CITATION REPORT List of articles citing

Coronavirus Disease 2019 (COVID-19) and Cardiovascular Disease: A Viewpoint on the Potential Influence of Angiotensin-Converting Enzyme Inhibitors/Angiotensin Receptor Blockers on Onset and Severity of Severe Acute Respiratory Syndrome Coronavirus 2 Infection

DOI: 10.1161/jaha.120.016219 Journal of the American Heart Association, 2020, 9, e016219.

Source: https://exaly.com/paper-pdf/77010064/citation-report.pdf

Version: 2024-04-09

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

| # | Paper | IF | Citations |
|-----|--|-----|-----------|
| 348 | Angiotensin-converting enzyme inhibitors or angiotensin II receptor blockers and prognosis of hypertensive patients hospitalised with COVID-19. 2020 , 50, 1483-1491 | | 11 |
| 347 | Antecedent Administration of Angiotensin-Converting Enzyme Inhibitors or Angiotensin II Receptor Antagonists and Survival After Hospitalization for COVID-19 Syndrome. <i>Journal of the American Heart Association</i> , 2020 , 9, e017364 | 6 | 18 |
| 346 | Angiotensin-converting enzyme 2: A protective factor in regulating disease virulence of SARS-COV-2. 2020 , 72, 2533-2545 | | 8 |
| 345 | The Potential Role of Coagulation Factor Xa in the Pathophysiology of COVID-19: A Role for Anticoagulants as Multimodal Therapeutic Agents. 2020 , 4, e288-e299 | | 15 |
| 344 | Research Progress of Genetic Structure, Pathogenic Mechanism, Clinical Characteristics, and Potential Treatments of Coronavirus Disease 2019. 2020 , 11, 1327 | | 3 |
| 343 | COVID-19 associated complications and potential therapeutic targets. 2020 , 886, 173548 | | 10 |
| 342 | ACEIs and ARBs and Their Correlation with COVID-19: A Review. 2020 , 13, 3217-3224 | | 15 |
| 341 | COVID's Razor: RAS Imbalance, the Common Denominator Across Disparate, Unexpected Aspects of COVID-19. 2020 , 13, 3169-3192 | | 4 |
| 340 | Higher mortality of COVID-19 in males: sex differences in immune response and cardiovascular comorbidities. 2020 , 116, 2197-2206 | | 62 |
| 339 | Older age and frailty are the chief predictors of mortality in COVID-19 patients admitted to an acute medical unit in a secondary care setting- a cohort study. 2020 , 20, 409 | | 51 |
| 338 | Increased Plasma Heparanase Activity in COVID-19 Patients. Frontiers in Immunology, 2020, 11, 575047 | 8.4 | 49 |
| 337 | Potential Inhibitors for SARS-CoV-2 and Functional Food Components as Nutritional Supplement for COVID-19: A Review. 2020 , 75, 458-466 | | 19 |
| 336 | The Role of Smoking and Nicotine in the Transmission and Pathogenesis of COVID-19. 2020 , 375, 498-5 | 09 | 15 |
| 335 | SARS-CoV-2 receptor networks in diabetic and COVID-19-associated kidney disease. 2020 , 98, 1502-151 | 8 | 33 |
| 334 | Drugs targeting various stages of the SARS-CoV-2 life cycle: Exploring promising drugs for the treatment of Covid-19. 2020 , 74, 109721 | | 63 |
| 333 | Intoxication With Endogenous Angiotensin II: A COVID-19 Hypothesis. <i>Frontiers in Immunology</i> , 2020 , 11, 1472 | 8.4 | 19 |
| 332 | Mild and Asymptomatic Covid-19 Infections: Implications for Maternal, Fetal, and Reproductive Health. 2020 , 2, | | 5 |

