, 1366-1372		5
1289	ACE2/ADAM17/TMPRSS2 Interplay May Be the Main Risk Factor for COVID-19. 2020 , 11, 576745		98
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1287	Hypotheses about sub-optimal hydration in the weeks before coronavirus disease (COVID-19) as a risk factor for dying from COVID-19. 2020 , 144, 110237		12
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1285	Exploring the role of triazole functionalized heteroatom co-doped carbon quantum dots against human coronaviruses. 2020 , 35, 101001		22
1284	Convalescent plasma therapy: a promising coronavirus disease 2019 treatment strategy. 2020 , 10, 200174		10
1283	Treatment with angiotensin II in COVID-19 patients may not be beneficial. 2020 , 24, 546		1
1282	Asymptomatic deep vein thrombosis in critically ill COVID-19 patients despite therapeutic levels of anti-Xa activity. 2020 , 196, 268-271		9
1281	Ultrastructure of cell trafficking pathways and coronavirus: how to recognise the wolf amongst the sheep. 2020 , 252, 346-357		6
1280	Coronavirus and Cardiovascular Disease, Myocardial Injury, and Arrhythmia: JACC Focus Seminar. 2020 , 76, 2011-2023		74
1279	Obesity, Diabetes and COVID-19: An Infectious Disease Spreading From the East Collides With the Consequences of an Unhealthy Western Lifestyle. 2020 , 11, 582870		22
1278	SARS-CoV-2 receptor networks in diabetic and COVID-19-associated kidney disease. 2020 , 98, 1502-1518		33
1277	Role of angiotensin-converting enzyme 2 and pericytes in cardiac complications of COVID-19 infection. 2020 , 319, H1059-H1068		13

1276	Peptides: Prospects for Use in the Treatment of COVID-19. 2020 , 25,	13
1275	Angiotensin-converting enzyme inhibitor/angiotensin II receptor blocker treatment and haemodynamic factors are associated with increased cardiac mRNA expression of angiotensin-converting enzyme 2 in patients with cardiovascular disease. 2020 , 22, 2248-2257	8
1274	COVID-19 and multiorgan failure: A narrative review on potential mechanisms. 2020 , 51, 613-628	141
1273	Do nutrients and other bioactive molecules from foods have anything to say in the treatment against COVID-19?. 2020 , 191, 110053	31
1272	Utilizing drug repurposing against COVID-19 - Efficacy, limitations, and challenges. 2020 , 259, 118275	44
1271	Potential role of ACE2-related microRNAs in COVID-19-associated nephropathy. 2020 , 5, 153-166	30
1270	Do free radical NETWORK and oxidative stress disparities in African Americans enhance their vulnerability to SARS-CoV-2 infection and COVID-19 severity?. 2020 , 37, 101721	11
1269	Ophthalmic and Neuro-ophthalmic Manifestations of Coronavirus Disease 2019 (COVID-19). 2020 , 28, 1285-1289	31
1268	Insult to Injury-Potential Contribution of Coronavirus Disease-19 to Neuroinflammation and the Development of HIV-Associated Neurocognitive Disorders. 2021 , 37, 601-609	
1267	COVID-19 and andrology: Recommendations of the French-speaking society of andrology (Soci� d'Andrologie de langue Fran�aise SALF). 2020 , 30, 10	11
1266	Withaferin A: a potential therapeutic agent against COVID-19 infection. 2020 , 13, 79	24
1265	Drugs targeting various stages of the SARS-CoV-2 life cycle: Exploring promising drugs for the treatment of Covid-19. 2020 , 74, 109721	63
1264	Coagulation Abnormalities and Thrombosis in Patients Infected With SARS-CoV-2 and Other Pandemic Viruses. 2020 , 40, 2033-2044	78
1263	SARS-CoV-2 Infections and ACE2: Clinical Outcomes Linked With Increased Morbidity and Mortality in Individuals With Diabetes. 2020 , 69, 1875-1886	35
1262	A molecular docking study revealed that synthetic peptides induced conformational changes in the structure of SARS-CoV-2 spike glycoprotein, disrupting the interaction with human ACE2 receptor. 2020 , 164, 66-76	25
1261	SARS-CoV-2 and the cardiovascular system. 2020 , 510, 311-316	4
1260	Obesity and COVID-19: A Virchow's Triad for the 21st Century. 2020 , 120, 1590-1593	10
1259	MicroRNA-122 aggravates angiotensin II-mediated apoptosis and autophagy imbalance in rat aortic adventitial fibroblasts via the modulation of SIRT6-elabela-ACE2 signaling. 2020 , 883, 173374	25

1258	An updated insight into the molecular pathogenesis, secondary complications and potential therapeutics of COVID-19 pandemic. 2020 , 257, 118105	30
1257	Understanding Covid and the associated post-infectious hyper-inflammatory state (PIMS-TS) in children. 2020 , 144, 110029	3
1256	Insights in Chloroquine Action: Perspectives and Implications in Malaria and COVID-19. 2020 , 97, 872-881	6
1255	ACE2, the Receptor that Enables Infection by SARS-CoV-2: Biochemistry, Structure, Allostery and Evaluation of the Potential Development of ACE2 Modulators. 2020 , 15, 1682-1690	17
1254	Vascular Manifestations of COVID-19 - Thromboembolism and Microvascular Dysfunction. 2020 , 7, 598400	27
1253	Cardiovascular Disease and SARS-CoV-2: the Role of Host Immune Response Versus Direct Viral Injury. 2020 , 21,	2
1252	Serological follow-up of SARS-CoV-2 asymptomatic subjects. 2020 , 10, 20048	39
1251	The Pivotal Role of Adipocyte-Na K peptide in Reversing Systemic Inflammation in Obesity and COVID-19 in the Development of Heart Failure. 2020 , 9,	3
1250	Underlying Kidney Diseases and Complications for COVID-19: A Review. 2020 , 7, 600144	4
1249	Impact of Gastrointestinal Symptoms in COVID-19: a Molecular Approach. 2020 , 2, 1-12	10
1248	Lifestyle factors in the prevention of COVID-19. 2020 , 4, 146-152	30
1247	Evidence for treatment with estradiol for women with SARS-CoV-2 infection. 2020 , 18, 369	53
1246	ACE2 Interaction Networks in COVID-19: A Physiological Framework for Prediction of Outcome in Patients with Cardiovascular Risk Factors. 2020 , 9,	30
1245	Dual and mutual interaction between microbiota and viral infections: a possible treat for COVID-19. 2020 , 19, 217	11
1244	Association Between Vitamin D and Novel SARS-CoV-2 Respiratory Dysfunction - A Scoping Review of Current Evidence and Its Implication for COVID-19 Pandemic. 2020 , 11, 564387	10
1243	Immunogenetic Association Underlying Severe COVID-19. 2020 , 8,	23
1242	Increased plasma ACE2 concentration does not mean increased risk of SARS-CoV-2 infection and increased fatality rate of COVID-19. 2020 , 10, 2010-2014	6
1241	Collaborating network in managing post the Mount Merapi's disruption, Indonesia. 2020 , 12, 927	1

1240	Lethality of SARS-CoV-2 infection in K18 human angiotensin-converting enzyme 2 transgenic mice. 2020 , 11, 6122	141
1239	Clinically Approved Antiviral Drug in an Orally Administrable Nanoparticle for COVID-19. 2020 , 3, 1371-1380	14
1238	Modeling the Molecular Impact of SARS-CoV-2 Infection on the Renin-Angiotensin System. 2020 , 12,	8
1237	Determinants of soluble angiotensin-converting enzyme 2 concentrations in adult patients with complex congenital heart disease. 2020 , 1	3
1236	Application of an Activity-Based Probe to Determine Proteolytic Activity of Cell Surface Cathepsin G by Mass Cytometry Data Acquisition. 2020 , 5, 28233-28238	2
1235	Complications and Pathophysiology of COVID-19 in the Nervous System. 2020 , 11, 573421	14
1234	SARS-CoV-2 and interferon blockade. 2020 , 26, 103	0
1233	Use of Cannabinoids to Treat Acute Respiratory Distress Syndrome and Cytokine Storm Associated with Coronavirus Disease-2019. 2020 , 11, 589438	9
1232	SARS-CoV-2 cell receptor gene ACE2 -mediated immunomodulation in breast cancer subtypes. 2020 , 24, 100844	0
1231	Necessity of brain imaging in COVID-19 infected patients presenting with acute neurological deficits. 2020 , 22, 100883	3
1230	New putative animal reservoirs of SARS-CoV-2 in Italian fauna: A bioinformatic approach. 2020 , 6, e05430	4
1229	Cell Clearing Systems as Targets of Polyphenols in Viral Infections: Potential Implications for COVID-19 Pathogenesis. 2020 , 9,	18
1228	Obesity and Mortality Among Patients Diagnosed With COVID-19: Results From an Integrated Health Care Organization. 2020 , 173, 773-781	279
1227	COVID-19 and cardiovascular disease. 2020 , 32, 263-266	1
1226	Can phytotherapy with polyphenols serve as a powerful approach for the prevention and therapy tool of novel coronavirus disease 2019 (COVID-19)?. 2020 , 319, E689-E708	22
1225	Should estrogen be used in the co-treatment of COVID-19 patients? What is the rationale?. 2020 , 140, 80	2
1224	Angiotensin-Converting Enzyme Inhibition: Beyond Blood Pressure Control-The Role of Zofenopril. 2020 , 37, 4068-4085	2
1223	A gendered magnifying glass on COVID-19. 2020 , 18, 14	14

1222	SARS-CoV-2 Infection and Lung Cancer: Potential Therapeutic Modalities. 2020 , 12,	7
1221	Care for Patients with Stroke During the COVID-19 Pandemic: Physical Therapy and Rehabilitation Suggestions for Preventing Secondary Stroke. 2020 , 29, 105182	14
1220	Multisystem inflammatory syndrome in children: Is there a linkage to Kawasaki disease?. 2020 , 30, 389-396	42
1219	Sex-related differences in COVID-19 lethality. 2020 , 177, 4375-4385	36
1218	Pharmacotherapy in COVID-19 patients: a review of ACE2-raising drugs and their clinical safety. 2020 , 28, 683-699	17
1217	Potential Anti-COVID-19 Therapeutics that Block the Early Stage of the Viral Life Cycle: Structures, Mechanisms, and Clinical Trials. 2020 , 21,	27
1216	MDM2-Mediated Ubiquitination of Angiotensin-Converting Enzyme 2 Contributes to the Development of Pulmonary Arterial Hypertension. 2020 , 142, 1190-1204	31
1215	Pathogenesis and Treatment Strategies of COVID-19-Related Hypercoagulant and Thrombotic Complications. 2020 , 26, 1076029620944497	23
1214	How Patients With Chronic Liver Diseases Succeed to Deal With COVID-19?. 2020 , 7, 398	9
1213	Nox2 activation in Covid-19. 2020 , 36, 101655	65
1212	Differences and similarities between SARS-CoV and SARS-CoV-2: spike receptor-binding domain recognition and host cell infection with support of cellular serine proteases. 2020 , 48, 665-669	35
1211	Hypertension and related diseases in the era of COVID-19: a report from the Japanese Society of Hypertension Task Force on COVID-19. 2020 , 43, 1028-1046	65
1210	Association between ABO blood groups and COVID-19 infection, severity and demise: A systematic review and meta-analysis. 2020 , 84, 104485	94
1209	Endothelial dysfunction in COVID-19: a position paper of the ESC Working Group for Atherosclerosis and Vascular Biology, and the ESC Council of Basic Cardiovascular Science. 2020 , 116, 2177-2184	184
1208	Follow-up study of the pulmonary function and related physiological characteristics of COVID-19 survivors three months after recovery. 2020 , 25, 100463	343
1207	COVID-19 in pregnancy: Placental and neonatal involvement. 2020 , 84, e13306	32
1206	Obesity and COVID-19: A Perspective from the European Association for the Study of Obesity on Immunological Perturbations, Therapeutic Challenges, and Opportunities in Obesity. 2020 , 13, 439-452	26
1205	Focus on clinical practice: angiotensin-converting enzyme 2 and corona virus disease 2019: pathophysiology and clinical implications. 2020 , 21, 630-633	7

1204	New Insights Into the Renin-Angiotensin System in Chronic Kidney Disease. <i>Circulation Research</i> , 2020 , 127, 607-609	15.7	3
1203	Noncoding RNAs implication in cardiovascular diseases in the COVID-19 era. 2020 , 18, 408		11
1202	A Testimony of the Surgent SARS-CoV-2 in the Immunological Panorama of the Human Host. 2020 , 10, 575404		3
1201	Physical Exercise and the Renin Angiotensin System: Prospects in the COVID-19. 2020 , 11, 561403		4
1200	ACE2 in the Era of SARS-CoV-2: Controversies and Novel Perspectives. 2020 , 7, 588618		49
1199	Subclinical elevated B-type Natriuretic Peptide (BNP) indicates endothelial dysfunction contributing to hypoxia susceptibility in healthy individuals. 2020 , 260, 118408		3
1198	Cardiovascular Manifestations and Mechanisms in Patients with COVID-19. 2020 , 31, 893-904		19
1197	Implications of COVID-19 Pandemic on Evolution of Diabetes in Malaria-Endemic African Region. 2020 , 2020, 8205261		0
1196	Stabilizing Cellular Barriers: Raising the Shields Against COVID-19. 2020 , 11, 583006		3
1195	SAMHD1 as the Potential Link Between SARS-CoV-2 Infection and Neurological Complications. 2020 , 11, 562913		5
1194	Catecholamine physiology and its implications in patients with COVID-19. 2020 , 8, 978-986		19
1193	The Long History of Vitamin C: From Prevention of the Common Cold to Potential Aid in the Treatment of COVID-19. 2020 , 11, 574029		42
1192	The SARS-CoV-2 Spike Glycoprotein as a Drug and Vaccine Target: Structural Insights into Its Complexes with ACE2 and Antibodies. 2020 , 9,		29
1191	Immunoinflammatory, Thrombohaemostatic, and Cardiovascular Mechanisms in COVID-19. 2020 , 120, 1629-1641		25
1190	New data on soluble ACE2 in patients with atrial fibrillation reveal potential value for treatment of patients with COVID-19 and cardiovascular disease. 2020 , 41, 4047-4049		3
1189	A combinational approach to restore cytokine balance and to inhibit virus growth may promote patient recovery in severe COVID-19 cases. 2020 , 136, 155228		4
1188	Neurological injuries in COVID-19 patients: direct viral invasion or a bystander injury after infection of epithelial/endothelial cells. 2020 , 26, 631-641		18
1187	Natural Flavonoids as Potential Angiotensin-Converting Enzyme 2 Inhibitors for Anti-SARS-CoV-2. 2020 , 25,		46

1186	Quinazoline-Schiff base conjugates: study and ADMET predictions as multi-target inhibitors of coronavirus (SARS-CoV-2) proteins.. 2020 , 10, 34033-34045	13
1185	Proteomic Analysis Reveals Upregulation of ACE2 (Angiotensin-Converting Enzyme 2), the Putative SARS-CoV-2 Receptor in Pressure-but Not Volume-Overloaded Human Hearts. 2020 , 76, e41-e43	3
1184	Vitamin D sufficiency, a serum 25-hydroxyvitamin D at least 30 ng/mL reduced risk for adverse clinical outcomes in patients with COVID-19 infection. 2020 , 15, e0239799	127
1183	Human recombinant soluble ACE2 in severe COVID-19. 2020 , 8, 1154-1158	199
1182	STAT3 isoforms differentially affect ACE2 expression: A potential target for COVID-19 therapy. 2020 , 24, 12864-12868	5
1181	SARS-CoV-2 Infection: A Role for S1P/S1P Receptor Signaling in the Nervous System?. 2020 , 21,	11
1180	Environmental Nanoparticles, SARS-CoV-2 Brain Involvement, and Potential Acceleration of Alzheimer's and Parkinson's Diseases in Young Urbanites Exposed to Air Pollution. 2020 , 78, 479-503	15
1179	SARS-CoV-2 Infectivity and Neurological Targets in the Brain. 2020 , 1	68
1178	COVID-19 infection in pregnant women, preterm delivery, birth weight, and vertical transmission: a systematic review and meta-analysis. 2020 , 36, e00087320	29
1177	COVID-19 and renin-angiotensin system modulators: what do we know so far?. 2020 , 18, 743-748	3
1176	Lessons Learned in Nutrition Therapy in Patients With Severe COVID-19. 2020 , 44, 1369-1375	9
1175	Pathogenesis, clinical manifestations and complications of coronavirus disease 2019 (COVID-19). 2020 , 15, 1287-1305	52
1174	Interaction of SARS-CoV-2 and Other Coronavirus With ACE (Angiotensin-Converting Enzyme)-2 as Their Main Receptor: Therapeutic Implications. 2020 , 76, 1339-1349	86
1173	What Kind of Evidence Is Needed to Dictate Practice Regarding Inhibitors of the Renin-Angiotensin System in COVID-19?. 2020 , 76, 665-669	1
1172	Understanding the Pathophysiology of COVID-19: Could the Contact System Be the Key?. 2020 , 11, 2014	25
1171	The Immune Response and Immunopathology of COVID-19. 2020 , 11, 2037	61
1170	Roles of MicroRNA-122 in Cardiovascular Fibrosis and Related Diseases. 2020 , 20, 463-473	20
1169	COVID-19 and Sex Differences: Mechanisms and Biomarkers. 2020 , 95, 2189-2203	91

1168	Response to Maccio et al, "Multifactorial pathogenesis of COVID-19-related coagulopathy: Can defibrotide have a role in the early phases of coagulation disorders?". 2020 , 18, 3111-3113	9
1167	Could Mesenchymal Stem Cell-Derived Exosomes Be a Therapeutic Option for Critically Ill COVID-19 Patients?. 2020 , 9,	11
1166	COVID-19 associated kidney impairment in adult: Qualitative and quantitative analyses with non-enhanced CT on admission. 2020 , 131, 109240	9
1165	Renin-Angiotensin System Inhibitors and COVID-19: a Systematic Review and Meta-Analysis. Evidence for Significant Geographical Disparities. 2020 , 22, 90	22
1164	SARS-CoV-2 multifaceted interaction with the human host. Part II: Innate immunity response, immunopathology, and epigenetics. 2020 , 72, 2331-2354	16
1163	Insights on SARS-CoV-2 Molecular Interactions With the Renin-Angiotensin System. 2020 , 8, 559841	23
1162	From ACE2 to COVID-19: A multiorgan endothelial disease. 2020 , 100, 425-430	6
1161	Ethnic Prevalence of Angiotensin-Converting Enzyme Deletion (D) Polymorphism and COVID-19 Risk: Rationale for Use of Angiotensin-Converting Enzyme Inhibitors/Angiotensin Receptor Blockers. 2021 , 8, 973-980	15
1160	Hypoxia response and acute lung and kidney injury: possible implications for therapy of COVID-19. 2020 , 13, 494-499	11
1159	ACE2 and SARS-CoV-2 Infection: Might GLP-1 Receptor Agonists Play a Role?. 2020 , 11, 1909-1914	9
1158	A Review of Viral Shedding in Resolved and Convalescent COVID-19 Patients. 2020 , 2, 1-10	8
1157	ACE2 (Angiotensin-Converting Enzyme 2) in Cardiopulmonary Diseases: Ramifications for the Control of SARS-CoV-2. 2020 , 76, 651-661	38
1156	Nicotine treatment and smoking cessation in the era of COVID-19 pandemic: an interesting alliance. 2020 , 6,	6
1155	Susceptibility of the Iranian population to severe acute respiratory syndrome coronavirus 2 infection based on variants of angiotensin I converting enzyme 2. 2020 , 15, 507-514	2
1154	Quantification of Death Risk in Relation to Sex, Pre-Existing Cardiovascular Diseases and Risk Factors in COVID-19 Patients: Let's Take Stock and See Where We Are. 2020 , 9,	7
1153	The Genetic Dissection of Expression Variation in the Heart of Murine Genetic Reference Population. 2020 , 7, 582949	4
1152	Angiotensin-converting enzyme 2, the complement system, the kallikrein-kinin system, type-2 diabetes, interleukin-6, and their interactions regarding the complex COVID-19 pathophysiological crossroads. 2020 , 21, 1470320320979097	3
1151	Dynamic SARS-CoV-2-Specific Immunity in Critically Ill Patients With Hypertension. 2020 , 11, 596684	6

1150	Molecular Mechanisms Lead to Sex-Specific COVID-19 Prognosis and Targeted Therapies. 2020 , 7, 589060	4
1149	COVID-19 Pneumonia in Children: From Etiology to Management. 2020 , 8, 616622	10
1148	COVID-19 and cardiovascular disease. 2020 , 32, 263-266	
1147	Possible Transmission Flow of SARS-CoV-2 Based on ACE2 Features. 2020 , 25,	21
1146	Pathophysiology and potential future therapeutic targets using preclinical models of COVID-19. 2020 , 6,	6
1145	Case Report: Central Retinal Artery Occlusion in a COVID-19 Patient. 2020 , 11, 588384	40
1144	Premises among SARS-CoV-2, dysbiosis and diarrhea: Walking through the ACE2/mTOR/autophagy route. 2020 , 144, 110243	11
1143	Intrinsic disorder perspective of an interplay between the renin-angiotensin-aldosterone system and SARS-CoV-2. 2020 , 85, 104510	6
1142	How chemical engineers can contribute to fight the COVID-19. 2020 , 116, 67-80	1
1141	How Does SARS-CoV-2 Affect the Central Nervous System? A Working Hypothesis. 2020 , 11, 582345	15
1140	The Contribution of Endothelial Dysfunction in Systemic Injury Subsequent to SARS-Cov-2 Infection. 2020 , 21,	10
1139	Symptoms, epidemiology and diagnosis: A mini-review on coronavirus. 2020 , 19, 763-772	1
1138	Covid-19 and Diabetes: A Complex Bidirectional Relationship. 2020 , 11, 582936	36
1137	Emerging Mechanisms of Pulmonary Vasoconstriction in SARS-CoV-2-Induced Acute Respiratory Distress Syndrome (ARDS) and Potential Therapeutic Targets. 2020 , 21,	17
1136	Integrative Transcriptome Analyses Empower the Anti-COVID-19 Drug Arsenal. 2020 , 23, 101697	11
1135	Frontlines of COVID-19: Lead, learn and cure. 2020 , 39, e12216	0
1134	Small Resistance Artery Disease and ACE2 in Hypertension: A New Paradigm in the Context of COVID-19. 2020 , 7, 588692	5
1133	A review of vaccine effects on women in light of the COVID-19 pandemic. 2020 , 59, 812-820	17