| 331 | SARS-CoV-2 and the cardiovascular system. 2020 , 510, 311-316 | 4 |
|-----|--|-----|
| 330 | An updated insight into the molecular pathogenesis, secondary complications and potential therapeutics of COVID-19 pandemic. 2020 , 257, 118105 | 30 |
| 329 | Uso teraplitico de los inhibidores de la enzima convertidora de angiotensina en pacientes con COVID-19: las «dos caras de la moneda». 2020 , 27, 212-222 | |
| 328 | Vascular Manifestations of COVID-19 - Thromboembolism and Microvascular Dysfunction. <i>Frontiers in Cardiovascular Medicine</i> , 2020 , 7, 598400 | 27 |
| 327 | Haemodynamic characteristics of COVID-19 patients with acute respiratory distress syndrome requiring mechanical ventilation. An invasive assessment using right heart catheterization. 2020 , 22, 2228-2237 | 34 |
| 326 | Cardiovascular Disease and SARS-CoV-2: the Role of Host Immune Response Versus Direct Viral Injury. 2020 , 21, | 2 |
| 325 | Comparative analysis between the use of renin-angiotensin system antagonists and clinical outcomes of hospitalized patients with COVID-19 respiratory infection. 2020 , 155, 473-481 | 4 |
| 324 | Understanding the Clinical Features of Coronavirus Disease 2019 From the Perspective of Aging: A Systematic Review and Meta-Analysis. 2020 , 11, 557333 | 8 |
| 323 | Molecular dynamics simulation perception study of the binding affinity performance for main protease of SARS-CoV-2. 2020 , 1-16 | 9 |
| 322 | Perinatal COVID-19 outcomes: evaluating the strength of current evidence. 2020 , 1-7 | 1 |
| 321 | A Systematic Review of the Cardiovascular Manifestations and Outcomes in the Setting of Coronavirus-19 Disease. 2020 , 14, 1179546820977196 | 23 |
| 320 | SARS-CoV-2 Infection in Cancer Patients: Effects on Disease Outcomes and Patient Prognosis. 2020 , 12, | 9 |
| 319 | Impact of COVID-19 on neurological manifestations: an overview of stroke presentation in pandemic. 2020 , 41, 2675-2679 | 16 |
| 318 | Pathogenesis of SARS-CoV-2 induced cardiac injury from the perspective of the virus. 2020 , 147, 12-17 | 19 |
| 317 | Neuroinvasion, neurotropic, and neuroinflammatory events of SARS-CoV-2: understanding the neurological manifestations in COVID-19 patients. 2020 , 41, 2657-2669 | 144 |
| 316 | COVID-19: A Concern for Cardiovascular Disease Patients. 2020 , 20, 443-447 | 4 |
| 315 | Angiotensin-converting enzyme 2 (ACE2) receptor and SARS-CoV-2: Potential therapeutic targeting. 2020 , 884, 173455 | 45 |
| 314 | [Comparative analysis between the use of renin-angiotensin system antagonists and clinical outcomes of hospitalized patients with COVID-19 respiratory infection]. 2020 , 155, 473-481 | 5 |

| 313 | Focus on clinical practice: angiotensin-converting enzyme 2 and corona virus disease 2019: pathophysiology and clinical implications. 2020 , 21, 630-633 | 7 |
|-----|---|-----|
| 312 | Second Update for Anaesthetists on Clinical Features of COVID-19 Patients and Relevant Management. 2020 , 9, | 1 |
| 311 | Outcomes of COVID-19 Hospitalized Patients Previously Treated with Renin-Angiotensin System Inhibitors. 2020 , 9, | 4 |
| 310 | Clinical and imaging features of pediatric COVID-19. 2020 , 46, 153 | 8 |
| 309 | Subclinical elevated B-type Natriuretic Peptide (BNP) indicates endothelial dysfunction contributing to hypoxia susceptibility in healthy individuals. 2020 , 260, 118408 | 3 |
| 308 | Catecholamine physiology and its implications in patients with COVID-19. 2020 , 8, 978-986 | 19 |
| 307 | Understanding the complexities of SARS-CoV2 infection and its immunology: A road to immune-based therapeutics. 2020 , 88, 106980 | 20 |
| 306 | ACE2 localizes to the respiratory cilia and is not increased by ACE inhibitors or ARBs. 2020 , 11, 5453 | 100 |
| 305 | Therapeutic modalities and novel approaches in regenerative medicine for COVID-19. 2020, 56, 106208 | 15 |
| 304 | Designed variants of ACE2-Fc that decouple anti-SARS-CoV-2 activities from unwanted cardiovascular effects. 2020 , 165, 1626-1633 | 10 |
| 303 | Cardiovascular patients in COVID-19 era, a case series, an experience from a tertiary cardiovascular center in Tehran, Iran. 2020 , 8, 2436 | 10 |
| 302 | African League Against Rheumatism (AFLAR) preliminary recommendations on the management of rheumatic diseases during the COVID-19 pandemic. 2021 , 40, 3445-3454 | 8 |
| 301 | Virtual screening and molecular dynamics study of approved drugs as inhibitors of spike protein S1 domain and ACE2 interaction in SARS-CoV-2. 2020 , 101, 107716 | 40 |
| 300 | Hypokalemia as a sensitive biomarker of disease severity and the requirement for invasive mechanical ventilation requirement in COVID-19 pneumonia: A case series of 306 Mediterranean patients. 2020 , 100, 449-454 | 31 |
| 299 | Cardiovascular Complications Associated with COVID-19 and Potential Therapeutic~Strategies. 2020 , 21, | 32 |
| 298 | COVID-19 and the Cardiovascular System. 2020 , 43, 381-389 | 6 |
| 297 | Anticipating and managing coagulopathy and thrombotic manifestations of severe COVID-19. 2020 , 192, E1156-E1161 | 19 |
| 296 | Blood pressure control and adverse outcomes of COVID-19 infection in patients with concomitant hypertension in Wuhan, China. 2020 , 43, 1267-1276 | 55 |