1132	Transplant Drugs against SARS, MERS and COVID-19. 2020 , 1, 71-84	3
1131	COVID-19 Associated Ischemic Stroke and Hemorrhagic Stroke: Incidence, Potential Pathological Mechanism, and Management. 2020 , 11, 571996	28
1130	Persistence of viral RNA, pneumocyte syncytia and thrombosis are hallmarks of advanced COVID-19 pathology. 2020 , 61, 103104	155
1129	Utilization of deceased donors during a pandemic: argument against using SARS-CoV-2-positive donors. 2020 , 20, 1795-1799	35
1128	Two important controversial risk factors in SARS-CoV-2 infection: Obesity and smoking. 2020 , 78, 103411	92
1127	p38 MAPK inhibition: A promising therapeutic approach for COVID-19. 2020 , 144, 63-65	105
1126	The SARS-CoV-2 receptor, ACE-2, is expressed on many different cell types: implications for ACE-inhibitor- and angiotensin II receptor blocker-based cardiovascular therapies. 2020 , 15, 759-766	66
1125	COVID-19 in adults: test menu for hospital blood science laboratories. 2020 , 189, 1147-1152	6
1124	Cardiovascular disease as a biomarker for an increased risk of COVID-19 infection and related poor prognosis. 2020 , 14, 713-716	22
1123	COVID-19: The Inflammation Link and the Role of Nutrition in Potential Mitigation. 2020 , 12,	225
1122	Plasma angiotensin-converting enzyme 2: novel biomarker in heart failure with implications for COVID-19. 2020 , 41, 1818-1820	43
1121	Hypertension, Thrombosis, Kidney Failure, and Diabetes: Is COVID-19 an Endothelial Disease? A Comprehensive Evaluation of Clinical and Basic Evidence. 2020 , 9,	285
1120	Gaucher disease and SARS-CoV-2 infection: Emerging management challenges. 2020 , 130, 164-169	14
1119	COVID-19 and SARS-Cov-2 Infection: Pathophysiology and Clinical Effects on the Nervous System. 2020 , 140, 49-53	66
1118	Pre-eclampsia-like syndrome induced by severe COVID-19: a prospective observational study. 2020 , 127, 1374-1380	129
1117	Reply to Siniorakis et al., "COVID-19 Interference with Renin-Angiotensin System in the Context of Heart Failure". 2020 , 11,	
1116	Structural variations and expression profiles of the SARS-CoV-2 host invasion genes in lung cancer. 2020 , 92, 2637-2647	8
1115	Two hits to the renin-angiotensin system may play a key role in severe COVID-19. 2020 , 36, 389-392	26

1114	Protective role of ACE2 and its downregulation in SARS-CoV-2 infection leading to Macrophage Activation Syndrome: Therapeutic implications. 2020 , 256, 117905	77
1113	Vascular Endothelial Growth Factor (VEGF) as a Vital Target for Brain Inflammation during the COVID-19 Outbreak. 2020 , 11, 1704-1705	40
1112	SARS-CoV-2 perturbs the renin-angiotensin system and energy metabolism. 2020 , 319, E43-E47	16
1111	The liaison between respiratory failure and high blood pressure: evidence from COVID-19 patients. 2020 , 56,	24
1110	Is Hypertension a Real Risk Factor for Poor Prognosis in the COVID-19 Pandemic?. 2020 , 22, 43	23
1109	COVID-19 and the endothelium. 2020 , 75, 7-11	58
1108	[SARS-CoV-2 pandemic and assisted reproduction]. 2020 , 47, 96-105	1
1107	Is the use of ACE inb/ARBs associated with higher in-hospital mortality in Covid-19 pneumonia patients?. 2020 , 42, 738-742	30
1106	The Biology of Lactoferrin, an Iron-Binding Protein That Can Help Defend Against Viruses and Bacteria. 2020 , 11, 1221	105
1105	Sex Differences in Proatherogenic Cytokine Levels. 2020 , 21,	7
1104	The Modulation of Mucosal Antiviral Immunity by Immunobiotics: Could They Offer Any Benefit in the SARS-CoV-2 Pandemic?. 2020 , 11, 699	27
1103	Is diet partly responsible for differences in COVID-19 death rates between and within countries?. 2020 , 10, 16	54
1102	Dysfunctional Coagulation in COVID-19: From Cell to Bedside. 2020 , 37, 3033-3039	36
1101	Opportunities and Challenges for Biosensors and Nanoscale Analytical Tools for Pandemics: COVID-19. 2020 , 14, 7783-7807	179
1100	Renin-Angiotensin System in Lung Tumor and Microenvironment Interactions. 2020 , 12,	22
1099	Overcoming Barriers: The Endothelium As a Linchpin of Coronavirus Disease 2019 Pathogenesis?. 2020 , 40, 1818-1829	41
1098	Expression of angiotensin-converting enzyme 2 and proteases in COVID-19 patients: A potential role of cellular FURIN in the pathogenesis of SARS-CoV-2. 2020 , 143, 109893	17
1097	The Prevention and Management of COVID-19: Seeking a Practical and Timely Solution. 2020 , 17,	8

1096	ACE2 (Angiotensin-Converting Enzyme 2)-Mediated Protection From Pulmonary Hypertension: Lung-Gut Axis at Center Stage. 2020 , 76, 28-29	3
1095	RAGE receptor: May be a potential inflammatory mediator for SARS-CoV-2 infection?. 2020 , 144, 109950	18
1094	Severe Acute Respiratory Syndrome Coronavirus 2: From Gene Structure to Pathogenic Mechanisms and Potential Therapy. 2020 , 11, 1576	20
1093	SARS-CoV-2 pandemic and research gaps: Understanding SARS-CoV-2 interaction with the ACE2 receptor and implications for therapy. 2020 , 10, 7448-7464	102
1092	Clinical Features of 33 Cases in Children Infected With SARS-CoV-2 in Anhui Province, China-A Multi-Center Retrospective Cohort Study. 2020 , 8, 255	8
1091	[Impact of the pandemic COVID-19 in andrology. Recommendations in daily clinical practice]. 2020 , 18, 124-126	
1090	Irisin modulates genes associated with severe coronavirus disease (COVID-19) outcome in human subcutaneous adipocytes cell culture. 2020 , 515, 110917	26
1089	Response by Gheblawi et al to Letter Regarding Article, "Angiotensin-Converting Enzyme 2: SARS-CoV-2 Receptor and Regulator of the Renin-Angiotensin System: Celebrating the 20th Anniversary of the Discovery of ACE2". <i>Circulation Research</i> , 2020 , 127, e46-e47	15.7 10
1088	Potential Causes and Consequences of Gastrointestinal Disorders during a SARS-CoV-2 Infection. 2020 , 32, 107915	68
1087	Good or bad: Application of RAAS inhibitors in COVID-19 patients with cardiovascular comorbidities. 2020 , 215, 107628	22
1086	Angiotensin II receptors: Impact for COVID-19 severity. 2020 , 33, e13989	12
1085	Targeting the forkhead box protein P1 pathway as a novel therapeutic approach for cardiovascular diseases. 2020 , 1	3
1084	Late histopathologic characteristics of critically ill COVID-19 patients: Different phenotypes without evidence of invasive aspergillosis, a case series. 2020 , 59, 149-155	59
1083	Elevated Angiotensin 1-7/Angiotensin II Ratio Predicts Favorable Outcomes in Patients With Heart Failure. 2020 , 13, e006939	14
1082	SARS-CoV-2 Receptor ACE2 (Angiotensin-Converting Enzyme 2) Is Upregulated in Colonic Organoids From Hypertensive Rats. 2020 , 76, e26-e28	7
1081	In the eye of the storm: the right ventricle in COVID-19. 2020 , 10, 2045894020936660	36
1080	ACE2 as a Therapeutic Target for COVID-19; its Role in Infectious Processes and Regulation by Modulators of the RAAS System. 2020 , 9,	19
1079	COVID-19, coagulopathy and venous thromboembolism: more questions than answers. 2020 , 15, 1375-1387	55

1078	Use of angiotensin-converting enzyme inhibitors and angiotensin II receptor blockers in context of COVID-19 outbreak: a retrospective analysis. 2020 , 14, 601-612		28
1077	Letter by Weir Regarding Article, "Angiotensin-Converting Enzyme 2: SARS-CoV-2 Receptor and Regulator of the Renin-Angiotensin System: Celebrating the 20th Anniversary of the Discovery of ACE2". <i>Circulation Research</i> , 2020 , 127, e44-e45	15.7	0
1076	SARS-CoV-2 Evolutionary Adaptation toward Host Entry and Recognition of Receptor O-Acetyl Sialylation in Virus-Host Interaction. 2020 , 21,		48
1075	COVID-19: Progress in diagnostics, therapy and vaccination. 2020 , 10, 7821-7835		77
1074	The renin angiotensin aldosterone system and COVID-19. 2020 , 28, 977-984		4
1073	COVID-19-related complications and decompression illness share main features.: Could the SARS-CoV2-related complications rely on blood foaming?. 2020 , 144, 109918		2
1072	Metformin in COVID-19: A possible role beyond diabetes. 2020 , 164, 108183		114
1071	The COVID-19 pandemics: Shall we expect andrological consequences? A call for contributions to ANDROLOGY. 2020 , 8, 528-529		10
1070	Coronavirus Infections and Type 2 Diabetes-Shared Pathways with Therapeutic Implications. 2020 , 41,		235
1069	Renin-angiotensin system at the heart of COVID-19 pandemic. 2020 , 174, 30-33		88
1068	COVID-19 and the Heart. <i>Circulation Research</i> , 2020 , 126, 1443-1455	15.7	395
1067	Obesity aggravates COVID-19: A systematic review and meta-analysis. 2021 , 93, 257-261		122
1066	The first reactive arthritis case associated with COVID-19. 2021 , 93, 192-193		52
1065	Aging in COVID-19: Vulnerability, immunity and intervention. 2021 , 65, 101205		193
1064	Delayed hospital admission and high-dose corticosteroids potentially prolong SARS-CoV-2 RNA detection duration of patients with COVID-19. 2021 , 40, 841-848		6
1063	The Human Explanted Heart Program: A translational bridge for cardiovascular medicine. 2021 , 1867, 165995		2
1062	ACE2 and SARS-CoV-2: Tissue or Plasma, Good or Bad?. 2021 , 34, 274-277		5
1061	Molecules in pathogenesis: angiotensin converting enzyme 2 (ACE2). 2021 , 74, 285-290		17

1060	Pathogenetic profiling of COVID-19 and SARS-like viruses. 2021 , 22, 1175-1196	20
1059	Advances in research on ACE2 as a receptor for 2019-nCoV. 2021 , 78, 531-544	50
1058	Pharmacological agents under investigation in the treatment of coronavirus disease 2019 and the importance of melatonin. 2021 , 35, 62-75	9
1057	The use of mechanistic reasoning in assessing coronavirus interventions. 2021 , 27, 684-693	3
1056	SARS-CoV-2 Entry Receptor ACE2 Is Expressed on Very Small CD45 Precursors of Hematopoietic and Endothelial Cells and in Response to Virus Spike Protein Activates the Nlrp3 Inflammasome. 2021 , 17, 266-277	62
1055	Systematic Review of COVID-19 Related Myocarditis: Insights on Management and Outcome. 2021 , 23, 107-113	78
1054	An Assessment on Impact of COVID-19 Infection in a Gender Specific Manner. 2021 , 17, 94-112	23
1053	Can N-3 polyunsaturated fatty acids be considered a potential adjuvant therapy for COVID-19-associated cardiovascular complications?. 2021 , 219, 107703	31
1052	Elevated markers of gut leakage and inflammasome activation in COVID-19 patients with cardiac involvement. 2021 , 289, 523-531	35
1051	Food science and COVID-19. 2021 , 10, 1-5	12
1050	The Effect of Prior Angiotensin-Converting Enzyme Inhibitor and Angiotensin Receptor Blocker Treatment on Coronavirus Disease 2019 (COVID-19) Susceptibility and Outcome: A Systematic Review and Meta-analysis. 2021 , 72, e901-e913	19
1049	Thrombotic Complications in Patients with COVID-19: Pathophysiological Mechanisms, Diagnosis, and Treatment. 2021 , 35, 215-229	48
1048	Renin-angiotensin system at the interface of COVID-19 infection. 2021 , 890, 173656	12
1047	The role of kallikrein-kinin and renin-angiotensin systems in COVID-19 infection. 2021 , 135, 170428	5
1046	Antibodies at work in the time of severe acute respiratory syndrome coronavirus 2. 2021 , 23, 101-110	11
1045	Angiotensin-converting enzyme 2 (ACE2): SARS-CoV-2 receptor and RAS modulator. 2021 , 11, 1-12	40
1044	Obesity aggravates COVID-19: An updated systematic review and meta-analysis. 2021 , 93, 2662-2674	52
1043	Visceral fat is associated to the severity of COVID-19. 2021 , 115, 154440	41

1042	Higher ACE2 expression levels in epicardial cells than subcutaneous stromal cells from patients with cardiovascular disease: Diabetes and obesity as possible enhancer. 2021 , 51, e13463	9
1041	Predictors of adverse in-hospital outcome and recovery in patients with diabetes mellitus and COVID-19 pneumonia in Iraq. 2021 , 15, 33-38	14
1040	Sex differences in COVID-19: candidate pathways, genetics of ACE2, and sex hormones. 2021 , 320, H296-H304	51
1039	Transition metal complexes as potential tools against SARS-CoV-2: an in silico approach. 2021 , 45, 1924-1933	14
1038	An approach of fatty acids and resveratrol in the prevention of COVID-19 severity. 2020 , 35, 2269	5
1037	COVID-19 and diabetes: A bidirectional relationship. 2021 , 33, 151-157	12
1036	Angiotensin-converting enzyme 2 and COVID-19: patients, comorbidities, and therapies. 2021 , 320, L301-L330	11
1035	Meta-analysis Comparing Outcomes in Patients With and Without Cardiac Injury and Coronavirus Disease 2019 (COVID 19). 2021 , 141, 140-146	12
1034	Maternal immune responses and obstetrical outcomes of pregnant women with COVID-19 and possible health risks of offspring. 2021 , 143, 103250	22
1033	History of the COVID-19 pandemic: Origin, explosion, worldwide spreading. 2021 , 538, 14-23	24
1032	Endothelialitis plays a central role in the pathophysiology of severe COVID-19 and its cardiovascular complications. 2021 , 76, 109-124	21
1031	Optical coherence tomography angiography analysis of the retina in patients recovered from COVID-19: a case-control study. 2021 , 56, 24-30	62
1030	COVID-19 and diabetes mellitus: from pathophysiology to clinical management. 2021 , 17, 11-30	293
1029	Increased susceptibility to SARS-CoV-2 infection in patients with reduced left ventricular ejection fraction. 2021 , 8, 380-389	8
1028	New drug targets for hypertension: A literature review. 2021 , 1867, 166037	7
1027	Targeting ACE2 for COVID-19 Therapy: Opportunities and Challenges. 2021 , 64, 416-425	26
1026	Progress in Research on SARS-CoV-2 Infection Causing Neurological Diseases and Its Infection Mechanism. 2020 , 11, 592888	3
1025	The renin-angiotensin system in COVID-19: Why ACE2 targeting by coronaviruses produces higher mortality in elderly hypertensive patients?. 2021 , 43, e2000112	0

1024	Coevolutionary forces shaping the fitness of SARS-CoV-2 spike glycoprotein against human receptor ACE2. 2021 , 87, 104646	6
1023	Coronavirus Disease 2019-Associated Coagulopathy. 2021 , 96, 203-217	50
1022	Sex-dependent immune response and lethality of COVID-19. 2020 , 50, 102116	8
1021	Direct hemoperfusion using a polymyxin B-immobilized polystyrene column for COVID-19. 2021 , 36, 313-321	16
1020	The Counter Regulatory Axis of the Lung Renin-Angiotensin System in Severe COVID-19: Pathophysiology and Clinical Implications. 2021 , 30, 786-794	8
1019	Hyperactivation of P2X7 receptors as a culprit of COVID-19 neuropathology. 2021 , 26, 1044-1059	44
1018	Dysregulation of Angiotensin Converting Enzyme 2 Expression and Function in Comorbid Disease Conditions Possibly Contributes to Coronavirus Infectious Disease 2019 Complication Severity. 2021 , 99, 17-28	9
1017	Cardiac injury prediction and lymphocyte immunity and inflammation analysis in hospitalized patients with coronavirus disease 2019 (COVID-19). 2021 , 326, 237-242	8
1016	Predictive monitoring and therapeutic immune biomarkers in the management of clinical complications of COVID-19. 2021 , 58, 32-48	9
1015	The effect of environmental pollution on immune evasion checkpoints of SARS-CoV-2. 2021 , 81, 103520	9
1014	Renin-angiotensin-system inhibition in the context of corona virus disease-19: experimental evidence, observational studies, and clinical implications. 2021 , 26, 381-389	4
1013	Coronavirus disease-19 and cardiovascular disease: A risk factor or a risk marker?. 2021 , 31, e2172	5
1012	Severe acute respiratory syndrome-coronavirus-2: Current advances in therapeutic targets and drug development. 2021 , 31, e2174	4
1011	Multisystem effects of COVID-19: a concise review for practitioners. 2021 , 133, 20-27	22
1010	Alpha-1-antitrypsin: A possible host protective factor against Covid-19. 2021 , 31, e2157	27
1009	Hypertension, diabetes mellitus, and cerebrovascular disease predispose to a more severe outcome of COVID-19. 2021 , 6, e30-e39	3
1008	The lethal triad: SARS-CoV-2 Spike, ACE2 and TMPRSS2. Mutations in host and pathogen may affect the course of pandemic.	0
1007	Could repurposing existing vaccines and antibiotics help to control the COVID-19 pandemic?. 2021 , 245-255	

1006	Work stress, dysbiosis, and immune dysregulation: the interconnected triad in Covid-19 infection in the medical team staff - A mini-review. 2021 ,	
1005	Possible mechanisms of cardiovascular complications and troponin elevation in coronavirus disease: A narrative review. 2021 , 5, 65	
1004	Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2): a Systemic Infection. 2021 , 34,	61
1003	SARS-CoV-2 and the reproductive system: known and the unknown...!. 2021 , 26, 1	14
1002	Ontological modeling and analysis of experimentally or clinically verified drugs against coronavirus infection. 2021 , 8, 16	10
1001	Exploring G protein-coupled receptors and yeast surface display strategies for viral detection in baker's yeast: SARS-CoV-2 as a case study. 2021 , 21,	2
1000	A research update: Significance of cytokine storm and diaphragm in COVID-19. 2021 , 2, 100031	2
999	Gene Expression of Angiotensin-Converting Enzyme 2 Receptor in Skin and the Implications for COVID-19. 2021 , 34, 31-35	4
998	RGD-binding integrins and TGF- β in SARS-CoV-2 infections - novel targets to treat COVID-19 patients?. 2021 , 10, e1240	12
997	Evolution, correlation, structural impact and dynamics of emerging SARS-CoV-2 variants. 2021 , 19, 3799-3809	12
996	SARS-CoV-2 infection and smoking: What is the association? A brief review. 2021 , 19, 1654-1660	3
995	Review on COVID-19 Etiopathogenesis, Clinical Presentation and Treatment Available with Emphasis on ACE2. 2021 , 36, 1-20	5
994	Effect of Discontinuing vs Continuing Angiotensin-Converting Enzyme Inhibitors and Angiotensin II Receptor Blockers on Days Alive and Out of the Hospital in Patients Admitted With COVID-19: A Randomized Clinical Trial. 2021 , 325, 254-264	157
993	COVID-19, A new challenge in the dental practice. 2021 , 13, e709-e716	0
992	The Novel Coronavirus and Haemostatic Abnormalities: Pathophysiology, Clinical Manifestations, and Treatment Recommendations. 2021 , 1321, 173-180	1
991	Pathogenesis of Multiple Organ Injury in COVID-19 and Potential Therapeutic Strategies. 2021 , 12, 593223	42
990	Resveratrol supplementation reduces ACE2 expression in human adipose tissue. 2021 , 10, 408-411	8
989	How to Best Protect People With Diabetes From the Impact of SARS-CoV-2: Report of the International COVID-19 and Diabetes Summit. 2021 , 15, 478-514	9

988	Overview of COVID-19 inflammatory pathogenesis from the therapeutic perspective. 2021 , 44, 99-116	33
987	Reactive oxygen species, proinflammatory and immunosuppressive mediators induced in COVID-19: overlapping biology with cancer. 2021 , 2, 1402-1414	2
986	Gastrointestinal Manifestations of COVID-19. 2021 , 2299-2312	
985	Marked von Willebrand factor and factor VIII elevations in severe acute respiratory syndrome coronavirus-2-positive, but not severe acute respiratory syndrome coronavirus-2-negative, pneumonia: a case-control study. 2021 , 32, 285-289	9
984	Understanding COVID-19 Pandemic: Molecular Mechanisms and Potential Therapeutic Strategies. An Evidence-Based Review. 2021 , 14, 13-56	19
983	A computational study on hydroxychloroquine binding to target proteins related to SARS-COV-2 infection. 2021 , 26, 100714	1
982	Exploration of sex-specific and age-dependent COVID-19 fatality rate in Bangladesh population. 2021 , 13, 1-18	4
981	Immunohistochemical study for the expression of leukocyte adhesion molecules, and FGF23 and ACE2 in P. gingivalis LPS-induced diabetic nephropathy. 2021 , 22, 3	1
980	Is COVID 19, a beginning of new entity called chronic viral systemic inflammatory syndrome?. 2021 , 5, 127-134	
979	Neumonía por COVID-19 en niños: De su etiología a su manejo. 2021 , 3, 46-51	
978	Targeting Molecular and Cellular Mechanisms in SARS-CoV-2 Novel Corona (COVID-19) Virus Infection. 2021 , 559-581	
977	A case series of concomitant burn and COVID-19. 2021 , 5, 34-38	5
976	The neuropathological impact of COVID-19: a review. 2021 , 45, 19	5
975	Pathophysiological Clues to How the Emergent SARS-CoV-2 Can Potentially Increase the Susceptibility to Neurodegeneration. 2021 , 58, 2379-2394	17
974	Is COVID-19 Gender-sensitive?. 2021 , 16, 38-47	34
973	ACE2/Ang-(1-7)/Mas1 axis and the vascular system: vasoprotection to COVID-19-associated vascular disease. 2021 , 135, 387-407	13
972	SARS-CoV-2 Spike Protein Elicits Cell Signaling in Human Host Cells: Implications for Possible Consequences of COVID-19 Vaccines. 2021 , 9,	16
971	COVID-19 Pandemic Panic: Prophylactic as Well as Therapeutic Management with Traditional Ethnic Phytopharmaceuticals with Challenging Nano-spray Inhaler and Advanced Drug Delivery System. 2021 , 437-460	

970	The Balance between Two Branches of RAS Can Protect from Severe COVID-19 Course. 2021 , 15, 36-51	1
969	WHF Position Statement on COVID Vaccination. 2021 , 16, 29	1
968	Angiotensin-converting enzyme 2 and COVID-19 in cardiorenal diseases. 2021 , 135, 1-17	11
967	Etiology of inflammatory disorders. 2021 , 17-23	
966	What Testosterone Got to Do with It? A Critical Assessment of the Contribution of Testosterone to Gender Disparities in COVID-19 Infections and Deaths. 2021 , 2, 18-35	2
965	[COVID-19 effects on the kidney]. 2021 , 42, 183-187	5
964	Characterization of proteins from putative human DNA and RNA viruses.. 2021 , 18,	
963	Opportunities, Challenges and Pitfalls of Using Cannabidiol as an Adjuvant Drug in COVID-19. 2021 , 22,	14
962	COVID-19 and male reproduction: Current research and unknown factors. 2021 , 9, 1027-1037	3
961	The mechanism and active compounds of semen treating coronavirus disease 2019 based on network pharmacology and molecular docking.. 2021 , 65,	3
960	Potential Role of Antioxidant and Anti-Inflammatory Therapies to Prevent Severe SARS-Cov-2 Complications. 2021 , 10,	19
959	WIN 55,212-2 shows anti-inflammatory and survival properties in human iPSC-derived cardiomyocytes infected with SARS-CoV-2.	
958	Strategies to Target ADAM17 in Disease: From its Discovery to the iRhom Revolution. 2021 , 26,	19
957	Human eggs, zygotes, and embryos express the receptor angiotensin 1-converting enzyme 2 and transmembrane serine protease 2 protein necessary for severe acute respiratory syndrome coronavirus 2 infection. 2021 , 2, 33-42	8
956	Ophthalmic Screening in Patients with Coronavirus Disease 2019: A Prospective Cohort Study. 2021 , 10,	0
955	The COVID-19 Pandemic: an Appraisal of its Impact on Human Immunodeficiency Virus Infection and Pre-Eclampsia. 2021 , 23, 9	5
954	ERAP1 and ERAP2 Enzymes: A Protective Shield for RAS against COVID-19?. 2021 , 22,	6
953	COVID-19 related thrombi in ascending and descending thoracic aorta with peripheral embolization: a case report. 2021 , 5, ytaa525	2

952	Mechanistic and Therapeutic Implications of Extracellular Vesicles as a Potential Link Between Covid-19 and Cardiovascular Disease Manifestations. 2021 , 9, 640723	5
951	Experimental data using candesartan and captopril indicate no double-edged sword effect in COVID-19. 2021 , 135, 465-481	23
950	COVID-19: a new emerging respiratory disease from the neurological perspective. 2021 , 28, 40445-40459	11
949	Increased TLR/MyD88 signaling in patients with obesity: is there a link to COVID-19 disease severity?. 2021 , 45, 1152-1154	6
948	SARS-CoV-2 and endothelial cell interaction in COVID-19: molecular perspectives. 2021 , 3, R15-R23	18
947	Hepatotropic Properties of SARS-CoV-2-Preliminary Results of Cross-Sectional Observational Study from the First Wave COVID-19 Pandemic. 2021 , 10,	9
946	ACE/ACE2 balance might be instrumental to explain the certain comorbidities leading to severe COVID-19 cases. 2021 , 41,	4
945	Effects of Chloroquine and Hydroxychloroquine on the Cardiovascular System - Limitations for Use in the Treatment of COVID-19. 2021 ,	1
944	Viral Infection and Cardiovascular Disease: Implications for the Molecular Basis of COVID-19 Pathogenesis. 2021 , 22,	6
943	Downregulation of Membrane-bound Angiotensin Converting Enzyme 2 (ACE2) Receptor has a Pivotal Role in COVID-19 Immunopathology. 2021 , 22, 254-281	17
942	Treating patients with a new coronavirus infection in the clinic of Izmerov Research Institute of Occupational Health. 2021 , 61, 27-33	
941	Network and 16S rRNA Sequencing-Combined Approach Provides Insightful Evidence of Vitamin K for Salt-Sensitive Hypertension. 2021 , 8, 639467	1
940	Angiotensin-Converting Enzyme 2 (ACE2) of marine biota: a preliminary study of potential therapy for SARS-CoV-2 infection. 2021 , 1747, 012004	
939	Diabète et COVID-19 : les leçons de CORONADO. 2021 , 15, 15-23	1
938	Thymoquinone: A Tie-Breaker in SARS-CoV2-Infected Cancer Patients?. 2021 , 10,	5
937	A pressor dose of angiotensin II has no influence on the angiotensin-converting enzyme 2 and other molecules associated with SARS-CoV-2 infection in mice. 2021 , 35, e21419	3
936	Role of the SphK-S1P-S1PRs pathway in invasion of the nervous system by SARS-CoV-2 infection. 2021 , 48, 637-650	3
935	Angiotensin-converting enzyme 2, coronavirus disease 2019, and abdominal aortic aneurysms. 2021 , 74, 1740-1751	10

934	C-reactive protein as an effector molecule in Covid-19 pathogenesis. 2021 , 31, e2221	11
933	The Impact of SARS-CoV-2 Infection on the Development of Neurodegeneration in Multiple Sclerosis. 2021 , 22,	10
932	COVID-19-induced endotheliitis: emerging evidence and possible therapeutic strategies. 2021 , 193, 43-51	20
931	Multiorgan damage and dysfunction due to infection by severe acute respiratory syndrome coronavirus-2 and post-recovery complications. 2, 9	
930	Comorbidities and inflammation associated with ovarian cancer and its influence on SARS-CoV-2 infection. 2021 , 14, 39	0
929	SARS-CoV-2 and the Gastrointestinal Tract in Children. 2021 , 9, 617980	15
928	The Immunopathology of COVID-19 and the Cannabis Paradigm. 2021 , 12, 631233	9
927	Protein Expression of Angiotensin-Converting Enzyme 2 (ACE2) is Upregulated in Brains with Alzheimer's Disease. 2021 , 22,	19
926	Silence of the Lambs: The Immunological and Molecular Mechanisms of COVID-19 in Children in Comparison with Adults. 2021 , 9,	5
925	Looking beyond pulmonary disease in COVID-19: A lesson from patients with cystic fibrosis. 2021 , 147, 110481	3
924	A longitudinal study of convalescent plasma (CCP) donors and correlation of ABO group, initial neutralizing antibodies (nAb), and body mass index (BMI) with nAb and anti-nucleocapsid (NP) SARS-CoV-2 antibody kinetics: Proposals for better quality of CCP collections. 2021 , 61, 1447-1460	7
923	Obesity and Mortality Among Patients Diagnosed With COVID-19: A Systematic Review and Meta-Analysis. 2021 , 8, 620044	34
922	The Tissue Renin-Angiotensin System and Its Role in the Pathogenesis of Major Human Diseases: Quo Vadis?. 2021 , 10,	13
921	Renin-Angiotensin-Aldosterone System: Friend or Foe-The Matter of Balance. Insight on History, Therapeutic Implications and COVID-19 Interactions. 2021 , 22,	5
920	Could Renin-Angiotensin System Inhibitors Be Protective From Severe COVID-19?. 2021 , 77, 843-845	0
919	ACE2, SARS-CoV-2 und RAAS-Blocker. 2021 , 21, 25-27	
918	Genetic and epigenetic factors associated with increased severity of Covid-19. 2021 , 45, 1158-1174	18
917	Pulmonary, cardiac and renal distribution of ACE2, furin, TMPRSS2 and ADAM17 in rats with heart failure: Potential implication for COVID-19 disease. 2021 , 25, 3840-3855	9

916	Gender-based disparities in COVID-19 patient outcomes. 2021,	8
915	The impact of COVID-19 on pregnancy outcomes: a systematic review and meta-analysis. 2021, 193, E540-E548	119
914	On the SARS-CoV-2 "Variation Hypothesis": No Association Between Viral Load of Index Cases and COVID-19 Severity of Secondary Cases. 2021, 12, 646679	6
913	Zinc deficiency as a possible risk factor for increased susceptibility and severe progression of Corona Virus Disease 19. 2021, 1-19	11
912	Natural Products from Medicinal Plants with Anti-Human Coronavirus Activities. 2021, 26,	8
911	A novel soluble ACE2 protein totally protects from lethal disease caused by SARS-CoV-2 infection. 2021,	6
910	Bioactive compounds and probiotics—ray of hope in COVID-19 management. 2021, 10, 131-140	12
909	Stroke in SARS-CoV-2 Infection: A Pictorial Overview of the Pathoetiology. 2021, 8, 649922	7
908	SARS-CoV-2 infection represents a high risk for the elderly: analysis of pathogenesis. 2021, 166, 1565-1574	7
907	Perspective: Nutritional Strategies Targeting the Gut Microbiome to Mitigate COVID-19 Outcomes. 2021, 12, 1074-1086	9
906	Functional pathophysiology of SARS-CoV-2-induced acute lung injury and clinical implications. 2021, 130, 877-891	19
905	A potential impact of SARS-CoV-2 on pituitary glands and pituitary neuroendocrine tumors. 2021, 72, 340-348	7
904	Environmental Determinants of Coronavirus Disease 2019 (COVID-19). 2021, 21, 15	3
903	Myoglobin and C-reactive protein are efficient and reliable early predictors of COVID-19 associated mortality. 2021, 11, 5975	10
902	Comprehensive in silico identification of impacts of SNPs on COVID-19 susceptibility in different populations. 2021, 22, 100979	10
901	Dipeptidyl peptidase 3, a marker of the antagonist pathway of the renin-angiotensin-aldosterone system in patients with heart failure. 2021, 23, 947-953	4
900	Revisiting Pleiotropic Effects of Type I Interferons: Rationale for Its Prophylactic and Therapeutic Use Against SARS-CoV-2. 2021, 12, 655528	5
899	SARS-CoV-2 spike protein binding selectively accelerates substrate-specific catalytic activity of ACE2. 2021, 170, 299-306	3

898	COVID-19: Potential Repurposing Drugs. 2021 ,	2
897	STEMI associated with SARS-CoV-2 infection and the use of ECMO as a potential therapeutic approach in addition to the PCI. 2021 , 2021, omaa148	2
896	Why Does SARS-CoV-2 Infection Induce Autoantibody Production?. 2021 , 10,	1
895	Soluble angiotensin-converting enzyme 2 is transiently elevated in COVID-19 and correlates with specific inflammatory and endothelial markers.	
894	Targeting androgen regulation of TMPRSS2 and ACE2 as a therapeutic strategy to combat COVID-19. 2021 , 24, 102254	41
893	Wuhan to World: The COVID-19 Pandemic. 2021 , 11, 596201	39
892	COVID-19 (SARS-CoV-2) in Non-Airborne body fluids: A systematic review & Meta-analysis. 2021 , 47, 87-97	1
891	Cardiovascular Disease and COVID-19: Insight From Cases With Heart Failure. 2021 , 8, 629958	3
890	Trace Minerals, Vitamins and Nutraceuticals in Prevention and Treatment of COVID-19. 2021 , 1-35	3
889	Diabetes mellitus in combination with COVID-19: modern views on therapy. 2021 , 8-20	
888	51-005 SARS-CoV-2 000- COVID-19. 2021 , 86, 451-456	
887	COVID-19 effects on the kidney. 2021 , 42, 76-80	5
886	Fecal Microbiota Transplantation during and Post-COVID-19 Pandemic. 2021 , 22,	4
885	Clinical features resembling subcutaneous insulin resistance observed in a patient with type 2 diabetes and severe COVID-19-associated pneumonia: a case report. 2021 , 12, 1-6	1
884	Dual role for angiotensin-converting enzyme 2 in Severe Acute Respiratory Syndrome Coronavirus 2 infection and cardiac fat. 2021 , 22, e13225	3
883	Overexpression of angiotensin-converting enzyme 2 by renin-angiotensin system inhibitors. Truth or myth? A systematic review of animal studies. 2021 , 44, 955-968	6
882	The effects of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) on ischemic stroke and the possible underlying mechanisms. 2021 , 1-20	2
881	The Effect of Chronic and Inhospital Exposure to Renin-Angiotensin System Inhibitors on the Outcome and Inflammatory State of Coronavirus Disease 2019 Adult Inpatients. 2021 , 2021, 5517441	0

880	Food Processing, Dysbiosis, Gastrointestinal Inflammatory Diseases, and Antiangiogenic Functional Foods or Beverages. 2021 , 12, 235-258	3
879	Role of Genetic Variants and Gene Expression in the Susceptibility and Severity of COVID-19. 2021 , 41, 129-138	39
878	Perspectives and Challenges in the Fight Against COVID-19: The Role of Genetic Variability. 2021 , 11, 598875	6
877	Type-2 diabetes, a co-morbidity in Covid-19: does insulin signaling matter?. 2021 , 49, 987-995	5
876	Preclinical efficacy and safety analysis of gamma-irradiated inactivated SARS-CoV-2 vaccine candidates. 2021 , 11, 5804	10
875	Commentary to Angiotensin-Converting-Enzyme 2 and Renin-Angiotensin System Inhibitors in COVID-19: An Update. 2021 , 28, 251-252	
874	Pathological findings in organs and tissues of patients with COVID-19: A systematic review. 2021 , 16, e0250708	22
873	Inflammation, immunity and potential target therapy of SARS-COV-2: A total scale analysis review. 2021 , 150, 112087	10
872	ACE2, TMPRSS2, and L-SIGN Expression in Placentae From HIV-Positive Pregnancies Exposed to Antiretroviral Therapy-Implications for SARS-CoV-2 Placental Infection. 2021 , 224, S631-S641	1
871	Cardiovascular Outcomes in the Acute Phase of COVID-19. 2021 , 22,	4
870	Impact of cytokine storm and systemic inflammation on liver impairment patients infected by SARS-CoV-2: Prospective therapeutic challenges. 2021 , 27, 1531-1552	4
869	Soluble ACE2-mediated cell entry of SARS-CoV-2 via interaction with proteins related to the renin-angiotensin system. 2021 , 184, 2212-2228.e12	94
868	Current Stem Cell Research Status on Hepatic and Pulmonary Sclerosis in COVID-19. 2021 , 2, 292-295	
867	Effects of SARS-CoV-2 on Cardiovascular System: The Dual Role of Angiotensin-Converting Enzyme 2 (ACE2) as the Virus Receptor and Homeostasis Regulator-Review. 2021 , 22,	20
866	Plasma renin activity has a complex prognostic role in patients with acute coronary syndromes. 2021 , 329, 198-204	
865	Development of a Colorimetric Tool for SARS-CoV-2 and Other Respiratory Viruses Detection Using Sialic Acid Fabricated Gold Nanoparticles. 2021 , 13,	2
864	Hypertension as a sequela in patients of SARS-CoV-2 infection. 2021 , 16, e0250815	11
863	Hypertension, a Moving Target in COVID-19: Current Views and Perspectives. <i>Circulation Research</i> , 2021 , 128, 1062-1079	15.7 22

862	Aging versus youth: Endocrine aspects of vulnerability for COVID-19. 2021 , 1	3
861	Obesity and its impact on COVID-19. 2021 , 99, 899-915	7
860	The common risk factors for progression and mortality in COVID-19 patients: a meta-analysis. 2021 , 166, 2071-2087	11
859	Long-COVID and Post-COVID Health Complications: An Up-to-Date Review on Clinical Conditions and Their Possible Molecular Mechanisms. 2021 , 13,	56
858	Angiotensin II receptor type 1 blockade improves hyporesponsiveness to vasopressors in septic shock. 2021 , 897, 173953	2
857	The Role of Renin-Angiotensin-Aldosterone System in the Heart and Lung: Focus on COVID-19. 2021 , 12, 667254	19
856	Giloy Ghanvati ((Willd.) Hook. f. and Thomson) Reversed SARS-CoV-2 Viral Spike-Protein Induced Disease Phenotype in the Xenotransplant Model of Humanized Zebrafish. 2021 , 12, 635510	10
855	SARS-CoV-2 Entry inhibitors targeting virus-ACE2 or virus-TMPRSS2 interactions. 2021 ,	1
854	Angiotensin-converting enzyme inhibitors and angiotensin II receptor blockers: potential allies in the COVID-19 pandemic instead of a threat?. 2021 , 135, 1009-1014	5
853	Endothelial cells and SARS-CoV-2: An intimate relationship. 2021 , 137, 106829	20
852	A Brief Overview of Oxidative Stress in Adipose Tissue with a Therapeutic Approach to Taking Antioxidant Supplements. 2021 , 10,	8
851	Cytokine storm associated coagulation complications in COVID-19 patients: Pathogenesis and Management. 2021 , 19, 1397-1413	13
850	The Interplay Between the Immune System, the Renin-Angiotensin-Aldosterone System (RAAS), and RAAS Inhibitors May Modulate the Outcome of COVID-19: A Systematic Review. 2021 , 61, 987-1000	6
849	ADAM17 inhibition prevents neutrophilia and lung injury in a mouse model of Covid-19.	2
848	SARS-CoV-2: Pathogenesis, Molecular Targets and Experimental Models. 2021 , 12, 638334	6
847	Severity of COVID-19 and Treatment Strategy for Patient With Diabetes. 2021 , 12, 602735	5
846	Features of HLA class I expression and its clinical relevance in SARS-CoV-2: What do we know so far?. 2021 , 31, e2236	4
845	COVID-19'DA ANTROAGIAN TEDAVI	

844	Predictors of Length of Hospital Stay, Mortality, and Outcomes Among Hospitalised COVID-19 Patients in Saudi Arabia: A Cross-Sectional Study. 2021 , 14, 839-852	22
843	Association of ACE inhibitors and angiotensin type II blockers with ACE2 overexpression in COVID-19 comorbidities: A pathway-based analytical study. 2021 , 896, 173899	11
842	Renin Angiotensin Aldosterone System Antagonism in 2019 Novel Coronavirus Acute Lung Injury. 2021 , 8, ofab170	1
841	The complex combination of COVID-19 and diabetes: pleiotropic changes in glucose metabolism. 2021 , 72, 317-325	8
840	Genetics Insight for COVID-19 Susceptibility and Severity: A Review. 2021 , 12, 622176	34
839	Thromboinflammatory Biomarkers in COVID-19: Systematic Review and Meta-analysis of 17,052 Patients. 2021 , 5, 388-402	26
838	COVID-19 pathophysiology may be driven by an imbalance in the renin-angiotensin-aldosterone system. 2021 , 12, 2417	28
837	Role of phytoconstituents in the management of COVID-19. 2021 , 341, 109449	9
836	Soluble Angiotensin-Converting Enzyme 2, Cardiac Biomarkers, Structure, and Function, and Cardiovascular Events (from the Atherosclerosis Risk in Communities Study). 2021 , 146, 15-21	5
835	Scrutinizing Coronaviruses Using Publicly Available Bioinformatic Tools: The Viral Structural Proteins as a Case Study. 2021 , 8, 671923	
834	ACE2-based decoy receptors for SARS coronavirus 2. 2021 , 89, 1065-1078	4
833	The Notch Pathway: A Link Between COVID-19 Pathophysiology and Its Cardiovascular Complications. 2021 , 8, 681948	4
832	Diabetes and hypertension: Pivotal involvement of purinergic signaling. 2021 , 137, 111273	11
831	Targeting RAGE to prevent SARS-CoV-2-mediated multiple organ failure: Hypotheses and perspectives. 2021 , 272, 119251	14
830	Repurposed drug against COVID-19: nanomedicine as an approach for finding new hope in old medicines. 2021 , 2, 022007	2
829	The role and significance of angiotensin-converting enzyme 2 peptides in the treatment of coronavirus disease 2019. 2021 , 35, e23789	1
828	Immunological and physiopathological approach of COVID-19 in pregnancy. 2021 , 304, 39-57	8
827	Current understanding on molecular drug targets and emerging treatment strategy for novel coronavirus-19. 2021 , 394, 1383-1402	0

826	Association of endothelial activation assessed through endothelin-I precursor peptide measurement with mortality in COVID-19 patients: an observational analysis. 2021 , 22, 148	1
825	Implications of ADAM17 activation for hyperglycaemia, obesity and type 2 diabetes. 2021 , 41,	2
824	COVID-19 and diabetes: A bidirectional relationship. 2021 , 33, 151-157	3
823	Targeting the viral-entry facilitators of SARS-CoV-2 as a therapeutic strategy in COVID-19. 2021 , 93, 5260-52768	
822	Incidence, risk factors and prognostic effect of imaging right ventricular involvement in patients with COVID-19: a dose-response analysis protocol for systematic review. 2021 , 11, e049866	
821	The Duplicitous Nature of ACE2 in COVID-19 Disease. 2021 , 67, 103356	4
820	Pathophysiological Association of Endothelial Dysfunction with Fatal Outcome in COVID-19. 2021 , 22,	9
819	Zebrafish as a Translational Model: An Experimental Alternative to Study the Mechanisms Involved in Anosmia and Possible Neurodegenerative Aspects of COVID-19?. 2021 , 8,	4
818	Insights into Nuclear G-Protein-Coupled Receptors as Therapeutic Targets in Non-Communicable Diseases. 2021 , 14,	3
817	Proteomic profiling for detection of early-stage heart failure in the community. 2021 , 8, 2928-2939	1
816	Anti-SARS-CoV-2 Natural Products as Potentially Therapeutic Agents. 2021 , 12, 590509	9
815	Therapeutic approaches targeting renin-angiotensin system in sepsis and its complications. 2021 , 167, 105409	4
814	Plausible blockers of Spike RBD in SARS-CoV2-molecular design and underlying interaction dynamics from high-level structural descriptors. 2021 , 27, 191	1
813	Repurposing metformin for covid-19 complications in patients with type 2 diabetes and insulin resistance. 2021 , 43, 265-270	2
812	Management of patients with digestive diseases during the COVID-19 pandemic. Clinical Practice Guidelines by the Russian scientiĭ medical society of internal medicine (RSMSIM) and the Gastroenterological Scientiĭ Society of Russia (2nd edition). 2021 , 5-82	5
811	A super-potent tetramerized ACE2 protein displays enhanced neutralization of SARS-CoV-2 virus infection. 2021 , 11, 10617	9
810	Identification of potential inhibitors of SARS-CoV-2 S protein-ACE2 interaction by drug repurposing.. 2021 , 10,	
809	Vitamin D and COVID-19: Role of ACE2, age, gender, and ethnicity. 2021 , 93, 5285-5294	14