(2020-2020)

| 295 | Could Mesenchymal Stem Cell-Derived Exosomes Be a Therapeutic Option for Critically Ill COVID-19 Patients?. 2020 , 9, | 11 |
|-------------|--|----|
| 294 | COVID-19 and Comorbid Hypertension: Is ACE2 the Culprit?. 2020 , 35, 700-701 | 1 |
| 293 | COVID-19 Outbreak: Pathogenesis, Current Therapies, and Potentials for Future Management. 2020 , 11, 563478 | 30 |
| 292 | Low Baseline Pulmonary Levels of Cytotoxic Lymphocytes as a Predisposing Risk Factor for Severe COVID-19. 2020 , 5, | 3 |
| 291 | COVID-19 in adult patients with pre-existing chronic cardiac, respiratory and metabolic disease: a critical literature review with clinical recommendations. 2020 , 6, 16 | 34 |
| 290 | MicroRNAs targeting the SARS-CoV-2 entry receptor ACE2 in cardiomyocytes. 2020 , 148, 46-49 | 47 |
| 289 | The Pathophysiology, Diagnosis and Treatment of Corona Virus Disease 2019 (COVID-19). 2020 , 35, 1-12 | 9 |
| 288 | Neonatal and Children's Immune System and COVID-19: Biased Immune Tolerance versus Resistance Strategy. 2020 , 205, 1990-1997 | 12 |
| 287 | Association between renin-angiotensin-aldosterone system inhibitor treatment, neutrophil-lymphocyte ratio, D-Dimer and clinical severity of COVID-19 in hospitalized patients: a multicenter, observational study. 2021 , 35, 588-597 | 13 |
| 286 | 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 |
| 285 | A potential hypothesis for 2019-nCoV infection therapy through delivery of recombinant ACE2 by red blood cell-hitchhiking. 2020 , 27, | O |
| 284 | Hypertensive Crisis in Pregnancy with COVID19: Confirmed with rt-PCR for Nasopharyngeal Swab. 2020 , 2020, 8868952 | 2 |
| 283 | Recent updates on COVID-19: A holistic review. 2020 , 6, e05706 | 12 |
| 282 | Renin-angiotensin-aldosterone system inhibitors and the risk of mortality in patients with hypertension hospitalised for COVID-19: systematic review and meta-analysis. 2020 , 7, | 22 |
| 281 | Ischemic Heart Disease Pathophysiology Paradigms Overview: From Plaque Activation to Microvascular Dysfunction. 2020 , 21, | 53 |
| 2 80 | The impact of COVID-19 on vascular training. 2020 , 72, 380-381 | 7 |
| 279 | Coronavirus disease 2019 (COVID-19) and the renin-angiotensin system: A closer look at angiotensin-converting enzyme 2 (ACE2). 2020 , 57, 339-350 | 18 |
| 278 | COVID-19, an opportunity to reevaluate the correlation between long-term effects of anthropogenic pollutants on viral epidemic/pandemic events and prevalence. 2020 , 141, 111418 | 83 |

| 277 | Renin-Angiotensin-Aldosterone System Inhibitors and Outcome in Patients With SARS-CoV-2 Pneumonia: A Case Series Study. 2020 , 76, e10-e12 | 48 |
|-----|---|-----|
| 276 | Hypertension, Thrombosis, Kidney Failure, and Diabetes: Is COVID-19 an Endothelial Disease? A Comprehensive Evaluation of Clinical and Basic Evidence. 2020 , 9, | 285 |
| 275 | Venous Thromboembolism Complicated with COVID-19: What Do We Know So Far?. 2020 , 143, 417-424 | 69 |
| 274 | COVID-19 cytokine storm: The anger of inflammation. 2020 , 133, 155151 | 224 |
| 273 | Protective role of ACE2 and its downregulation in SARS-CoV-2 infection leading to Macrophage Activation Syndrome: Therapeutic implications. 2020 , 256, 117905 | 77 |
| 272 | Prognostic Value of Cardiovascular Biomarkers in COVID-19: A Review. <i>Viruses</i> , 2020 , 12, 6.2 | 37 |
| 271 | Could the smoking gun in the fight against COVID-19 be the (rh)ACE-2?. 2020 , 56, | 11 |
| 270 | COVID-19 and heart failure: from infection to inflammation and angiotensin II stimulation. Searching for evidence from a new disease. 2020 , 22, 957-966 | 137 |
| 269 | Pathophysiology of COVID-19: Why Children Fare Better than Adults?. 2020 , 87, 537-546 | 142 |
| 268 | Hypertension is associated with increased mortality and severity of disease in COVID-19 pneumonia: A systematic review, meta-analysis and meta-regression. 2020 , 21, 1470320320926899 | 148 |
| 267 | Use of renin-angiotensin-aldosterone system inhibitors and risk of COVID-19 requiring admission to hospital: a case-population study. 2020 , 395, 1705-1714 | 251 |
| 266 | Neurological manifestations of COVID-19 and other coronavirus infections: A systematic review. 2020 , 194, 105921 | 305 |
| 265 | Targeting Neprilysin (NEP) pathways: A potential new hope to defeat COVID-19 ghost. 2020 , 178, 114057 | 22 |
| 264 | COVID-19 - Does This Disease Kill Due to Imbalance of the Renin Angiotensin System (RAS) Caused by Genetic and Gender Differences in the Response to Viral ACE 2 Attack?. 2020 , 29, 964-972 | 12 |
| 263 | Managing patients with rheumatic diseases during the COVID-19 pandemic: The French Society of Rheumatology answers to most frequently asked questions up to May 2020. 2020 , 87, 431-437 | 12 |
| 262 | Involvement of cardiovascular system as the critical point in coronavirus disease 2019 (COVID-19) prognosis and recovery. 2020 , 61, 381-395 | 29 |
| 261 | The Impact of the COVID-19 "Infodemic" on Drug-Utilization Behaviors: Implications for Pharmacovigilance. 2020 , 43, 699-709 | 31 |
| 260 | COVID-19 and comorbidities: a systematic review and meta-analysis. 2020 , 132, 749-755 | 88 |