808	Case Report: Changes of Vascular Reactivity and Arterial Stiffness in a Patient With Covid-19 Infection. 2021 , 8, 671669	10
807	Exploring the Mystery of Angiotensin-Converting Enzyme II (ACE2) in the Battle against SARS-CoV-2. 2021 , 2021, 9939929	1
806	Drug Repurposing for the Treatment of COVID-19: A Knowledge Graph Approach. 2021 , 4, 2100055	3
805	Angiotensin-converting enzyme 2 receptors, chronic liver diseases, common medications, and clinical outcomes in coronavirus disease 2019 patients. 2021 , 10, 86-96	1
804	Immunological Aspects of SARS-CoV-2 Infection and the Putative Beneficial Role of Vitamin-D. 2021 , 22,	8
803	. 2021 , 193, E813-E822	1
802	Female Patients With Sleep-Disordered Breathing Display More Frequently Heart Failure With Preserved Ejection Fraction. 2021 , 8, 675987	2
801	Mechanism of Ligand Recognition by Human ACE2 Receptor. 2021 , 12, 4814-4822	3
800	Expression of ACE2 in the Intact and Acutely Injured Kidney.. 2021 , 2, 1095-1106	3
799	History of heart failure in patients with coronavirus disease 2019: Insights from a French registry. 2021 , 114, 415-425	4
798	Computational designing of a peptide that potentially blocks the entry of SARS-CoV, SARS-CoV-2 and MERS-CoV. 2021 , 16, e0251913	6
797	Design and Numerical Analysis of a Graphene-Coated SPR Biosensor for Rapid Detection of the Novel Coronavirus. 2021 , 21,	15
796	Pathophysiological mechanisms underlying gastrointestinal symptoms in patients with COVID-19. 2021 , 27, 2341-2352	10
795	Natural Products Modulating Angiotensin Converting Enzyme 2 (ACE2) as Potential COVID-19 Therapies. 2021 , 12, 629935	6
794	Distinct immune responses in patients infected with influenza or SARS-CoV-2, and in COVID-19 survivors, characterised by transcriptomic and cellular abundance differences in blood.	
793	Induced dysregulation of ACE2 by SARS-CoV-2 plays a key role in COVID-19 severity. 2021 , 137, 111363	18
792	Curcumin as a Potential Treatment for COVID-19. 2021 , 12, 675287	22
791	Association between cardiometabolic risk factors and COVID-19 susceptibility, severity and mortality: a review. 2021 , 20, 1-23	9

790	Clinical characteristics of COVID-19 in family clusters: a systematic review. 2021 , 17, 355-363	2
789	The Significance of Angiotensin-Converting Enzyme-2 (ACE2) in SARSCov- 2 Infection and COVID-19. 2021 , 2,	
788	COVID-19-related cardiac complications from clinical evidences to basic mechanisms: opinion paper of the ESC Working Group on Cellular Biology of the Heart. 2021 , 117, 2148-2160	8
787	The potential for Lactoferrin to reduce SARS-CoV-2 induced cytokine storm. 2021 , 95, 107571	16
786	Hyperactivated RAGE in Comorbidities as a Risk Factor for Severe COVID-19-The Role of RAGE-RAS Crosstalk. 2021 , 11,	8
785	Updating MoonProt From Home: An Online Student Research Project During the COVID-19 Pandemic. 2021 , 2, 23-27	
784	Evidence For and Against Direct Kidney Infection by SARS-CoV-2 in Patients with COVID-19. 2021 , 16, 1755-1765	15
783	Angiotensin-converting enzyme-1 gene insertion/deletion polymorphism may be associated with COVID-19 clinical severity: a prospective cohort study. 2021 , 41, 141-146	7
782	SARS-CoV-2 Host Receptor ACE2 Protein Expression Atlas in Human Gastrointestinal Tract. 2021 , 9, 659809	3
781	COVID-19 morbidity and severity in patients with age-related macular degeneration: a Korean nationwide cohort study. 2021 , 11881	2
780	The Immunopathobiology of SARS-CoV-2 Infection. 2021 , 45,	1
779	SARS-CoV-2 Infection and Placental Pathology. 2021 , 43, 474-479	1
778	Landscape of SARS-CoV-2 spike protein-interacting cells in human tissues. 2021 , 95, 107567	10
777	Clinical frailty scale as a point of care prognostic indicator of mortality in COVID-19: a systematic review and meta-analysis. 2021 , 36, 100896	12
776	Role of SARS-CoV-2 and ACE2 variations in COVID-19. 2021 , 44, 235-244	8
775	Natural products and phytochemicals as potential anti-SARS-CoV-2 drugs. 2021 , 35, 5384-5396	16
774	The Role of Coronavirus RNA-Processing Enzymes in Innate Immune Evasion. 2021 , 11,	2
773	Cardiovascular and Renal Risk Factors and Complications Associated With COVID-19. 2021 , 3, 1257-1272	3

772	Hypothesis: Designation of Liposomal Scavenger System for Fighting against 2019-nCoV. 2021,	
771	ABO phenotype and SARS-CoV-2 infection: Is there any correlation?. 2021, 90, 104751	0
770	Electrocardiography on admission is associated with poor outcomes in coronavirus disease 2019 (COVID-19) patients: A systematic review and meta-analysis. 2021, 37, 877-885	4
769	Identification of ACE2 modifiers by CRISPR screening. 2021,	2
768	Importance of hyperglycemia in COVID-19 intensive-care patients: Mechanism and treatment strategy. 2021, 15, 409-416	18
767	Lung-Centric Inflammation of COVID-19: Potential Modulation by Vitamin D. 2021, 13,	8
766	Updates on clinical trials evaluating the regenerative potential of allogenic mesenchymal stem cells in COVID-19. 2021, 6, 37	10
765	SARS-CoV-2 induced necrotizing pancreatitis. 2021, 156, 629-630	3
764	Neuromodulatory effects of SARS-CoV2 infection: Possible therapeutic targets. 2021, 25, 509-519	
763	Kinases as Potential Therapeutic Targets for Anti-coronaviral Therapy. 2021,	13
762	Angiotensin-converting enzyme 2: a key enzyme in key organs. 2022, 23, 1-11	1
761	Integrin: An Intriguing Target for COVID-19 and Related Diseases. 2021, 22, 2516-2520	3
760	Regulated Intramembrane Proteolysis of ACE2: A Potential Mechanism Contributing to COVID-19 Pathogenesis?. 2021, 12, 612807	7
759	Thrombosis in Covid-19 and non-Covid-19 pneumonia: role of platelets. 2021, 32, 1009-1017	3
758	ACE2 and Apelin-13: Biomarkers with a Prognostic Value in Congestive Heart Failure. 2021, 2021, 5569410	1
757	Angiotensin II Type 2 Receptor: A Target for Protection Against Hypertension, Metabolic Dysfunction, and Organ Remodeling. 2021, 77, 1845-1856	11
756	Defibrotide: potential for treating endothelial dysfunction related to viral and post-infectious syndromes. 2021, 25, 423-433	2
755	Drug delivery systems as immunomodulators for therapy of infectious disease: Relevance to COVID-19. 2021, 178, 113848	2

754	Metal Complexes as Antiviral Agents for SARS-CoV-2. 2021 , 22, 2600-2607	12
753	Sex and kidney ACE2 expression in primary focal segmental glomerulosclerosis: A NEPTUNE study. 2021 , 16, e0252758	1
752	Mutations and polymorphisms in genes involved in the infections by covid 19: a review. 2021 , 23, 101062	3
751	SARS-CoV-2 Spike Protein Suppresses ACE2 and Type I Interferon Expression in Primary Cells From Macaque Lung Bronchoalveolar Lavage. 2021 , 12, 658428	9
750	Coronary microvascular dysfunction pathophysiology in COVID-19. 2021 , 28, e12718	10
749	The Prothrombotic State Associated with SARS-CoV-2 Infection: Pathophysiological Aspects. 2021 , 13, e2021045	3
748	Biologia Futura: is ADAM 17 the reason for COVID-19 susceptibility in hyperglycemic and diabetic patients?. 2021 , 72, 291-297	2
747	Genetic and epigenetic control of ACE2 expression and its possible role in COVID-19. 2021 , 39, 713-726	7
746	Imaging Cardiovascular Inflammation in the COVID-19 Era. 2021 , 11,	2
745	SARS-CoV-2 induced necrotizing pancreatitis. 2021 , 156, 629-630	
744	Angiotensin II Receptor Blockers (ARBs Antihypertensive Agents) Increase Replication of SARS-CoV-2 in Vero E6 Cells. 2021 , 11, 639177	3
743	SARS-CoV-2 signaling pathway map: A functional landscape of molecular mechanisms in COVID-19. 2021 , 15, 601-608	3
742	Role of vitamins and minerals as immunity boosters in COVID-19. 2021 , 29, 1001-1016	29
741	Expression of the SARS-CoV-2 Receptor ACE2 in Human Retina and Diabetes-Implications for Retinopathy. 2021 , 62, 6	7
740	Astemizole as a drug to inhibit the effect of SARS-COV-2 in vitro. 2021 , 156, 104929	2
739	Probiotic consortia improve anti-viral immunity to SARS-CoV-2 in Ferrets.	
738	Machine Learning Algorithms are Superior to Conventional Regression Models in Predicting Risk Stratification of COVID-19 Patients. 2021 , 14, 3159-3166	3
737	Predictors of Worsening Oxygenation in COVID-19. 2021 , 84, 250-251	1

736	Liver dysfunction and SARS-CoV-2 infection. 2021 , 27, 3951-3970	4
735	Prevalence of Olfactory and Gustatory Dysfunction in Coronavirus Disease (COVID-19): A Cross Sectional Study in Our Tertiary Care Hospital. 2021 , 1-4	2
734	Food-Derived Bioactive Peptides: A Promising Substitute to Chemosynthetic Drugs Against the Dysregulated Renin-Angiotensin System in COVID-19 Patients. 2021 , 11, 325-355	1
733	IL-10 and IL-12 (P70) Levels Predict the Risk of Covid-19 Progression in Hypertensive Patients: Insights From the BRACE-CORONA Trial. 2021 , 8, 702507	2
732	Therapeutic antibodies under development for SARS-CoV-2. 2021 , 20200178	2
731	Danshensu alleviates pseudo-typed SARS-CoV-2 induced mouse acute lung inflammation. 2021 ,	4
730	A Comprehensive Review of COVID-19 Virology, Vaccines, Variants, and Therapeutics. 2021 , 1	28
729	Cardiac Manifestations in COVID-19 Patients: A Focus on the Pediatric Population. 2021 , 2021, 5518979	4
728	CT Diagnosis of Complications Arising from the Natural History and Treatment of COVID-19. 2021 , 102, 183-195	
727	Clinical outcomes of hospitalized COVID-19 patients with renal injury: a multi-hospital observational study from Wuhan. 2021 , 11, 15205	0
726	The impact of the COVID-19 pandemic on dementia risk: Potential pathways to cognitive decline. 2021 ,	2
725	Emerging Approaches to Understanding Microvascular Endothelial Heterogeneity: A Roadmap for Developing Anti-Inflammatory Therapeutics. 2021 , 22,	3
724	Altered oral and gut microbiota and its association with SARS-CoV-2 viral load in COVID-19 patients during hospitalization. 2021 , 7, 61	40
723	Therapy of Type 2 Diabetes in Patients with SARS-CoV-2 Infection. 2021 , 22,	8
722	Pathogenesis of the initial stages of severe COVID-19. 2021 , 12, 83-102	2
721	Modulation of Host Immune Response Is an Alternative Strategy to Combat SARS-CoV-2 Pathogenesis. 2021 , 12, 660632	1
720	ACE2 Down-Regulation May Act as a Transient Molecular Disease Causing RAAS Dysregulation and Tissue Damage in the Microcirculatory Environment Among COVID-19 Patients. 2021 , 191, 1154-1164	9
719	Hypertension as Three Systematic Dysregulations of Na ⁺ Homeostasis in Terrestrial Mammal, and Salt in Gut Might Cause Brain Inflammation.	0

718	A Contemporary View of Natriuretic Peptides in the SARS-CoV-2 Era. 2021 , 12, 643721	4
717	Evaluation of pathophysiological relationships between renin-angiotensin and ACE-ACE2 systems in cardiovascular disorders: from theory to routine clinical practice in patients with heart failure. 2021 , 58, 530-545	2
716	Broadening COVID-19 Interventions to Drug Innovation: Neprilysin Pathway as a Friend, Foe, or Promising Molecular Target?. 2021 , 25, 408-416	3
715	Functional ACE2 deficiency leading to angiotensin imbalance in the pathophysiology of COVID-19. 2021 , 1	6
714	Tetraciclinas: ¿Antibióticos de uso potencial en la COVID-19?. 62, 69-84	
713	SD-OCT assessment of macular and optic nerve alterations in patients recovered from COVID-19. 2021 ,	1
712	Adventitial Microcirculation Is a Major Target of SARS-CoV-2-Mediated Vascular Inflammation. 2021 , 11,	3
711	Heart Angiotensin-Converting Enzyme and Angiotensin-Converting Enzyme 2 Gene Expression Associated With Male Sex and Salt-Sensitive Hypertension in the Dahl Rat. 2021 , 12, 663819	0
710	Multiple Sclerosis, Disease-Modifying Therapies and COVID-19: A Systematic Review on Immune Response and Vaccination Recommendations. 2021 , 9,	8
709	Food Enrichment with Extract Suppresses ACE2 mRNA and Protein Expression in Rats-Possible Implications for COVID-19. 2021 , 13,	4
708	COVID-19-induced acute renal tubular injury associated with elevation of serum inflammatory cytokine. 2021 , 25, 1240-1246	4
707	Original Hosts, Clinical Features, Transmission Routes, and Vaccine Development for Coronavirus Disease (COVID-19). 2021 , 8, 702066	3
706	Soluble angiotensin-converting enzyme 2 is transiently elevated in COVID-19 and correlates with specific inflammatory and endothelial markers. 2021 , 93, 5908-5916	17
705	In-depth review of cardiopulmonary support in COVID-19 patients with heart failure. 2021 , 13, 299-309	
704	Synthesis, Physicochemical Characterization, In Vitro 2D/3D Human Cell Culture, and In Vitro Aerosol Dispersion Performance of Advanced Spray Dried and Co-Spray Dried Angiotensin (1-7) Peptide and PNA5 with Trehalose as Microparticles/Nanoparticles for Targeted Respiratory Delivery as Dry Powder Inhalers. 2021 , 13,	2
703	COVID-19: A Serious Vascular Disease with Primary Symptoms of a Respiratory Ailment. 2021 , 6, 1099-1104	0
702	HIF1alpha Cardioprotection in COVID-19 Patients.	
701	Gut Microbiota Dysbiosis Is a Crucial Player for the Poor Outcomes for COVID-19 in Elderly, Diabetic and Hypertensive Patients. 2021 , 8, 644751	3

700	Covid 19: Diet Composition and Health. 2021 , 13,	7
699	Angiotensinogen Takes Some of the Spotlight From Angiotensin II in the Cardiohepatic Axis. <i>Circulation Research</i> , 2021 , 129, 565-567	15.7
698	COVID-19 and ROS Storm: What is the Forecast for Hypertension. 2021 , 34, 779-782	0
697	A broadly neutralizing humanized ACE2-targeting antibody against SARS-CoV-2 variants. 2021 , 12, 5000	7
696	Acute Ischemic Stroke With Central Retinal Artery Occlusion as a Rare Presentation of COVID-19 Disease. 2021 , 13, e17469	1
695	Host Serine Proteases: A Potential Targeted Therapy for COVID-19 and Influenza. 2021 , 8, 725528	7
694	Renin-angiotensin system modulators in COVID-19 patients with hypertension: friend or foe?. 2021 , 1-10	2
693	Elabela prevents angiotensin II-induced apoptosis and inflammation in rat aortic adventitial fibroblasts via the activation of FGF21-ACE2 signaling. 2021 , 52, 905-918	1
692	Nervous System-Systemic Crosstalk in SARS-CoV-2/COVID-19: A Unique Dyshomeostasis Syndrome. 2021 , 15, 727060	0
691	Anti-SARS-CoV-2 Strategies and the Potential Role of miRNA in the Assessment of COVID-19 Morbidity, Recurrence, and Therapy. 2021 , 22,	3
690	The Impact of () Expression Levels in Patients with Comorbidities on COVID-19 Severity: A Comprehensive Review. 2021 , 9,	3
689	Host variations in SARS-CoV-2 infection. 2021 , 45, 404-424	1
688	Discontinuation versus continuation of renin-angiotensin-system inhibitors in COVID-19 (ACEI-COVID): a prospective, parallel group, randomised, controlled, open-label trial. 2021 , 9, 863-872	33
687	Abnormal apelin-ACE2 and SGLT2 signaling contribute to adverse cardiorenal injury in patients with COVID-19. 2021 , 336, 123-129	1
686	Factors associated with development of symptomatic disease in Ethiopian COVID-19 patients: a case-control study. 2021 , 21, 759	3
685	Susceptibility of β -Thalassemia Heterozygotes to COVID-19. 2021 , 10,	1
684	MicroRNA-28-3p inhibits angiotensin-converting enzyme 2 ectodomain shedding in 293T cells treated with the spike protein of severe acute respiratory syndrome coronavirus 2 by targeting A disintegrin and metalloproteinase 17. 2021 , 48,	0
683	A model of the innate immune response to SARS-CoV-2 in the alveolar epithelium. 2021 , 8, 210090	1

682	In-depth review of cardiopulmonary support in COVID-19 patients with heart failure. 2021 , 13, 298-308	2
681	Autoantibodies against ACE2 and angiotensin type-1 receptors increase severity of COVID-19. 2021 , 122, 102683	15
680	[Kidney damage in COVID-19]. 2021 , 17, 203-207	0
679	The Risk of Neuraxial Anesthesia-Related Hypotension in COVID-19 Parturients Undergoing Cesarean Delivery: A Multicenter, Retrospective, Propensity Score Matched Cohort Study. 2021 , 8, 713733	0
678	An Analysis Based on Molecular Docking and Molecular Dynamics Simulation Study of Bromelain as Anti-SARS-CoV-2 Variants. 2021 , 12, 717757	9
677	Diabetes increases the risk of COVID-19 in an altitude dependent manner: An analysis of 1,280,806 Mexican patients. 2021 , 16, e0255144	4
676	Myocardial fibrosis reversion via rhACE2-electrospun fibrous patch for ventricular remodeling prevention. 2021 , 6, 44	3
675	Classical and Counter-Regulatory Renin-Angiotensin System: Potential Key Roles in COVID-19 Pathophysiology. 2021 , 3, 1060-1074	2
674	Investigating Neurological Manifestations of SARS-CoV-2. 2021 , 1	
673	Applications of laboratory findings in the prevention, diagnosis, treatment, and monitoring of COVID-19. 2021 , 6, 316	4
672	Pathophysiology of COVID-19: Everywhere You Look You Will See ACE!. 2021 , 8, 694029	1
671	Long COVID-19 Syndrome: A Comprehensive Review of Its Effect on Various Organ Systems and Recommendation on Rehabilitation Plans. 2021 , 9,	25
670	Azelastine inhibits viropexis of SARS-CoV-2 spike pseudovirus by binding to SARS-CoV-2 entry receptor ACE2. 2021 , 560, 110-115	2
669	Human respiratory viral infections: Current status and future prospects of nanotechnology-based approaches for prophylaxis and treatment. 2021 , 278, 119561	3
668	The rapid adaptation of SARS-CoV-2-rise of the variants: transmission and resistance. 2021 , 59, 807-818	11
667	Increased Angiotensin-Converting Enzyme 2 and Loss of Alveolar Type II Cells in COVID-19-related Acute Respiratory Distress Syndrome. 2021 , 204, 1024-1034	16
666	An Adverse Outcomes Approach to Study the Effects of SARS-CoV-2 in 3D Organoid Models. 2021 , 434, 167213	0
665	Crosstalk of TLR4, vascular NADPH oxidase, and COVID-19 in diabetes: What are the potential implications?. 2021 , 139, 106879	2

664	Aquatic Biota Is Not Exempt from Coronavirus Infections: An Overview. 2021 , 13, 2215	1
663	Computational study for identifying promising therapeutic agents of hydroxychloroquine analogues against SARS-CoV-2. 2021 , 1-15	1
662	Impact of covid-19 on mental health and aging. 2021 , 28, 7046-7053	
661	Cell-Free Hemoglobin Does Not Attenuate the Effects of SARS-CoV-2 Spike Protein S1 Subunit in Pulmonary Endothelial Cells. 2021 , 22,	4
660	Expression pattern and function of SARS-CoV-2 Receptor ACE2. 2021 , 3, 312-312	1
659	Aortic Pathology During COVID - 19 Pandemics. Clinical Reports in Literature and Open Questions on the two Co-Occurring Conditions. 2021 , 75, 109-119	2
658	Persistent Endothelial Dysfunction in Post-Acute COVID-19 Syndrome: A Case-Control Study. 2021 , 9,	21
657	Natural Bioactive Molecules as Potential Agents Against SARS-CoV-2. 2021 , 12, 702472	1
656	COVID-19 Immunobiology: Lessons Learned, New Questions Arise. 2021 , 12, 719023	7
655	Age-Associated Increase in Thrombogenicity and Its Correlation with von Willebrand Factor. 2021 , 10,	5
654	COVID-19 and the cardiovascular system: insights into effects and treatments. 2021 , 99, 1119-1127	1
653	Preliminary Evidence for IL-10-Induced ACE2 mRNA Expression in Lung-Derived and Endothelial Cells: Implications for SARS-Cov-2 ARDS Pathogenesis. 2021 , 12, 718136	4
652	Inflammatory Bowel Disease Clinical Activity Is Associated with COVID-19 Severity Especially in Younger Patients. 2021 ,	2
651	Cardiac and Renal SARS-CoV-2 Viral Entry Protein Regulation by Androgens and Diet: Implications for Polycystic Ovary Syndrome and COVID-19. 2021 , 22,	0
650	Persistent oxidative stress and inflammasome activation in CD14highCD16- monocytes from COVID-19 patients.	
649	Acute and chronic dysimmune polyneuropathies in the context of the COVID-19 pandemic: pathogenesis, features of the clinical picture, diagnosis and therapy (literature review). 2021 , 11, 17-27	2
648	Recent advances in SARS-CoV-2 Spike protein and RBD mutations comparison between new variants Alpha (B.1.1.7, United Kingdom), Beta (B.1.351, South Africa), Gamma (P.1, Brazil) and Delta (B.1.617.2, India). 2021 , 7, 100054	23
647	ACE Inhibitor-induced Dry Cough and Dysgeusia: COVID-19 Symptom Mimickers A Case Series. 2021 , 8, 49-51	

646	Accumulating Impact of Smoking and Co-morbidities on Severity and Mortality of COVID-19 Infection: A Systematic Review and Meta-analysis.. 2021 , 22, 339-352	2
645	Manifestations and mechanisms of central nervous system damage caused by SARS-CoV-2. 2021 , 177, 155-163	0
644	The Impact of Obesity on SARS-CoV-2 Pandemic Mortality Risk. 2021 , 13,	1
643	Therapeutic Potential of Annexins in Sepsis and COVID-19. 2021 , 12, 735472	2
642	F-FDG-PET/CT in SARS-CoV-2 infection and its sequelae. 2021 , 40, 299-309	5
641	The pivotal link between ACE2 deficiency and SARS-CoV-2 infection: One year later. 2021 , 93, 28-34	7
640	The Impact of COVID-19 Infection on Oxygen Homeostasis: A Molecular Perspective. 2021 , 12, 711976	3
639	Current Data on the Directions of Therapy of Essential Hypertension in Patients with Metabolic Syndrome and COVID-19 and Possibilities for Prevention of Long-Term Complications. 2021 , 6, 6-14	
638	Pattern Recognition Proteins: First Line of Defense Against Coronaviruses. 2021 , 12, 652252	4
637	Histopathological features of SARS-CoV-2 infection and relationships with organoid technology. 2021 , 49, 3000605211044382	
636	Diabetes and COVID-19: Role of insulin resistance as a risk factor for COVID-19 severity. 2021 , 12, 1550-1562	1
635	18F-FDG-PET/TC ante la infecci3n por SARS-CoV-2 y sus secuelas. 2021 , 40, 299-309	78
634	Angiotensin-Converting Enzyme 2 (SARS-CoV-2 receptor) expression in human skeletal muscle. 2021 , 31, 2249-2258	3
633	ACE2 in the Gut: The Center of the 2019-nCoV Infected Pathology. 2021 , 8, 708336	3
632	Zinc supplementation augments the suppressive effects of repurposed NF- κ B inhibitors on ACE2 expression in human lung cell lines. 2021 , 280, 119752	4
631	Coronavirus disease 2019 and the gut-lung axis. 2021 , 113, 300-307	3
630	The impact of ACE2 genetic polymorphisms (rs2106809 and rs2074192) on gender susceptibility to COVID-19 infection and recovery: A systematic review. 2021 , 2, 166-179	2
629	Gut microbiota and renin-angiotensin system: a complex interplay at local and systemic levels. 2021 , 321, G355-G366	11

628	Exploring the interaction of quercetin-3-O-sophoroside with SARS-CoV-2 main proteins by theoretical studies: A probable prelude to control some variants of coronavirus including Delta.. 2021 , 14, 103353	2
627	Extracellular Vesicle-Based Therapy for COVID-19: Promises, Challenges and Future Prospects. 2021 , 9,	3
626	Neurological Effects of COVID-19 in Children. 2021 , 68, 1081-1091	2
625	Factors regulating dynamics of angiotensin-converting enzyme-2 (ACE2), the gateway of SARS-CoV-2: Epigenetic modifications and therapeutic interventions by epidrugs. 2021 , 143, 112095	7
624	Current status, advances, challenges and perspectives on biosensors for COVID-19 diagnosis in resource-limited settings.. 2021 , 3, 100025	5
623	Co-expression of the SARS-CoV-2 entry molecules ACE2 and TMPRSS2 in human ovaries: Identification of cell types and trends with age. 2021 , 113, 3449-3460	3
622	COVID-19 in pregnancy: What we know from the first year of the pandemic. 2021 , 1867, 166248	2
621	Viral Infection of the Reproductive System in Times of COVID-19. 2022 , 176-196	
620	Renin Angiotensin System, Gut-Lung Cross Talk and Microbiota. Lessons from SARS-CoV Infections.	1
619	New coronavirus infection in the aspect of psoriasis. 2021 , 20, 77	
618	Zinc supplement augments the suppressive effects of repurposed drugs of NF-kappa B inhibitor on ACE2 expression in human lung cell lines in vitro.	1
617	Dependence of SARS-CoV-2 infection on cholesterol-rich lipid raft and endosomal acidification. 2021 , 19, 1933-1943	18
616	SARS-CoV-2 Seroconversion and Viral Clearance in Patients Hospitalized With COVID-19: Viral Load Predicts Antibody Response. 2021 , 8, ofab005	25
615	The ancient cardioprotective mechanisms of ACE2 bestow SARS-CoV-2 with a wide host range.	
614	Gastrointestinal Manifestations of COVID-19. 2021 , 1-14	
613	Challenge of post-COVID era: management of cardiovascular complications in asymptomatic carriers of SARS-CoV-2. 2021 , 1	4
612	Genetic and epigenetic concept of SARS-CoV-2 targets in different renal cancer subtypes. 2021 , 46, 145-155	
611	Clinical evaluation of SARS-CoV-2 lung HRCT and RT-PCR Techniques: Towards risk factor based diagnosis of infectious diseases. 2021 , 19, 2699-2707	3

610	Pure SARS-CoV-2 related AVDS (Acute Vascular Distress Syndrome). 2021 , 21, 122	7
609	Atmospheric PM2.5 before and after Lockdown in relation to COVID-19 Evolution and daily Viral Counts: Could Viral Natural Selection have occurred due to changes in the Airborne Pollutant PM2.5 acting as a Vector for SARS-CoV-2?.	1
608	Degradation of SARS-CoV-2 receptor ACE2 by the E3 ubiquitin ligase Skp2 in lung epithelial cells. 2021 , 15, 252-263	7
607	The SARS-Coronavirus Infection Cycle: A Survey of Viral Membrane Proteins, Their Functional Interactions and Pathogenesis. 2021 , 22,	35
606	Predictors of mortality in hospitalized COVID-19 patients: A systematic review and meta-analysis. 2020 , 92, 1875-1883	265
605	Mega doses of retinol: A possible immunomodulation in Covid-19 illness in resource-limited settings. 2021 , 31, 1-14	8
604	Current approaches used in treating COVID-19 from a molecular mechanisms and immune response perspective. 2020 , 28, 1333-1352	11
603	The COVID-19 Pandemic: Consideration for Brain Infection. 2020 , 437, 130-131	32
602	Neonatal hyperoxia enhances age-dependent expression of SARS-CoV-2 receptors in mice. 2020 , 10, 22401	11
601	Discovery and characterization of ACE2 - a 20-year journey of surprises from vasopeptidase to COVID-19. 2020 , 134, 2489-2501	10
600	Interaction between the apelinergic system and ACE2 in the cardiovascular system: therapeutic implications. 2020 , 134, 2319-2336	10
599	ACE2, the kidney and the emergence of COVID-19 two decades after ACE2 discovery. 2020 , 134, 2791-2805	7
598	ACE2, angiotensin 1-7 and skeletal muscle: review in the era of COVID-19. 2020 , 134, 3047-3062	15
597	ACE2 as therapeutic agent. 2020 , 134, 2581-2595	4
596	Twenty years of progress in angiotensin converting enzyme 2 and its link to SARS-CoV-2 disease. 2020 , 134, 2645-2664	6
595	Unpuzzling COVID-19: tissue-related signaling pathways associated with SARS-CoV-2 infection and transmission. 2020 , 134, 2137-2160	38
594	Correcting the imbalanced protective RAS in COVID-19 with angiotensin AT2-receptor agonists. 2020 , 134, 2987-3006	19
593	ACE2: from protection of liver disease to propagation of COVID-19. 2020 , 134, 3137-3158	15

592	Is Spironolactone the Preferred Renin-Angiotensin-Aldosterone Inhibitor for Protection Against COVID-19?. 2020 , 77, 323-331	11
591	Relationship between digestive diseases and COVID-19 severity and mortality: A protocol for systematic review and meta-analysis. 2020 , 99, e23353	1
590	Internal treatment in traditional Chinese medicine for patients with COVID-19: A protocol for systematic review and meta-analysis. 2020 , 99, e23739	4
589	ACE2 polymorphisms and individual susceptibility to SARS-CoV-2 infection: insights from an in silico study.	22
588	SARS-CoV-2 receptor networks in diabetic and COVID-19 associated kidney disease. 2020 ,	2
587	ACE2 interaction networks in COVID-19: a physiological framework for prediction of outcome in patients with cardiovascular risk factors.	4
586	Association Between ACEIs or ARBs Use and Clinical Outcomes in COVID-19 Patients: A Systematic Review and Meta-analysis.	3
585	Changes in non-linear and time-domain heart rate variability indices between critically ill COVID-19 and all-cause sepsis patients ▯ retrospective study.	3
584	Persistence of viral RNA, widespread thrombosis and abnormal cellular syncytia are hallmarks of COVID-19 lung pathology.	10
583	High expression of angiotensin-converting enzyme-2 (ACE2) on tissue macrophages that may be targeted by virus SARS-CoV-2 in COVID-19 patients.	8
582	Lethality of SARS-CoV-2 infection in K18 human angiotensin converting enzyme 2 transgenic mice.	9
581	Neonatal hyperoxia enhances age-dependent expression of SARS-CoV-2 receptors in mice. 2020 ,	4
580	Clinical Utility of a Highly Sensitive Lateral Flow Immunoassay as determined by Titer Analysis for the Detection of anti-SARS-CoV-2 Antibodies at the Point-of-Care. 2020 ,	2
579	Preclinical efficacy and safety analysis of gamma-irradiated inactivated SARS-CoV-2 vaccine candidates.	3
578	Safety and Efficacy of the combined use of ivermectin, dexamethasone, enoxaparin and aspirin against COVID 19.	12
577	Angiotensin-converting enzyme 2 (ACE2) is upregulated in Alzheimer's disease brain. 2020 ,	13
576	COVID-19 Disease Severity and Associated Factors among Ethiopian Patients: A study of the Millennium COVID-19 Care Center.	4
575	Degradation of SARS-CoV-2 receptor ACE2 by tobacco carcinogen-induced Skp2 in lung epithelial cells.	1

574	Targeting androgen regulation of TMPRSS2 and ACE2 as a therapeutic strategy to combat COVID-19.	2
573	COVID-19 Disease Map, a computational knowledge repository of SARS-CoV-2 virus-host interaction mechanisms.	4
572	Amino acid transporter B0AT1 influence on ADAM17 interactions with SARS-CoV-2 receptor ACE2 putatively expressed in intestine, kidney, and cardiomyocytes.	2
571	TMPRSS2 and ADAM17 interactions with ACE2 complexed with SARS-CoV-2 and B0AT1 putatively in intestine, cardiomyocytes, and kidney.	1
570	The metabolic fingerprint of COVID-19 severity.	9
569	Correlation of Body Mass Index (BMI), initial neutralizing antibodies (nAb), ABO group and kinetics of nAb and anti-nucleocapsid (NP) SARS-CoV-2 antibodies in convalescent plasma (CCP) donors [A longitudinal study with proposals for better quality of CCP collections.	1
568	The COSEVAST Study: Unravelling the role of Arterial Stiffness in COVID-19 Disease severity.	3
567	Free SARS-CoV-2 Spike Protein S1 Particles May Play a Role in the Pathogenesis of COVID-19 Infection. 2021 , 86, 257-261	15
566	Phosphatidylserine inside out: a possible underlying mechanism in the inflammation and coagulation abnormalities of COVID-19. 2020 , 18, 190	10
565	Impact of sex and gender on COVID-19 outcomes in Europe. 2020 , 11, 29	496
564	Commentary for "Endocrine significance of SARS-CoV-2's Reliance on ACE2". 2021 , 162,	1
563	Kidney ACE2 expression: Implications for chronic kidney disease. 2020 , 15, e0241534	11
562	Clinical features and risk factors for severe inpatients with COVID-19: A retrospective study in China. 2020 , 15, e0244125	7
561	COVID-19, neutrophil extracellular traps and vascular complications in obstetric practice. 2020 , 48, 985-994	7
560	Humanized COVID-19 decoy antibody effectively blocks viral entry and prevents SARS-CoV-2 infection. 2021 , 13, e12828	20
559	Physiopathology of SARS-CoV-2-infection-associated thrombosis. 2020 , 19, e20200128	1
558	SARS-CoV-2 infections with emphasis on pediatric patients: a narrative review. 2020 , 62, e65	9
557	Commonalities Between COVID-19 and Radiation Injury. 2021 , 195, 1-24	12

556	Neuropathology of COVID-19 (neuro-COVID): clinicopathological update. 2021 , 2,	26
555	Molecular and cellular mechanisms of central nervous system alteration in COVID-19. 2020 , 9, 72-85	4
554	Role of angiotensin-converting enzyme 2 in neurodegenerative diseases during the COVID-19 pandemic. 2020 , 12, 24453-24461	4
553	Cardiovascular Considerations in Coronavirus Disease 2019 with a Special Focus on Arrhythmia. 2020 , 11, 4191-4198	3
552	Challenges and issues surrounding the use for translational research of human samples obtained during the COVID-19 pandemic from lung cancer patients. 2020 , 9, 1543-1553	4
551	Synergic Viral-Bacterial Co-Infection in Catalase-Deficient COVID-19 Patients Causes Suppressed Innate Immunity and Lung Damages Due to Detrimental Elevation of Hydrogen Peroxide Concentration.	5
550	Distribution of COVID-19 and Phylogenetic Tree Construction of SARS-CoV-2 in Indonesia. 2020 , 14, 1035-10426	
549	Management of patients with digestive diseases during the COVID-19 pandemic: Clinical Practice Guidelines by the Gastroenterological Scientific Society of Russia. 2020 , 4-51	14
548	A Disintegrin and Metalloproteinase-Control Elements in Infectious Diseases. 2020 , 7, 608281	4
547	Do Animals Play a Role in the Transmission of Severe Acute Respiratory Syndrome Coronavirus-2 (SARS-CoV-2)? A Commentary. 2020 , 11,	15
546	The Gut-Brain Axis in Autism Spectrum Disorder: A Focus on the Metalloproteases ADAM10 and ADAM17. 2020 , 22,	7
545	SARS-CoV-2 Spike Protein and Lung Vascular Cells. 2021 , 1, 40-48	4
544	COVID-19 clinical implications: the significance of nanomedicine. 2020 , 10, 137-138	6
543	Negative Correlation between Altitude and COVID-19 Pandemic in Colombia: A Preliminary Report. 2020 , 103, 2347-2349	18
542	Coronavirus disease 2019 (COVID-19) and immune-mediated inflammatory rheumatic diseases: at the crossroads of thromboinflammation and autoimmunity. 2020 , 58, 353-367	19
541	Hypertension and Electrolyte Disorders in Patients with COVID-19. 2020 , 18, 23-30	6
540	Male Fertility and the COVID-19 Pandemic: Systematic Review of the Literature. 2020 , 38, 506-520	37
539	Coronavirus disease 2019 (COVID-19): angiotensin-converting enzyme inhibitors, angiotensin II receptor blockers and cardiovascular disease. 2020 , 212, 502-503.e1	5

538	17Estradiol, a potential ally to alleviate SARS-CoV-2 infection. 2020 , 75, e1980	41
537	COVID-19 and Liver Damage: Narrative Review and Proposed Clinical Protocol for Critically ill Pediatric Patients. 2020 , 75, e2250	5
536	Obesity and diabetes as comorbidities for COVID-19: Underlying mechanisms and the role of viral-bacterial interactions. 2020 , 9,	37
535	Proper Management of People with Obesity during the COVID-19 Pandemic. 2020 , 29, 84-98	18
534	A Case of Hemolytic Anemia With Acute Myocarditis and Cardiogenic Shock: A Rare Presentation of COVID-19. 2020 , 12, e10657	7
533	Spontaneous Brainstem Hemorrhagic Stroke in the Setting of Novel Coronavirus Disease 2019 - A Case Report. 2020 , 12, e10809	8
532	Nanotechnology-based approaches in the fight against SARS-CoV-2.. 2021 , 7, 368-398	2
531	Research Status of SARS-CoV-2 on Cardiovascular System Injury in Children. 2021 , 36, 685-690	
530	Air quality assessment in Southeast Brazil during COVID-19 pandemic and lockdown: report of increased air pollution. 2021 , 37, e00242320	2
529	Are the Newest Angiotensin Receptor Blockers Preferred than the Old Members in COVID-19 Patients with Cardiovascular Comorbidity?. 2021 , 17, 435-441	
528	Importance of diabetes management during the COVID-19 pandemic. 2021 , 133, 912-919	3
527	Sex-related susceptibility in coronavirus disease 2019 (COVID-19): Proposed mechanisms. 2021 , 912, 174548	3
526	Macular vessel density reduction in patients recovered from COVID-19: a longitudinal optical coherence tomography angiography study. 2021 , 1	3
525	Progression of knowledge in diabetes mellitus and covid-19. 2021 , 8, 163-168	
524	Role of SARS-CoV-2 -induced cytokines and growth factors in coagulopathy and thromboembolism. 2021 ,	7
523	Alterations in ACE and ACE2 Activities and Cardiomyocyte Signaling Underlie Improved Myocardial Function in a Rat Model of Repeated Remote Ischemic Conditioning. 2021 , 22,	
522	Pulmonary fibrosis from molecular mechanisms to therapeutic interventions: lessons from post-COVID-19 patients. 2021 , 193, 114812	5
521	Whole Exome Sequencing Identifies a Rare Mutation in NACAD as a Possible Cause of COVID Orchitis in Brothers. 2021 ,	2

520	Plasma Renin Concentration in Critically Ill COVID-19 Patients. 2021 , 1, 94-98	0
519	ACE2 and Innate Immunity in the Regulation of SARS-CoV-2-Induced Acute Lung Injury: A Review. 2021 , 22,	1
518	A case of COVID-19 with superficial thrombophlebitis caused by an indwelling peripheral venous catheter. 2021 , 9, e04987	
517	Exploring Multifunctional Bioactive Components from Using Multi-Target Ultrafiltration. 2021 , 12, 749189	1
516	Evaluation of Endothelial Dysfunction and Inflammatory Vasculopathy After SARS-CoV-2 Infection-A Cross-Sectional Study. 2021 , 8, 750887	8
515	Renin-Angiotensin System Alterations in the Human Alzheimer's Disease Brain. 2021 ,	0
514	Depressive and Neurocognitive Disorders in the Context of the Inflammatory Background of COVID-19. 2021 , 11,	3
513	Quantifying Renin-Angiotensin-System Alterations in COVID-19. 2021 , 10,	8
512	A Pair of "ACEs". 2021 , 220345211047510	3
511	Angiotensin-converting enzyme 2 (ACE-2) genetic variants are associated with coronavirus disease 19. 2021 ,	
510	COVID-19 Is a Multi-Organ Aggressor: Epigenetic and Clinical Marks. 2021 , 12, 752380	5
509	WIN 55,212-2 shows anti-inflammatory and survival properties in human iPSC-derived cardiomyocytes infected with SARS-CoV-2. 2021 , 9, e12262	1
508	The therapeutic potential of the novel angiotensin-converting enzyme 2 in the treatment of coronavirus disease-19.. 2021 , 14, 2705-2713	
507	Role of ACE2-Ang (1-7)-Mas axis in post-COVID-19 complications and its dietary modulation. 2021 , 477, 225	0
506	COVID-19 and the Incidence of Acute Myocardial Injury. 2021 , 41, 356-364	2
505	COVID19 Disease Map, a computational knowledge repository of virus-host interaction mechanisms. 2021 , 17, e10387	9
504	The Potential Role of Vitamin B12 in the Prevention of COVID-19 Complications: A Narrative Review.	
503	COVID-19: A review of newly formed viral clades, pathophysiology, therapeutic strategies and current vaccination tasks. 2021 ,	7

502	Recent findings and applications of biomedical engineering for COVID-19 diagnosis: a critical review. 2021 , 12, 8594-8613	4
501	Postmortem Documentation of SARS-CoV-2 in Utero and Postpartum Transmission, through Amniotic Fluid, Placental, and Pulmonary Tissue RT-PCR. 2021 , 11, 9505	1
500	Renin angiotensin aldosterone system in pulmonary fibrosis: Pathogenesis to therapeutic possibilities. 2021 , 174, 105924	4
499	Screening S protein - ACE2 blockers from natural products: Strategies and advances in the discovery of potential inhibitors of COVID-19. 2021 , 226, 113857	2
498	The role of pre-existing chronic disease in cardiac complications from SARS-CoV-2 infection: A systematic review and meta-analysis.	
497	Los rankings acad�micos y la distribuci�n por g�nero de las universidades. 2020 , 43, 261	
496	Universidades en Google: hacia un modelo de an�lisis multinivel del posicionamiento web acad�mico. 2020 , 43, 260	0
495	Coronavirus disease-19 and its hematological manifestations. 2020 , 55, 71-74	
494	Central Nervous System Manifestations in COVID-19 Patients: A Systematic Review and Meta-analysis.	
493	Evidence for treatment with estradiol for women with SARS-CoV-2 infection.	0
492	Pathophysiology of COVID-19 infection. 2020 , Publish Ahead of Print,	2
491	Renin-angiotensin system: Basic and clinical aspects-A general perspective. 2021 , 69, 52-52	4
490	Vanadium as potential therapeutic agent for COVID-19: A focus on its antiviral, antiinflammatory, and antihyperglycemic effects. 2022 , 69, 126887	4
489	COVID-19 follow-up: Chest X-ray findings with clinical and radiological relationship three months after recovery. 2021 ,	0
488	SARS-CoV-2-host proteome interactions for antiviral drug discovery. 2021 , 17, e10396	5
487	The severity of SARS-CoV-2 infection is dictated by host factors? Epigenetic perspectives. 2021 , 2, 100079	
486	The Two-Way Switch Role of ACE2 in the Treatment of Novel Coronavirus Pneumonia and Underlying Comorbidities. 2020 , 26,	0
485	COVID-19 and obesity: the meeting of two pandemics. 2021 , 65, 3-13	2

484 Endothel, vaskuläre Funktion und COVID-19. **2021**, 10, 32-38

483 : urine is not urine in corona times. **2020**, 16, 2899-2902

1

482 Coronavirus ve Influenza Viruslar: Farklılıklarına ve Benzerliklerine Genel Bir Bakış

481 Proteinase imbalance in oral cancer and other diseases. **2022**, 165-208

0

480 Natural Transmission and Experimental Models of SARS CoV-2 Infection in Animals. **2021**, 71, 369-382

0

479 Evolutionary origin and structure of SARS-CoV-2 [A brief narrative review. **2020**,

478 COVID-19 Pathways to Human Central Nervous System and Relevant Drug Treatment. **2020**, 218, 03009

477 Main characteristics of microcirculation parameters in patients who underwent COVID-19. **2020**, 23, 56

476 Optic Nerve Head Optical Coherence Tomography Angiography Findings after Coronavirus Disease. **2021**, 16, 592-601

475 The effect of vitamin D, magnesium and zinc supplements on interferon signaling pathways and their relationship to control SARS-CoV-2 infection. **2021**, 19, 21

4

474 Nanomedicine for the Diagnosis and Therapy of COVID-19. **2021**, 9, 758121

473 Safety and efficacy of autologous non-hematopoietic enriched stem cell nebulization in COVID-19 patients: a randomized clinical trial, Abu Dhabi 2020. **2021**, 6, 25

1

472 Potential implications of angiotensin-converting enzyme 2 blockades on neuroinflammation in SARS-CoV-2 infection. **2021**,

0

471 Features of case management with neuromuscular disease during Covid-19. Clinical impression..

470 Possible transmission flow of SARS-CoV-2 based on ACE2 features.

1

469 Determinants of Developing Symptomatic Disease in Ethiopian COVID-19 Patients.

5

468 Diabetes mellitus and COVID-19 in the post-acute phase patients - possible links with physical and rehabilitation medicine and balneotherapy. **2020**, 11, 350-367

1

467 Correction: Unpuzzling COVID-19: tissue-related signaling pathways associated with SARS-CoV-2 infection and transmission. **2020**, 134, 2315-2317

466	ACE2 Expression in the Pancreas and Association With COVID-19 Infection. 2021 , 50, e1-e2	0
465	Mechanism of ligand recognition by human ACE2 receptor. 2020 ,	2
464	How closely is COVID-19 related to HCoV, SARS, and MERS? : Clinical comparison of coronavirus infections and identification of risk factors influencing the COVID-19 severity using common data model (CDM).	1
463	COVID-19 in age-related neurodegenerative diseases: is there a role for vitamin D3 as a possible therapeutic strategy?. 2021 , 32, 235-247	5
462	Diabetes mellitus and COVID-19: current issues of pathogenesis, clinic and therapy. Literature review. 2020 , 8-21	1
461	Primer on the Pathogenesis of Severe COVID-19: Part One.	1
460	ROLE OF METFORMIN IN COVID-19. 2020 , 1-4	
459	Renin-Angiotensin System Inhibitors and COVID-19: Potential Therapeutics Rather Than Perpetrators. 2020 , 36, 179-182	2
458	The predictive value of serum amyloid A and C-reactive protein levels for the severity of coronavirus disease 2019. 2020 , 12, 4569-4575	5
457	Clinical Profile of COVID-19 in Children and Research Progress on Angiotensin-converting Enzyme 2: A Mini-review. 2020 , 58, 813-819	
456	Cardiovascular risk in COVID-19 infection. 2020 , 10, 284-293	3
455	Investigating the human protein-host protein interactome of SARS-CoV-2 infection in the small intestine. 2020 , 13, 374-387	1
454	Mapping COVID-19 functional sequelae: the perspective of nuclear medicine. 2020 , 10, 319-333	2
453	Integrated Bioinformatics Analysis Reveals Key Candidate Genes and Cytokine Pathways Involved in COVID-19 After Rhinovirus Infection in Asthma Patients. 2020 , 26, e928861	2
452	Perspectives: potential therapeutic approach with inhalation of ACE2-derived peptides for SARS-CoV-2 infection. 2020 , 9, 73-80	1
451	Considerations When Managing Heart Failure during the COVID-19 Pandemic-Consensus from the Taiwan Society of Cardiology. 2021 , 37, 125-129	1
450	[Impact of cardiovascular metabolic diseases on COVID-19: review of recent progress]. 2021 , 41, 628-632	
449	Bidirectional Relationship between COVID-19 and Diabetes: Role of Renin-Angiotensin-Aldosterone System and Drugs Modulating It. 2021 , 13, 149-154	

448	SARS-CoV-2, the Angiotensin Converting Enzyme 2 (ACE2) Receptor and Alzheimer's disease. 2021 , 11,	1
447	Burn care strategy in the covid-19 pandemic: a narrative review study. 2021 , 11, 289-295	
446	GENERATING RESPONSES IMMUNE IN CELLULAR AND HUMORAL TREATMENT WITH EPITOPE SPIKE, EPITOPE ENVELOPE PROTEIN, AND EPITOPE MEMBRANE PROTEIN SARS-COV-2, HONEY, , AND. 2021 , 15, 23-30	
445	Molecular pathways involved in COVID-19 and potential pathway-based therapeutic targets. 2021 , 145, 112420	12
444	MPO-ANCA-positive Microscopic Polyangiitis Following COVID-19 Infection. 2021 ,	2
443	Clinical progression of patients with COVID-19: the impact of the pandemic in Latin America. 2022 , 83-94	
442	Apelin pathway in cardiovascular, kidney, and metabolic diseases: Therapeutic role of apelin analogs and apelin receptor agonists. 2021 , 147, 170697	1
441	Electrochemical detection of ACE2 as a biomarker for diagnosis of COVID-19 and potential male infertility. 2021 , 198, 113788	2
440	Sex- and age-specific regulation of ACE2: Insights into severe COVID-19 susceptibility. 2021 , 164, 13-16	7
439	Network Meta-analysis on the Changes of Amyloid Precursor Protein Expression Following SARS-CoV-2 Infection. 2021 , 16, 756	3
438	Interaction between a fluoroquinolone derivative and RNAs with a single bulge. 2021 ,	0
437	COVID-19, the Pandemic of the Century and Its Impact on Cardiovascular Diseases. 2021 , 1, 233-258	1
436	Does COVID-19 Affect Adult Neurogenesis? A Neurochemical Perspective.	
435	Does COVID-19 cause pre-eclampsia?. 2021 ,	0
434	Causal associations between COVID-19 and atrial fibrillation: A bidirectional Mendelian randomization study.. 2021 ,	1
433	Anticipated pharmacological role of Aviptadil on COVID-19. 2021 , 1	2
432	Precision Postbiotics and Mental Health: the Management of Post-COVID-19 Complications. 2021 , 1	1
431	Impact of the Double Mutants on Spike Protein of SARS-CoV-2 B.1.617 Lineage on the Human ACE2 Receptor Binding: A Structural Insight. 2021 , 13,	3

430	Involvement of the ACE2/Ang-(1-7)/MasR Axis in Pulmonary Fibrosis: Implications for COVID-19. 2021 , 22,	3
429	Dysregulation of ACE (Angiotensin-Converting Enzyme)-2 and Renin-Angiotensin Peptides in SARS-CoV-2 Mediated Mortality and End-Organ Injuries. 2021 , HYPERTENSIONAHA12118295	10
428	Expression of SARS-CoV-2 entry factors, electrolyte, and mineral transporters in different mouse intestinal epithelial cell types. 2021 , 9, e15061	0
427	Debulking SARS-CoV-2 in saliva using angiotensin converting enzyme 2 in chewing gum to decrease oral virus transmission and infection. 2021 ,	3
426	SARS-CoV-2 Infection and C-Section: A Prospective Observational Study. 2021 , 13,	0
425	Circulating ACE2 activity predicts mortality and disease severity in hospitalized COVID-19 patients. 2021 ,	9
424	COVID-19 and renin angiotensin aldosterone system: Pathogenesis and therapy. 2021 , 4, e440	3
423	Combined Hyperglycemic Hyperosmolar Syndrome and Diabetic Ketoacidosis Associated with COVID-19 in a Pediatric Patient. 2021 , 2021, 1-5	0
422	Identification of potential inhibitors of SARS-CoV-2 S proteinACE2 interaction by in silico drug repurposing. 10, 358	0
421	An Effort to Review on Various Therapeutic Strategies Including Effects of Biosensors on the COVID-19 Pandemic. 2022 , 353-364	
420	Common Inflammatory Mechanisms in COVID-19 and Parkinson's Diseases: The Role of Microbiome, Pharmabiotics and Postbiotics in Their Prevention. 2021 , 14, 6349-6381	11
419	Delirium and Cognitive Impairment as Predisposing Factors of COVID-19 Infection in Neuropsychiatric Patients: A Narrative Review. 2021 , 57,	4
418	Coronavirus Disease (COVID-19) Control between Drug Repurposing and Vaccination: A Comprehensive Overview. 2021 , 9,	9
417	ACE2-like carboxypeptidase B38-CAP protects from SARS-CoV-2-induced lung injury. 2021 , 12, 6791	9
416	Anti-AT1R autoantibodies and prediction of the severity of Covid-19. 2021 , 83, 130-130	2
415	Management and Clinical Aspects of Burned Patients Affected by SARS-COV2.	
414	Bioengineered angiotensin-converting-enzyme-2: a potential therapeutic option against SARS-CoV-2 infection. 2021 ,	0
413	ADAM17/MMP inhibition prevents neutrophilia and lung injury in a mouse model of COVID-19. 2021 ,	5

412	COVID-19-induced acute kidney injury in critically ill patients: epidemiology, risk factors, and outcome.. 2021 , 36, 308-316	1
411	Neuroinflammation and Its Impact on the Pathogenesis of COVID-19.. 2021 , 8, 745789	4
410	Penta-peptide ATN-161 based neutralization mechanism of SARS-CoV-2 spike protein. 2021 , 28, 101170	3
409	Interactions amongst inflammation, renin-angiotensin-aldosterone and kallikrein-kinin systems: suggestive approaches for COVID-19 therapy.. 2021 , 27, e20200181	3
408	Plausible Impacts of SARS-CoV-2 on Human Reproductive System. 2021 , 401-418	
407	The Impact of COVID-19 on Patients With ADPKD. 2021 , 8, 20543581211056479	
406	SIT1 transporter as a potential novel target in treatment of COVID-19.. 2021 , 12, 156-163	1
405	Does Vitamin D Supplementation Reduce Cytokine Storm and Mortality in Geriatric Intensive Care Patients Diagnosed with COVID-19. 2022 , 12, 1-1	1
404	COVID-19 in Joint Ageing and Osteoarthritis: Current Status and Perspectives.. 2022 , 23,	4
403	Potential role of Drug Repositioning Strategy (DRS) for management of tauopathy.. 2021 , 120267	0
402	Screening of potential spike glycoprotein / ACE2 dual antagonists against COVID-19 in silico molecular docking.. 2021 , 301, 114424	3
401	Clinical Profile of COVID-19 in Children and Research Progress on Angiotensin-converting Enzyme 2: A Mini-review. 2020 , 58, 813-819	
400	Risk Factors for Severe Coronavirus Disease (COVID-19). 120-126	1
399	Integrated Bioinformatics Analysis Reveals Key Candidate Genes and Cytokine Pathways Involved in COVID-19 After Rhinovirus Infection in Asthma Patients. 2020 , 27, e928861	2
398	Advances in the study of nervous system infections in COVID-19. 2021 , 7, 163-171	
397	Single-Chained Fragment Variable (scFv) Recombinant as a Potential Receptor for SARS-CoV-2 Biosensor Based on Surface Plasmon Resonance (SPR). 2021 ,	
396	COVID-19: Pathogenesis COVID-19: Pathogenesis 2021 , 26, 227-247	
395	Damage to the Vascular Endothelium as a Leading Mechanism of COVID-19 Systemic Pathology. 2021 , 11, 559-566	1

394	Acute Myocardial Infarction with Microthrombi in Cardiac Small Vessels after COVID-19 Vaccination (ChAdOx1 nCov-19): A Case Report. 2021 , 45, 127-132	0
393	Does COVID-19 Cause Hypertension?. 2021 , 33197211053903	13
392	Potential Application of Bionanoparticles to Treat Severe Acute Respiratory Syndrome Coronavirus-2 Infection. 2022 , 3,	1
391	Inflammatory activation and immune cell infiltration are main biological characteristics of SARS-CoV-2 infected myocardium.. 2022 , 13, 2486-2497	0
390	Looking at COVID-19 from a Systems Biology Perspective.. 2022 , 12,	
389	SARS-CoV-2 in the Prostate: Immunohistochemical and Ultrastructural Studies.. 2022 ,	0
388	Generation of Spike-Extracellular Vesicles (S-EVs) as a Tool to Mimic SARS-CoV-2 Interaction with Host Cells.. 2022 , 11,	3
387	ACE2 Shedding and the Role in COVID-19.. 2021 , 11, 789180	8
386	Metainflammation in COVID-19.. 2022 ,	1
385	COVID-19 disease severity and associated factors among Ethiopian patients: A study of the millennium COVID-19 care center.. 2022 , 17, e0262896	4
384	Cytokine storm in COVID-19: from viral infection to immune responses, diagnosis and therapy.. 2022 , 18, 459-472	7
383	Can SARS-CoV-2 Infection Exacerbate Alzheimer's Disease? An Overview of Shared Risk Factors and Pathogenetic Mechanisms.. 2022 , 12,	3
382	Exosomes and COVID-19: challenges and opportunities.. 2022 , 31, 1-8	1
381	Time-Dependent Molecular Motifs of Pulmonary Fibrogenesis in COVID-19.. 2022 , 23,	2
380	Health of the Newborn and Breastfeeding during the COVID-19 Pandemic: A Literature Review.. 2022 ,	1
379	Role of Genetic Variants and Host Polymorphisms on COVID-19: From Viral Entrance Mechanisms to Immunological Reactions.. 2022 ,	1
378	Monoclonal antibodies for COVID-19 therapy and SARS-CoV-2 detection.. 2022 , 29, 1	17
377	Bulbus Fritillariae Cirrhosae as a Respiratory Medicine: Is There a Potential Drug in the Treatment of COVID-19?. 2021 , 12, 784335	0

376	Overexpression of the SARS-CoV-2 receptor angiotensin converting enzyme 2 in cardiomyocytes of failing hearts.. 2022 , 12, 965	2
375	Commentary: Effect of Angiotensin-Converting-Enzyme Inhibitor and Angiotensin II Receptor Antagonist Treatment on ACE2 Expression and SARS-CoV-2 Replication in Primary Airway Epithelial Cells.. 2022 , 13, 842512	0
374	Mechanisms contributing to adverse outcomes of COVID-19 in obesity.. 2022 , 477, 1155	2
373	Changes in Anterior Chamber Parameters Measured by Pentacam in Coronavirus Disease 2019 Infection: A Longitudinal Study.. 2022 , 2022, 6828924	
372	Chronic alcohol intake regulates expression of SARS-CoV2 infection-relevant genes in an organ-specific manner.	
371	Immune Response Is Key to Genetic Mechanisms of SARS-CoV-2 Infection With Psychiatric Disorders Based on Differential Gene Expression Pattern Analysis.. 2022 , 13, 798538	0
370	Renin-angiotensin system blockade on angiotensin-converting enzyme 2 and TMPRSS2 in human type II pneumocytes.. 2022 , 120324	6
369	Vascular endotheliitis associated with infections: its pathogenetic role and therapeutic implication.. 2022 , 197, 114909	1
368	Enhanced endocytosis elevated virulence and severity of SARS-CoV-2 due to hyperglycemia in type 2 diabetic patients.. 2022 , 101495	1
367	Neuroinflammation in Severe Acute Respiratory Syndrome Coronavirus-2 (SARS-CoV-2) infection: Pathogenesis and clinical manifestations.. 2021 , 63, 102181	1
366	The Renin-Angiotensin System in COVID19. 2022 , 133-153	
365	SARS-CoV-2-Mediated Neuropathogenesis, Deterioration of Hippocampal Neurogenesis and Dementia.. 2022 , 37, 15333175221078418	2
364	COVID-19 Pathophysiology and COVID-19-Induced Respiratory Failure. 2022 , 91-101	
363	Association of Angiotensin Receptor Blockers With the Risk of COVID-19 in Korea. 2,	0
362	Sex differences in COVID-19 mortality in the Netherlands.. 2022 , 1	2
361	Perspectives on nano-nutraceuticals to manage pre and post COVID-19 infections.. 2022 , 33, e00712	5
360	Type 1 diabetes is associated with significant changes of ACE and ACE2 expression in peripheral blood mononuclear cells.. 2022 ,	1
359	The Concept Of Repurposing In Covid-19 Infection. 2022 , 03,	

358	Polymorphisms in ACE, ACE2, AGTR1 genes and severity of COVID-19 disease.. 2022 , 17, e0263140	4
357	Angiotensin-converting enzyme 2 (ACE2): Two decades of revelations and re-evaluation.. 2022 , 151, 170766	3
356	Neurological complications associated with Covid-19; molecular mechanisms and therapeutic approaches.. 2022 , e2334	4
355	The risk of intrauterine exposure to SARS-CoV-2 in female COVID-19 patients: a comprehensive Review.. 2022 ,	1
354	Potential long-term effects of SARS-CoV-2 infection on the pulmonary vasculature: a global perspective. 2021 ,	5
353	Virtual Screening in Search for a Chemical Probe for Angiotensin-Converting Enzyme 2 (ACE2).. 2021 , 26,	0
352	Discovery of Bile Acid Derivatives as Potent ACE2 Activators by Virtual Screening and Essential Dynamics.. 2021 ,	3
351	Differential expression in humans of the viral entry receptor ACE2 compared with the short deltaACE2 isoform lacking SARS-CoV-2 binding sites.. 2021 , 11, 24336	2
350	Cholesterol-Rich Lipid Rafts as Platforms for SARS-CoV-2 Entry.. 2021 , 12, 796855	5
349	The Antioxidant Arsenal Against COVID-19. 2021 , 327-357	
348	Renin-angiotensin system: Basic and clinical aspects-A general perspective.. 2022 , 69, 52-62	0
347	Inhibitory effect of whey protein concentrate on SARS-CoV-2-targeted furin activity and spike protein-ACE2 binding in methotrexate-induced lung damage.. 2022 , e14039	0
346	Acute Myocardial Injury Assessed by High-Sensitive Cardiac Troponin Predicting Severe Outcomes and Death in Hospitalized Patients with COVID-19 Infection.. 2022 , 28, 10760296221090227	0
345	SARS-CoV-2 induced myocarditis: Current knowledge about its molecular and pathophysiological mechanisms. 2022 , 46, 1-10	0
344	A review of hypersensitivity methods to detect immune responses to SARS-CoV-2. 2022 ,	
343	Elective surgery after Covid-19: A narrative review of the literature.	
342	and Gene Variants Are Associated With Severe Outcomes of COVID-19 in Men.. 2022 , 13, 812940	1
341	Efficacy of defensins as neutralizing agents against the deadly SARS-CoV-2.. 2022 , 1-15	

340	Cardiovascular outcome 6 months after severe coronavirus disease 2019 infection.. 2022,	1
339	Sarcoid-like Uveitis with or without Tubulointerstitial Nephritis during COVID-19.. 2022, 1-8	1
338	Molecular and Physiological Aspects of SARS-CoV-2 Infection in Women and Pregnancy.. 2022, 3, 756362	
337	Simvastatin Downregulates the SARS-CoV-2-Induced Inflammatory Response and Impairs Viral Infection Through Disruption of Lipid Rafts.. 2022, 13, 820131	0
336	Dichotomous Role of Tumor Necrosis Factor in Pulmonary Barrier Function and Alveolar Fluid Clearance.. 2021, 12, 793251	2
335	Pharmacogenetics and Precision Medicine Approaches for the Improvement of COVID-19 Therapies.. 2022, 13, 835136	1
334	Dysbiosis of Oral and Gut Microbiomes in SARS-CoV-2 Infected Patients in Bangladesh: Elucidating the Role of Opportunistic Gut Microbes.. 2022, 9, 821777	3
333	Depletion and Dysfunction of Dendritic Cells: Understanding SARS-CoV-2 Infection.. 2022, 13, 843342	3
332	The collectrin-like part of the SARS-CoV-1 and -2 receptor ACE2 is shed by the metalloproteinases ADAM10 and ADAM17.. 2022, 36, e22234	1
331	Evaluation of mid- and long-term impact of COVID-19 on male fertility through evaluating semen parameters.. 2022, 11, 159-167	0
330	Identification of cell type specific ACE2 modifiers by CRISPR screening.. 2022, 18, e1010377	1
329	Hematological Changes and Pregnancy Outcome in COVID-19 Pregnant Patients: A Case-Control Study. 2022, 10, 511-516	
328	Angiotensin II Type I Receptor (AT1R): The Gate towards COVID-19-Associated Diseases.. 2022, 27,	2
327	New-Onset Type 1 Diabetes in Children With SARS-CoV-2 Infection.. 2022, 14, e22790	0
326	The Role of Diabetes and Hyperglycemia on COVID-19 Infection CourseA Narrative Review. 2022, 3,	0
325	Common Molecular Pathways Between Post-COVID19 Syndrome and Lung Fibrosis: A Scoping Review.. 2022, 13, 748931	2
324	COVID-19 and stillbirth: direct vs indirect effect of the pandemic.. 2021,	0
323	Cardiovascular Dysfunction in COVID-19: Association Between Endothelial Cell Injury and Lactate.. 2022, 13, 868679	1

322	Social Determinants of Health Factors for Gene-Environment COVID-19 Research: Challenges and Opportunities.. 2022 , 2100056	0
321	Numerical approach to design the graphene-based multilayered surface plasmon resonance biosensor for the rapid detection of the novel coronavirus. 2022 , 1, 494	0
320	ACE2-Fc fusion protein overcomes viral escape by potently neutralizing SARS-CoV-2 variants of concern.. 2022 , 105271	2
319	Angiotensin (1-7) peptide replacement therapy with plasma transfusion in COVID-19.. 2022 , 103418	
318	Peripapillary Nerve Fiber Layer Thickness and Optic Nerve Head Parameters in Patients Recovered from COVID-19: A Longitudinal Study.. 2022 , 2022, 4643973	
317	Ineffectiveness of Intermittent Hemodialysis in a Critically Ill COVID-19 Patient: A Case of Persistent Heparin-Induced Hyperkalemia.. 2022 , 2022, 8613656	1
316	The Immune Response to SARS-CoV-2: Mechanisms, Aging, Sequelae and Vaccines.. 2022 ,	0
315	Elevated mid-pregnancy plasma levels of angiotensin-converting enzyme 2 in women prior to the development of preeclampsia.. 2022 , 12, 4109	1
314	Post-COVID-19 syndrome. SARS-CoV-2 RNA detection in plasma, stool, and urine in patients with persistent symptoms after COVID-19.. 2022 , 22, 211	5
313	A Novel Soluble ACE2 Protein Provides Lung and Kidney Protection in Mice Susceptible to Lethal SARS-CoV-2 Infection.. 2022 ,	4
312	Allosteric binders of ACE2 are promising anti-SARS-CoV-2 agents.. 2022 ,	1
311	An insight into the mechanisms of COVID-19, SARS-CoV2 infection severity concerning Ecell survival and cardiovascular conditions in diabetic patients.. 2022 , 1	2
310	The risk of cardiac and cerebrovascular complications in patients with concomitant cardiovascular diseases who have had COVID-19. 2022 , 99, 632-636	
309	Targeting Specific Checkpoints in the Management of SARS-CoV-2 Induced Cytokine Storm.. 2022 , 12,	0
308	Antihypertensive and Vasorelaxant Effects of Hibiscus rosa-sinensis through Angiotensin-Converting Enzyme-2 (ACE-2), and Ca ²⁺ channels Pathways.. 2022 ,	
307	Long COVID and neuropsychiatric manifestations (Review).. 2022 , 23, 363	2
306	Discontinuing vs. Continuing ACEIs and ARBs in Hospitalized Patients with COVID-19 According to Disease Severity: Insights from the BRACE CORONA Trial.. 2022 ,	1
305	New-Onset Atrial Fibrillation in COVID-19 Infection: A Case Report and Review of Literature.. 2022 , 14, e23912	0

304	A new wave of COVID-19 in 2021 with unique genetic characters -present global scenario and beholding onwards.. 2022,	0
303	COVID-19: Cellular and Molecular Mechanisms of Brain Damage. 2022, 12, 131-139	
302	Can epigenetics help solve the puzzle between concomitant cardiovascular injury and severity of COVID-19?. 2021, 79,	
301	Gut Microbiota might act as a potential therapeutic pathway in COVID-19.. 2022,	
300	Understanding on the possible routes for SARS CoV-2 invasion via ACE2 in the host linked with multiple organs damage.. 2022, 99, 105254	2
299	Diabetic kidney disease, a potentially serious issue resulting from collision of the Covid-19 and diabetes global pandemics. 2022,	
298	David versus goliath: ACE2-Fc receptor traps as potential SARS-CoV-2 inhibitors.. 2022, 14, 2057832	2
297	Mind the feline coronavirus: comparison with SARS-CoV-2.. 2022, 146443	0
296	Serial Assessment of Myocardial Injury Markers in Mechanically Ventilated Patients With SARS-CoV-2 (from the Prospective MaastrICCh Cohort).. 2022,	1
295	Cardiovascular complications in the Post-Acute COVID-19 syndrome (PACS).. 2022, 40, 101012	4
294	Influence of SARS-CoV-2 Infection on the Renin Angiotensin System. 2021,	
293	Sudden Cardiac Death Caused by Cardiac Small Vessel Vasculitis after COVID-19 Vaccination (BNT162b2 nCov-19): A Case Report. 2021, 45, 133-138	0
292	Implications of Vitamins in COVID-19 Prevention and Treatment through Immunomodulatory and Anti-Oxidative Mechanisms.. 2021, 11,	2
291	Association Between Plasma Redox State/Mitochondria Function and a Flu-Like Syndrome/COVID-19 in the Elderly Admitted to a Long-Term Care Unit.. 2021, 12, 707587	1
290	Lung pathology in COVID-19. 2021, 86-100	1
289	SARS-CoV-2 Spike Protein Destabilizes Microvascular Homeostasis.. 2021, e0073521	4
288	COVID-19 and Venous Thromboembolism: From Pathological Mechanisms to Clinical Management.. 2021, 11,	1
287	Potential COVID-19 therapeutic approaches targeting angiotensin-converting enzyme 2; An updated review.. 2021, e2321	4

286	Two cases of multi-inflammatory syndrome in children (MIS-C) in adults in 2020. 2021 , 21, 1228	0
285	Glycoprotein Targeted CAR-NK Cells for the Treatment of SARS-CoV-2 Infection.. 2021 , 12, 763460	4
284	Investigation of SARS-CoV-2 on Ocular Surface of Coronavirus Disease 2019 Patients Using One-Step Reverse-Transcription Droplet Digital PCR.. 2021 , 14, 5395-5401	2
283	Potential of Hanjeli (<i>Coix lacryma-jobi</i>) essential oil in preventing SARS-CoV-2 infection via blocking the Angiotensin Converting Enzyme 2 (ACE2) receptor. 2021 , 48, 289-303	0
282	Inactivated SARS-CoV-2 induces acute respiratory distress syndrome in human ACE2-transgenic mice.. 2021 , 6, 439	5
281	How Does COVID-19 Pandemic Impact on Incidence of Infection and Exacerbation of Its Gastrointestinal Symptoms?. 2021 , 8, 775063	1
280	Is there impact of the SARS-CoV-2 pandemic on steroidogenesis and fertility?. 2021 , 70, S161-S175	1
279	Leptin in the Respiratory Tract: Is There a Role in SARS-CoV-2 Infection?. 2021 , 12, 776963	0
278	Severe Type of COVID-19: Pathogenesis, Warning Indicators and Treatment.. 2022 , 28, 3-11	0
277	Clinical and neurophysiological correlations in post-Covid-19 patients and rationale for pathogenetic therapy. 2021 , 7-11	1
276	Potential Associations Between Microbiome and COVID-19.. 2021 , 8, 785496	9
275	Mechanical dependency of the SARS-CoV-2 virus and the renin-angiotensin-aldosterone (RAAS) axis: a possible new threat. 2021 , 1	1
274	Evolutionary pathways to SARS-CoV-2 resistance are opened and closed by epistasis acting on ACE2.. 2021 , 19, e3001510	0
273	COVID-19 and immunothrombosis: Pathophysiology and therapeutic implications. 2021 , 168, 103529	5
272	SARS-CoV-2 and Ocular Surface. 2020 , 240-247	
271	Gender Features of Renin-Angiotensin-Aldosterone System in the Light of the Pandemic COVID-19. 2020 , 382-389	
270	Ekstrak Etanolik Daun Kelor (<i>Moringa oleifera</i> , Lam.) Menurunkan Ekspresi Reseptor ACE2 (Pintu Masuk SARS-CoV-2) Duodenum Tikus Wistar (<i>Rattus norvegicus</i>) Jantan Model Sindrom Metabolik Terinduksi. 2022 , 1, 49-59	
269	SARS-CoV-2 Employ BSG/CD147 and ACE2 Receptors to Directly Infect Human Induced Pluripotent Stem Cell-Derived Kidney Podocytes.. 2022 , 10, 855340	2

- 268 Surviving the Storm: Cytokine Biosignature in SARS-CoV-2 Severity Prediction.. **2022**, 10, 0
- 267 Correlations between kidney and heart function bioindicators and the expressions of Toll-Like, ACE2, and NRP-1 receptors in COVID-19. 1
- 266 DataSheet_1.docx. **2020**,
- 265 Data_Sheet_1.pdf. **2020**,
- 264 Table_1.docx. **2020**,
- 263 Table_2.docx. **2020**,
- 262 Transcriptional regulation and small compound targeting of ACE2 in lung epithelial cells.. **2022**, 1
- 261 Lipocalin-2, S100A8/A9, and cystatin C: Potential predictive biomarkers of cardiovascular complications in COVID-19.. **2022**, 15353702221091990 1
- 260 The impact of obesity on hospitalized patients with COVID-19 infection in the Eastern Province of Saudi Arabia.. **2022**, 15, 425-432 0
- 259 Bidirectional relationship between covid-19 and diabetes: Role of renin-angiotensin-aldosterone system and drugs modulating it. **2021**, 13, 149 0
- 258 Lichen planus drugs re-purposing as potential anti COVID-19 therapeutics through molecular docking and molecular dynamics simulation approach.. **2022**, 8, 125-137
- 257 First report and genome sequencing of SARS-CoV-2 in a cat (Felis catus) in Colombia.. **2022**, 117, e210375
- 256 COVID-19 and acute myocardial injury: Stem cell driven tissue remodeling in COVID-19 infection. **2022**, 111-124
- 255 Long COVID-19 Syndrome: Multiorgan Damage and Recommendations for Follow-Up and Rehabilitation. **2022**, 49, 57-62
- 254 SARS-CoV-2 Infection, Sex-Related Differences, and a Possible Personalized Treatment Approach with Valproic Acid: A Review. **2022**, 10, 962 0
- 253 Use of Imaging Technology to Assess the Effect of COVID-19 on Retinal Tissues: A Systematic Review.. **2022**, 1
- 252 SARS-CoV-2 Omicron variant: recent progress and future perspectives.. **2022**, 7, 141 19
- 251 Immunopathological changes, complications, sequelae and immunological memory in COVID-19 patients.. **2022**, 8, e09302 0

250	Probing the Immune System Dynamics of the COVID-19 Disease for Vaccine Designing and Drug Repurposing Using Bioinformatics Tools. 2022 , 2, 344-371	1
249	Peptide-Based Strategies Against SARS-CoV-2 Attack: An Updated In Silico Perspective. 2022 , 2,	2
248	Comprehensive Role of SARS-CoV-2 Spike Glycoprotein in Regulating Host Signaling Pathway.. 2022 ,	0
247	Immunouniverse of SARS-CoV-2.. 2022 , 1-39	0
246	Pediatric transplantation during the COVID-19 pandemic. 2022 , 12, 88-99	0
245	Nanoantidote for repression of acidosis pH promoting COVID-19 infection. 20220004	0
244	15-Month Health Outcomes and the Related Risk Factors of Hospitalized COVID-19 Patients From Onset: A Cohort Study. 2022 , 9,	0
243	The Pathophysiology of Long COVID throughout the Renin-Angiotensin System.. 2022 , 27,	3
242	[Bromhexine is a potential drug for COVID-19; From hypothesis to clinical trials].. 2022 , 67, 126-132	0
241	Natural therapeutics and nutraceuticals for lung diseases: Traditional significance, phytochemistry, and pharmacology. 2022 , 150, 113041	13
240	Adapted physical activity in subjects and athletes recovering from covid-19: a position statement of the Societ�Italiana Scienze Motorie e Sportive.	0
239	Incidence, risk factors and prognostic effect of imaging left ventricular diastolic dysfunction in patients with COVID-19: protocol for a systematic review.. 2022 , 12, e059281	0
238	COVID-19 in G6PD-deficient patients, oxidative stress, and neuropathology.. 2022 ,	1
237	Dysregulated Interferon Response and Immune Hyperactivation in Severe COVID-19: Targeting STATs as a Novel Therapeutic Strategy. 2022 , 13,	4
236	Immunosuppressant Therapies in COVID-19: Is the TNF Axis an Alternative?. 2022 , 15, 616	1
235	Endotheliitis, shunts, and VentilationPerfusion mismatch in coronavirus disease 2019: A literature review of disease mechanisms. 2022 , 103820	0
234	Lichen planus drugs re-purposing as potential anti COVID-19 therapeutics through molecular docking and molecular dynamics simulation approach.. 2022 , 8, 127-146	0
233	Pyrazolone-type compounds: synthesis and in silico assessment of antiviral potential against key viral proteins of SARS-CoV-2. 2022 , 12, 16054-16070	2

232	Predicting Intensive Care Unit Admission for COVID-19 Patients from Laboratory Results. 2022 , 2022, 1-8	0
231	Using unsupervised learning algorithms to identify essential genes associated with SARS-CoV-2 as potential therapeutic targets for COVID-19.	0
230	The effect of the probiotic consortia on SARS-CoV-2 infection in ferrets and on human immune cell response in vitro. 2022 , 104445	0
229	IRW (Isoleucine-Arginine-Tryptophan) Improves Glucose Tolerance in High Fat Diet Fed C57BL/6 Mice via Activation of Insulin Signaling and AMPK Pathways in Skeletal Muscle. 2022 , 10, 1235	2
228	COVID-19 and Preexisting Comorbidities: Risks, Synergies, and Clinical Outcomes. 13,	3
227	Viruses as Living Systems- A Metacybernetic View. 2022 , 10, 70	0
226	Viral Infection of the Reproductive System in Times of COVID-19. 2022 , 1-21	
225	Association of Obesity With COVID-19 Severity and Mortality: An Updated Systemic Review, Meta-Analysis, and Meta-Regression. 2022 , 13,	10
224	A review of pathophysiological mechanism, diagnosis, and treatment of thrombosis risk associated with COVID-19 infection. 2022 , 101068	0
223	Proteolysis and deficiency of α -proteinase inhibitor in SARS-CoV-2 infection. 2022 , 68, 157-176	1
222	Calcific aortic valve stenosis and COVID-19: clinical management, valvular damage, and pathophysiological mechanisms. 2022 , 7, 3-11	
221	Allosteric Binders of ACE2 Are Promising Anti-SARS-CoV-2 Agents.	
220	Systematic Review on Pathophysiological Complications in Severe COVID-19 among the Non-Vaccinated and Vaccinated Population. 2022 , 10, 985	1
219	Impact of COVID-19 on brain and psychological health, its possible mechanisms, and coping strategies. 2022 , 16,	0
218	Understanding the pivotal roles of ACE2 in SARS-CoV-2 infection: from structure/function to therapeutic implication. 2022 , 23,	0
217	Cell deaths: Involvement in the pathogenesis and intervention therapy of COVID-19. 2022 , 7,	3
216	Intronic regulation of SARS-CoV-2 receptor (ACE2) expression mediated by immune signaling and oxidative stress pathways. 2022 , 104614	0
215	Recombinant ACE2 protein protects against acute lung injury induced by SARS-CoV-2 spike RBD protein. 2022 , 26,	1

214	COVID-19, vaccines and deficiency of ACE2 and other angiotensinases. Closing the loop on the "Spike effect". 2022,	3
213	Synergistic Antiviral Activity of Pamapimod and Pioglitazone against SARS-CoV-2 and Its Variants of Concern. 2022, 23, 6830	0
212	Cross-Talk between the (Endo)Cannabinoid and Renin-Angiotensin Systems: Basic Evidence and Potential Therapeutic Significance. 2022, 23, 6350	0
211	Potential role of astrocyte angiotensin converting enzyme 2 in the neural transmission of COVID-19 and a neuroinflammatory state induced by smoking and vaping. 2022, 19,	1
210	Biological Actions, Implications, and Cautions of Statins Therapy in COVID-19. 9,	
209	Connecting the dots between inflammatory cascades of obesity and COVID-19 in light of mortal consequences—review.	0
208	Early shedding of membrane-bounded ACE2 could be an indicator for disease severity in SARS-CoV-2. 2022,	1
207	Renin-Angiotensin-System Inhibitors Are Associated With Lower In-hospital Mortality in COVID-19 Patients Aged 80 and Older. 9,	1
206	Coronavirus disease 2019 (COVID-19) update: From metabolic reprogramming to immunometabolism.	0
205	Importance of Gastrointestinal Symptoms and Potential Mechanism in Coronavirus Disease 2019 (COVID-19).	
204	Cardiorenal Syndrome in COVID-19 Patients: A Systematic Review. 9,	0
203	Enzymes in the time of COVID-19: An overview about the effects in the human body, enzyme market, and perspectives for new drugs.	0
202	Inflammation and vascular dysfunction: The negative synergistic combination of diabetes and COVID-19.	1
201	Spike-mediated ACE2 down-regulation was involved in the pathogenesis of SARS-CoV-2 infection. 2022,	4
200	The role of multi-omics in the diagnosis of COVID-19 and the prediction of new therapeutic targets. 2022, 13, 1101-1110	0
199	Neuromodulation by selective angiotensin-converting enzyme 2 inhibitors. 2022,	1
198	Speculation on the pathophysiology of musculoskeletal injury with COVID-19 infection. 9,	0
197	Correlations between Kidney and Heart Function Bioindicators and the Expressions of Toll-Like, ACE2, and NRP-1 Receptors in COVID-19. 2022, 10, 1106	0

196	Decrease in Angiotensin Converting Enzyme 2 activity but not concentration in plasma/lungs in COVID-19 patients Offers clues for diagnosis/treatment. 2022,	0
195	Exploring the management approaches of cytokines including viral infection and neuroinflammation for neurological disorders. 2022, 157, 155962	3
194	Persistent respiratory failure after SARS-CoV-2 infection: The role of dual energy computed tomography. A case report. 2022, 17, 3179-3184	
193	Pre-clinic study of radiopharmaceutical for Covid-19 inactivation: Dose distribution with Monte Carlo Simulation. 2022, 188, 110364	0
192	Melatonin counteracts necroptosis and pulmonary edema in cadmium-induced chronic lung injury through the inhibition of angiotensin II.	0
191	The Apelin-APJ axis alleviates LPS-induced pulmonary fibrosis and endothelial mesenchymal transformation in mice by promoting Angiotensin-Converting Enzyme 2. 2022, 110418	
190	NMR spectroscopy spotlighting immunogenicity induced by COVID-19 vaccination to mitigate future health concerns. 2022, 3, 199-214	
189	Susceptibility of Patients with Inflammatory Bowel Disease to COVID-19 Compared with Their Households. 2022, 14, 182-191	
188	ACE2-like enzyme B38-CAP suppresses abdominal sepsis and severe acute lung injury. 2022, 17, e0270920	
187	Nanoscale Technologies in the Fight against COVID-19: From Innovative Nanomaterials to Computer-Aided Discovery of Potential Antiviral Plant-Derived Drugs. 2022, 12, 1060	0
186	LRW fails to reduce blood pressure in spontaneously hypertensive rats due to its low gastrointestinal stability and transepithelial permeability. 2022, 101964	1
185	ADAM17 cleaves the insulin receptor ectodomain on endothelial cells and causes vascular insulin resistance.	0
184	Cardiovascular Complications of Pregnancy-Associated COVID-19 Infections. 2022, 1, 100057	0
183	Folic acid restricts SARS-CoV-2 invasion by methylating ACE2. 13,	0
182	Molecular Mimicry, Hyperactive Immune System, And SARS-COV-2 Are Three Prerequisites of the Autoimmune Disease Triangle Following COVID-19 Infection. 2022, 109183	3
181	Association between single nucleotide polymorphism of human angiotensin-converting enzyme 2 gene locus and clinical severity of COVID-19. 2022, 23,	
180	Clinical, morphological and molecular biological examination of the myocardium in COVID-19 patients. 2022, 27, 4810	0
179	Elevated Levels of Soluble CD147 are Associated with Hyperinflammation and Disease Severity in COVID-19: A Proof-of-Concept Clinical Study. 2022, 70,	1

178	Increased mRNA Levels of ADAM17, IFITM3, and IFNE in Peripheral Blood Cells Are Present in Patients with Obesity and May Predict Severe COVID-19 Evolution. 2022 , 10, 2007	0
177	Comparison of demographic features and laboratory parameters between COVID-19 deceased patients and surviving severe and critically ill cases. 2022 , 10, 8161-8169	1
176	The cross-talk of lung and heart complications in COVID-19: Endothelial cells dysfunction, thrombosis, and treatment. 9,	0
175	Charlson comorbidity index, neutrophil-to-lymphocyte ratio and undertreatment with renin-angiotensin-aldosterone system inhibitors predict in-hospital mortality of hospitalized COVID-19 patients during the omicron dominant period. 13,	0
174	Potential Multifunctional Bioactive Compounds from <i>Dyosma versipellis</i> Explored by Bioaffinity Ultrafiltration-HPLC/MS with Topo I, Topo II, COX-2 and ACE2. Volume 15, 4677-4692	0
173	Repressed Ang 1 β in COVID-19 Is Inversely Associated with Inflammation and Coagulation.	1
172	Epigenetic perspectives of COVID-19: Virus infection to disease progression and therapeutic control. 2022 , 1868, 166527	0
171	Research progress of biosensors for detection of SARS-CoV-2 variants based on ACE2. 2023 , 251, 123813	0
170	Structural aspects of SARS-CoV-2 mutations: Implications to plausible infectivity with ACE-2 using computational modeling approach. 1-16	2
169	ACE2 in SARS-CoV-2-Mediated COVID-19: A Brief Review. 2022 , 2,	0
168	The role of ACE1 I/D and ACE2 polymorphism in the outcome of Iranian COVID-19 patients: A case-control study. 13,	0
167	Global distribution of ACE1 (rs4646994) and ACE2 (rs2285666) polymorphisms associated with COVID-19: A systematic review and meta-analysis. 2022 , 172, 105781	1
166	Soluble epoxide hydrolase inhibitor, t-AUCB, improves salivary gland function by ameliorating endothelial injury. 2022 , 308, 120942	0
165	Antiviral potential of diminazene aceturate against SARS-CoV-2 proteases using computational and in vitro approaches. 2022 , 367, 110161	2
164	In silico prediction of COVID-19 cytokine storm in lung cancer types. 2022 , 32, 101350	0
163	COVID-19 Impact on Host at Pathophysiological and Cellular Level. 2022 , 67-111	0
162	The prognostic importance of the angiotensin II/angiotensin-(1 β) ratio in patients with SARS-CoV-2 infection. 2022 , 16, 175346662211225	0
161	Serum Angiotensin II as a Biomarker in COVID-19. 2022 , 1-24	0

160	Serum ACE2 Level is Associated With Severe SARS-CoV-2 Infection: A Cross-Sectional Observational Study. 2022 , 17, 117727192211251	0
159	Vitamin D: a potentially important secosteroid for coping with COVID-19. 2022 , 94,	0
158	Proteomics research of SARS-CoV-2 and COVID-19 disease. 2022 , 2, 427-445	0
157	Correlations Of Adenosine Deaminase Activity In The Plasma Of Diabetic Patients With Arterial Hypertension. 144-160	0
156	Urinary angiotensin-converting enzyme 2 and metabolomics in COVID-19 mediated kidney injury.	1
155	Expression analysis of miRNA hsa-let7b-5p in naso-oropharyngeal swabs of COVID -19 patients supports its role in regulating ACE2 and DPP4 receptors.	1
154	The Management of Myocardial Injury Related to SARS-CoV-2 Pneumonia. 2022 , 9, 307	0
153	The emerging multifunctional roles of ERAP1, ERAP2 and IRAP between antigen processing and renin-angiotensin system modulation. 13,	0
152	Zinc and COVID-19: Immunity, Susceptibility, Severity and Intervention. 1-19	0
151	Growth differentiation factor 15 as an emerging novel biomarker in SARS-CoV-2 infection. 2022 , 12, 438-447	0
150	Nitazoxanide and COVID-19: A review.	0
149	Structural perspective of the interactions of ACE2 and SARS CoV-2 Spike protein RBD.	0
148	Gut Microbiota Dynamics in Relation to Long-COVID-19 Syndrome: Role of Probiotics to Combat Psychiatric Complications. 2022 , 12, 912	1
147	Herbal Medicine in the Treatment of COVID-19 Based on the GutLung Axis. Publish Ahead of Print,	0
146	Eclampsia and Postpartum Depression in the Setting of Recurrent Prenatal COVID-19. 2022 ,	0
145	The optimal anticoagulation strategy for COVID-19, prophylactic or therapeutic?: a meta-analysis, trial sequential analysis, and meta-regression of more than 27,000 participants. 2022 , 2, 148-166	0
144	Druggable targets and therapeutic development for COVID-19. 10,	0
143	Androgens role in severity and mortality rates of COVID-19.	0

- 142 Determination of soluble angiotensin-converting enzyme 2 in saliva samples and its association with nicotine. **2022**, 114443 ○
- 141 Plasmonic Photonic Sensor: In Situ Detection and Quantification of SARS-CoV-2 Particles. ○
- 140 Molecular-Level Targets for the Development of Therapies Against Coronavirus Diseases. **2021**, 69-84 ○
- 139 LONG-COVID: AN OUTCOME OF MITOCHONDRIAL DYSFUNCTION (A BRIEF NARRATIVE REVIEW). **2022**, 22-27 ○
- 138 Advances in Targeting ACE2 for Developing COVID-19 Therapeutics. 1
- 137 A snapshot of protein trafficking in SARS-CoV-2 infection. 1
- 136 Nitric oxide and its derivatives containing nasal spray and inhalation therapy for the treatment of COVID-19. **2022**, 29, ○
- 135 Narrative Review of New Insight into the Influence of the COVID-19 Pandemic on Cardiovascular Care. **2022**, 58, 1554 ○
- 134 Genetic Association between ACE2 (rs2285666 and rs2074192) and TMPRSS2 (rs12329760 and rs2070788) Polymorphisms with Post-COVID Symptoms in Previously Hospitalized COVID-19 Survivors. **2022**, 13, 1935 1
- 133 Synergistic effect of myocardial injury and mid-regional proAdrenomedullin elevation in determining clinical outcomes of SARS-CoV-2 patients. 9, ○
- 132 Hydrogen sulfide in diabetic complications revisited: the state of the art, challenges, and future directions. ○
- 131 Quantum tunnelling in the context of SARS-CoV-2 infection. **2022**, 12, ○
- 130 Atypical Viral Infections in Gastroenterology. **2022**, 10, 87 ○
- 129 Antiviral and Anti-Inflammatory Plant-Derived Bioactive Compounds and Their Potential Use in the Treatment of COVID-19-Related Pathologies. **2022**, 12, 289-306 1
- 128 Cardiovascular Complications of COVID-19 among Pregnant Women and Their Fetuses: A Systematic Review. **2022**, 11, 6194 ○
- 127 Increased circulating microparticles contribute to severe infection and adverse outcomes of COVID-19 patients with diabetes. ○
- 126 Acute Myocardial Infarction Complicating Coronavirus Infection (Case Report). **2022**, 18, 18-23 ○
- 125 Cereals as a Source of Bioactive Compounds with Anti-Hypertensive Activity and Their Intake in Times of COVID-19. **2022**, 11, 3231 ○

124	A Bitter Experience That Enlightens the Future: COVID-19 Neurological Affection and Perspectives on the Orexigenic System. 2022,	0
123	Zebrafish models of COVID-19.	2
122	Chemical Compositions of Clove (<i>Syzygium aromaticum</i> (L.) Merr. & L.) Extracts and Their Potentials in Suppressing SARS-CoV-2 Spike Protein-ACE2 Binding, Inhibiting ACE2, and Scavenging Free Radicals.	1
121	Mutations in SARS-CoV-2: Insights on structure, variants, vaccines, and biomedical interventions. 2023, 157, 113977	2
120	Role of neuroinflammation mediated potential alterations in adult neurogenesis as a factor for neuropsychiatric symptoms in Post-Acute COVID-19 syndrome: A narrative review. 10, e14227	0
119	Thrombotic storm in coronavirus disease 2019: from underlying mechanisms to its management. 2022, 71,	1
118	Neurotropic SARS-CoV-2: Causalities and Realities.	0
117	Viral Infection and Antiviral Treatments in Ocular Pathologies. 2022, 10, 2224	0
116	Proteolysis and Deficiency of H-Proteinase Inhibitor in SARS-CoV-2 Infection. 2022, 16, 271-291	0
115	Meta-analysis of 16S rRNA microbial data identified alterations of the gut microbiota in COVID-19 patients during the acute and recovery phases. 2022, 22,	2
114	Acute Hemorrhagic Leukoencephalitis (AHLE): A Comprehensive Review on Causes, Symptoms, Link with COVID-19, Diagnosis, and Treatment. 2022, 2022, 1-9	0
113	Clinical assessment of endothelial function in convalescent COVID-19 patients: a meta-analysis with meta-regressions. 2022, 54, 3234-3249	2
112	Vascular dysfunction in COVID-19 patients: update on SARS-CoV-2 infection of endothelial cells and the role of long non-coding RNAs. 2022, 136, 1571-1590	0
111	Angiotensin-Converting Enzyme 2-Based Biosensing Modalities and Devices for Coronavirus Detection. 2022, 12, 984	0
110	Changes in serum levels of apelin and nitric oxide in hospitalized patients with COVID-19: association with hypertension, diabetes, obesity, and severity of disease. 2022, 27,	0
109	Structural analysis of a simplified model reproducing SARS-CoV-2 S RBD/ACE2 binding site. 2022, 8, e11568	0
108	Long Chain N3-PUFA Decreases ACE2 Protein Levels and Prevents SARS-CoV-2 Cell Entry. 2022, 23, 13825	0
107	Is the prognosis of non-hypertensive, COVID-19 patients treated with renin-angiotensin-aldosterone system inhibitors more uncertain?. 2022, 10,	0

- 106 Effect of severe acute respiratory syndrome coronavirus 2 infection during pregnancy in K18-hACE2 transgenic mice. **2023**, 36, 43-52 ○
- 105 Dysrhythmias associated with COVID-19: Review and management considerations. **2023**, 64, 161-168 ○
- 104 Counter-regulatory renin-angiotensin system in hypertension: Review and update in the era of COVID-19 pandemic. **2023**, 208, 115370 ○
- 103 Retinal artery occlusion and COVID-19. **2022**, 10, 135 ○
- 102 Application of smart responsive materials in phosphopeptide and glycopeptide enrichment. **2022**, 40, 862-871 ○
- 101 SARS-CoV-2 Envelope-mediated Golgi pH dysregulation interferes with ERAAP retention in cells. ○
- 100 Favourable outcomes of conservatively managed acute abdomen associated with multisystem inflammatory syndrome in children during the COVID -19 pandemic. ○
- 99 Incidence and predictors of diabetes mellitus among severe COVID-19 patients in western Ethiopia: a retrospective cohort study. 1-7 ○
- 98 An update on angiotensin-converting enzyme 2 structure/functions, polymorphism, and duplicitous nature in the pathophysiology of coronavirus disease 2019: Implications for vascular and coagulation disease associated with severe acute respiratory syndrome coronavirus infection. 13, ○
- 97 Meet changes with constancy: Defence, antagonism, recovery, and immunity roles of extracellular vesicles in confronting SARS-CoV-2. **2022**, 11, 12288 ○
- 96 Evaluation of the effects of COVID -19 disease and the trimester in which the disease is diagnosed on obstetric and neonatal outcomes: A retrospective cohort study. ○
- 95 Post COVID-19 Retinal Evaluation Using Optical Coherence Tomography Angiography: A Case Control Study. 1-9 ○
- 94 Pathophysiology and Pathogenic Mechanisms of Pulmonary Hypertension: Role of Membrane Receptors, Ion Channels and Ca²⁺ Signaling. 1
- 93 The spike effect of acute respiratory syndrome coronavirus 2 and coronavirus disease 2019 vaccines on blood pressure. **2022**, ○
- 92 Circulating angiotensin converting enzyme 2 and COVID-19. 10, 12470-12483 ○
- 91 A Closer Look at ACE2 Signaling Pathway and Processing during COVID-19 Infection: Identifying Possible Targets. **2023**, 11, 13 1
- 90 Evaluation the efficacy and safety of N-acetylcysteine inhalation spray in controlling the symptoms of patients with COVID-19: An open-label randomized controlled clinical trial. **2023**, 95, ○
- 89 SARS-CoV-2 variants infectivity prediction and therapeutic peptide design using computational approaches. 1-12 ○

88	Host-Cell Surface Binding Targets in SARS-CoV-2 for Drug Design. 2022 , 28, 3583-3591	1
87	Interactions of angiotensin-converting enzyme-2 (ACE2) and SARS-CoV-2 spike receptor-binding domain (RBD): a structural perspective.	0
86	Acute worsening of CADASIL in a patient with COVID-19 infection: illustrative case. 2022 , 4,	0
85	Genetic Variants and Protective Immunity against SARS-CoV-2. 2022 , 13, 2355	0
84	Upregulation of PD-L1 by SARS-CoV-2 promotes immune evasion. 2023 , 95,	0
83	COVID-19 and Antihypertensive Treatment. 2022 , 303-316	0
82	Rethinking the Role of the Renin-Angiotensin System in the Pandemic Era of SARS-CoV-2. 2023 , 10, 14	0
81	S Protein, ACE2 and Host Cell Proteases in SARS-CoV-2 Cell Entry and Infectivity; Is Soluble ACE2 a Two Blade Sword? A Narrative Review. 2023 , 11, 204	1
80	ACE2 PET to reveal the dynamic patterns of ACE2 recovery in an infection model with pseudocorona virus. 2023 , 95,	0
79	Liver dysfunction-related COVID-19: A narrative review. 11, 5-17	0
78	Endothelial dysfunction in patients with COVID-19 is a key mechanism for the development of complications. 2023 , 19, 37-44	0
77	Human Coronavirus Cell Receptors Provide Challenging Therapeutic Targets. 2023 , 11, 174	0
76	Influence of SARS-CoV-2 on Adult Human Neurogenesis. 2023 , 12, 244	0
75	Potential multifunctional components explored in Chinese herbal medicine against hepatitis B combining multi-target affinity ultrafiltration HPLC/MS. 2023 , 3, 100412	0
74	Hemodynamic changes in patients with SARS-CoV-2 infection presenting for cesarean delivery under spinal anesthesia: a retrospective case-control study. 2023 , 53, 103624	0
73	Therapeutic potential of green tea catechin, (-)-epigallocatechin-3-O-gallate (EGCG) in SARS-CoV-2 infection: Major interactions with host/virus proteases. 2023 , 3, 100402	0
72	COVID-19: Cardiology Perspective. 2023 , 361-388	0
71	COVID-19 phenomics. 2023 , 191-218	0

- 70 Links between COVID-19 and Alzheimer's Disease What Do We Already Know?. **2023**, 20, 2146 ○
- 69 SARS-CoV-2 Infection: A Clinical and Histopathological Study in Pregnancy. **2023**, 12, 174 1
- 68 SARS-CoV-2 induced changes in the lungs based on autopsy cases. **2023**, 66, 19 ○
- 67 Gut microbiome and COVID-19. **2023**, 263-277 ○
- 66 In silico analysis of white turmeric chlorogenic acid compound as angiotensin-converting Enzyme-2 (ACE2) inhibitor for COVID-19 drug candidate. **2023**, ○
- 65 Linfopenia como predictor de severidad en pacientes con infección por SARS-CoV-2. 51, ○
- 64 Role of vitamin D in modulating the immune response to SARS-CoV-2 and other coronavirus infections. **2023**, 26, 95 ○
- 63 Antiviral Effects of Fructans. **2023**, 297-310 ○
- 62 ACE2 in pulmonary diseases. **2023**, 285-316 ○
- 61 Neurological complications and effects of COVID-19: Symptoms and conceivable mechanisms. **2023**, ○
- 60 Chronic alcohol consumption and COVID -19 infection risk: A narrative review. ○
- 59 SARS-CoV-2 Angiotensin Converting Enzyme 2 (ACE2) Receptor Expression and Its Effects on COVID-19 Epidemiology in Children. ○
- 58 Identification of the regulatory mechanism of ACE2 in COVID-19-induced kidney damage with systems genetics approach. **2023**, 101, 449-460 ○
- 57 Correlations of renal parenchymal attenuations and CT severity scores on three consecutive CTs in COVID-19 patients. **2023**, 6, 487-493 ○
- 56 Refractive index based optically transparent biosensor device design for early detection of coronavirus. **2023**, 55, ○
- 55 COVID-19 delirium and encephalopathy: Pathophysiology assumed in the first 3 years of the ongoing pandemic. **2023**, 10, 100074 ○
- 54 Tripeptide IRW Improves AMPK/eNOS Signaling Pathway via Activating ACE2 in the Aorta of High-Fat-Diet-Fed C57BL/6 Mice. **2023**, 12, 556 ○
- 53 A Comprehensive Mini-review on COVID-19 Pathogenesis on Perspectives of Cytokine Storm and Recent Developments in Anti-Covid Nucleotide Analogues. **2023**, 17, 1-11 ○

- 52 Angiotensin-converting enzyme 2 at the heart of the COVID-19 pandemic. **2023**, 186, 906-922 ○
- 51 Impact of COVID-19 on the cardiovascular health of women: a review by the Italian Society of Cardiology Working Group on Gender cardiovascular diseases **2023**, 24, e15-e23 ○
- 50 Real-time viral detection through electrolyte-gated field effect transistors: possibility of rapid COVID-19 detection. 1-27 ○
- 49 Endogenous miRNA-Based Innate-Immunity against SARS-CoV-2 Invasion of the Brain. **2023**, 24, 3363 ○
- 48 Chronic alcohol intake regulates expression of SARS-CoV2 infection-relevant genes in an organ-specific manner. **2023**, 47, 76-86 2
- 47 Investigation of Neurological Complications after COVID-19 Vaccination: Report of the Clinical Scenarios and Review of the Literature. **2023**, 11, 425 ○
- 46 How the Competition for Cysteine May Promote Infection of SARS-CoV-2 by Triggering Oxidative Stress. **2023**, 12, 483 ○
- 45 Long COVID: Clinical Framing, Biomarkers, and Therapeutic Approaches. **2023**, 13, 334 1
- 44 The impact of COVID-19 and COVID vaccination on cardiovascular outcomes. **2023**, 25, A42-A49 ○
- 43 Spike-Induced Disturbances (SPAS*): An Analysis of Common Suspected Adverse Experiences Associated With Covid-19 Vaccines. ○
- 42 CDK4/6 inhibitor palbociclib promotes SARS-CoV-2 cell entry by down-regulating SKP2 dependent ACE2 degradation. **2023**, 212, 105558 ○
- 41 Protein nanopore reveals the renin-angiotensin system crosstalk with single-amino-acid resolution. **2023**, 15, 578-586 ○
- 40 Regulating the microenvironment with nanomaterials: Potential strategies to ameliorate COVID-19. **2023**, ○
- 39 Acute Kidney Injury during Coronavirus Disease in Togo. **2023**, 13, 8-15 ○
- 38 The role of interleukin-6 and janus kinases in the pathogenesis, and treatment of SARS-CoV-2. **2022**, 9, 17-32 ○
- 37 ⁶⁸Ga-cyc-DX600 PET/CT in ACE2-targeted tumor imaging. ○
- 36 COVID-19 Biogenesis and Intracellular Transport. **2023**, 24, 4523 2
- 35 Effects of PM2.5 Exposure on the ACE/ACE2 Pathway: Possible Implication in COVID-19 Pandemic. **2023**, 20, 4393 ○

- 34 Role of angiotensin in different malignancies. **2023**, 505-544 ○
- 33 Potential use of renin-angiotensin-aldosterone system inhibitors to reduce COVID-19 severity. **2023**, 42, 373-383 1
- 32 Increased platelet activation and lower platelet-monocyte aggregates in COVID-19 patients with severe pneumonia. **2023**, 18, e0282785 ○
- 31 Effect of olmesartan and amlodipine on serum angiotensin-(1 α) levels and kidney and vascular function in patients with type 2 diabetes and hypertension. **2023**, 15, ○
- 30 COVID-19-Induced Myocarditis: Pathophysiological Roles of ACE2 and Toll-like Receptors. **2023**, 24, 5374 ○
- 29 Comprehensive Bioinformatics analysis of angiotensin-converting enzyme 2 (ACE2). ○
- 28 Emerging Contributions of Endocrine Pathophysiology in Virus-Related Infectious Disease: Focus on the RAAS in COVID-19 and HIV. **2023**, 53-77 ○
- 27 Impact of the COVID -19 pandemic on clinical autonomic practice in Europe: a survey of the European Academy of Neurology and the European Federation of Autonomic Societies. ○
- 26 SARS-Cov-2 Infection In Patients With Gaucher Disease: Why Is It Better Than Expected?. ○
- 25 Exploration of the common genetic landscape of COVID-19 and male infertility. 14, ○
- 24 Acute kidney injury in diabetes mellitus: Epidemiology, diagnostic, and therapeutic concepts. **2023**, 37, ○
- 23 Serum Angiotensin II as a Biomarker in COVID-19. **2023**, 917-940 ○
- 22 Dietary fish intake increased the concentration of soluble ACE2 in rats: can fish consumption reduce the risk of COVID-19 infection through interception of SARS-CoV-2 by soluble ACE2?. 1-8 ○
- 21 Reviews of drug candidates for COVID-19. 36, 219-226 ○
- 20 SARS-CoV-2 infection alters the gut microbiome in diabetes patients: A cross-sectional study from Bangladesh. **2023**, 95, ○
- 19 OCTA evaluation of posterior ocular blood flow in patients after COVID-19 infection without pneumonia. **2023**, ○
- 18 Association of ACE ID, MTHFR C677T, and MIF-173GC variants with the clinical course of COVID-19 patients. 1-15 ○
- 17 Uncovering the Role of N-Glycan Occupancy on the Cooperative Assembly of Spike and Angiotensin Converting Enzyme 2 Complexes: Insights from Glycoengineering and Native Mass Spectrometry. **2023**, 145, 8021-8032 ○

- 16 COVID-19 and Diarylamidines: The Parasitic Connection. **2023**, 24, 6583
- 15 Single Nucleotide Variants (SNVs) of Angiotensin-Converting Enzymes (ACE1 and ACE2): A Plausible Explanation for the Global Variation in COVID-19 Prevalence. **2023**, 2023, 1-7
- 14 A Review of Pathology and Analysis of Approaches to Easing Kidney Disease Impact: Host-Pathogen Communication and Biomedical Visualization Perspective. **2023**, 41-57
- 13 SARS-CoV-2: Structure, Pathogenesis, and Diagnosis. **2024**, 24-51
- 12 Neurological damages in COVID-19 patients: Mechanisms and preventive interventions. **2023**, 4,
- 11 Spatial Distribution of SARS-CoV-2 Receptors and Proteases in Testicular Cells. 002215542311689
- 10 Effect of Angiotensin-Converting Enzyme Inhibitor and Angiotensin Receptor Blocker Initiation on Organ Support-Free Days in Patients Hospitalized With COVID-19. **2023**, 329, 1183
- 9 P38 MAPK activated ADAM17 mediates ACE2 shedding and promotes cardiac remodeling and heart failure after myocardial infarction. **2023**, 21,
- 8 Correlation of covid-19 and Guillain-Barré syndrome: A Mechanistic Perspective. **2023**, 100493
- 7 Evaluation of the retina with optical coherence tomography angiography (OCTA) in patients with coronavirus (COVID-19) infection. **2023**,
- 6 The effects of exogenous estrogen in women with SAR-CoV-2 infection: a systematic review and meta-analysis.
- 5 The role of the renin-angiotensin-aldosterone system in the development of cardiovascular complications in COVID-19. **2023**, 14, 98-118
- 4 Signaling pathways in vascular function and hypertension: molecular mechanisms and therapeutic interventions. **2023**, 8,
- 3 Right ventricular free wall longitudinal strain assessment using offline speckle tracking in COVID-19 patients requiring intensive medical care.
- 2 Comparative Cohort Study of Post-Acute Covid-19 Infection with a Nested, Randomized Controlled Trial of Ivabradine for Those With Postural Orthostatic Tachycardia Syndrome (The COVIVA Study).
- 1 Effect of the Angiotensin-Converting Enzyme (ACE) (I/D) Polymorphism in COVID-19 Patients and Their Healthy Contacts. **2023**,