| 259 | COVID-19 Pandemic: Cardiovascular Complications and Future Implications. 2020 , 20, 311-324 | | 63 | |
|-----|--|-----|-----|--|
| 258 | Thoughts on the alveolar phase of COVID-19. 2020 , 319, L115-L120 | | 50 | |
| 257 | A promising antiviral candidate drug for the COVID-19 pandemic: A mini-review of remdesivir. 2020 , 201, 112527 | | 52 | |
| 256 | What would SEgio Ferreira say to your physician in this war against COVID-19: How about kallikrein/kinin system?. 2020 , 143, 109886 | | 14 | |
| 255 | A Comparison Between Chinese Children Infected with Coronavirus Disease-2019 and with Severe Acute Respiratory Syndrome 2003. 2020 , 224, 30-36 | | 19 | |
| 254 | The Prevention and Management of COVID-19: Seeking a Practical and Timely Solution. 2020, 17, | | 8 | |
| 253 | COVID-19 and the heart: An update for clinicians. 2020 , 43, 1216-1222 | | 18 | |
| 252 | Vitamin D receptor stimulation to reduce acute respiratory distress syndrome (ARDS) in patients with coronavirus SARS-CoV-2 infections: Revised Ms SBMB 2020_166. 2020 , 202, 105719 | | 72 | |
| 251 | Endothelial cell dysfunction: a major player in SARS-CoV-2 infection (COVID-19)?. 2020, 56, | | 177 | |
| 250 | COVID-19 and the cardiovascular system: A review of current data, summary of best practices, outline of controversies, and illustrative case reports. 2020 , 226, 174-187 | | 8 | |
| 249 | Coronavirus Disease 2019 (COVID-19) and Cardiovascular Disease: A Viewpoint on the Potential Influence of Angiotensin-Converting Enzyme Inhibitors/Angiotensin Receptor Blockers on Onset and Severity of Severe Acute Respiratory Syndrome Coronavirus 2 Infection. <i>Journal of the American Heart Association</i> , 2020 , 9, e016219 | 6 | 292 | |
| 248 | Coronavirus Disease 2019 (COVID-19): Do Angiotensin-Converting Enzyme Inhibitors/Angiotensin Receptor Blockers Have a Biphasic Effect?. <i>Journal of the American Heart Association</i> , 2020 , 9, e016509 | 6 | 159 | |
| 247 | Overview: Systemic Inflammatory Response Derived From Lung Injury Caused by SARS-CoV-2 Infection Explains Severe Outcomes in COVID-19. <i>Frontiers in Immunology</i> , 2020 , 11, 1626 | 8.4 | 74 | |
| 246 | Drug targets for COVID-19 therapeutics: Ongoing global efforts. 2020 , 45, 1 | | 54 | |
| 245 | The Rapid Transformation of Cardiac Surgery Practice in the Coronavirus Disease 2019 (COVID-19) Pandemic: Insights and Clinical Strategies From a Center at the Epicenter. 2020 , 110, 1108-1118 | | 11 | |
| 244 | The rapid transformation of cardiac surgery practice in the coronavirus disease 2019 (COVID-19) pandemic: Insights and clinical strategies from a center at the epicenter. 2020 , 160, 937-947.e2 | | 18 | |
| 243 | Review of evidence on using ACEi and ARBs in patients with hypertension and COVID-19. 2020 , 36, 1-4 | | 3 | |
| 242 | The rapid transformation of cardiac surgery practice in the coronavirus disease 2019 (COVID-19) pandemic: insights and clinical strategies from a centre at the epicentre. 2020 , 58, 667-675 | | 9 | |

| 241 | Reversible Encephalopathy Syndrome (PRES) in a COVID-19 patient. 2020, 267, 3157-3160 | 56 |
|-----|---|-----|
| 240 | ACE2 as a Therapeutic Target for COVID-19; its Role in Infectious Processes and Regulation by Modulators of the RAAS System. 2020 , 9, | 19 |
| 239 | Revisiting potential druggable targets against SARS-CoV-2 and repurposing therapeutics under preclinical study and clinical trials: A comprehensive review. 2020 , 81, 919 | 17 |
| 238 | Long-term ACE Inhibitor/ARB Use Is Associated With Severe Renal Dysfunction and Acute Kidney Injury in Patients With Severe COVID-19: Results From a Referral Center Cohort in the Northeast of France. 2020 , 71, 2447-2456 | 33 |
| 237 | Current Perspectives on Coronavirus Disease 2019 and Cardiovascular Disease: A White Paper by the Editors. <i>Journal of the American Heart Association</i> , 2020 , 9, e017013 | 38 |
| 236 | Perspectives for the use of therapeutic Botulinum toxin as a multifaceted candidate drug to attenuate COVID-19. 2020 , 6, 100042 | 14 |
| 235 | SARS-CoV-2 receptor ACE2-dependent implications on the cardiovascular system: From basic science to clinical implications. 2020 , 144, 47-53 | 86 |
| 234 | Achieving a popliteal venous access for renal replacement therapy in critically ill COVID-19 patient in prone position. 2020 , 6, 266-268 | 11 |
| 233 | Diabetic ketoacidosis precipitated by Covid-19 in a patient with newly diagnosed diabetes mellitus. 2020 , 164, 108166 | 160 |
| 232 | Coronavirus Infections and Type 2 Diabetes-Shared Pathways with Therapeutic Implications. 2020 , 41, | 235 |
| 231 | Renin-angiotensin-aldosterone system and COVID-19 infection. 2020 , 81, 63-67 | 45 |
| 230 | Current status of potential therapeutic candidates for the COVID-19 crisis. 2020 , 87, 59-73 | 163 |
| 229 | Elevated Troponin in Patients With Coronavirus Disease 2019: Possible Mechanisms. 2020 , 26, 470-475 | 170 |
| 228 | Molecular chronicles of cytokine burst in patients with coronavirus disease 2019 (COVID-19) with cardiovascular diseases. 2021 , 161, e217-e226 | 6 |
| 227 | Severe Acute Respiratory Syndrome Coronavirus-2 Cardiovascular Complications: Implications for Cardiothoracic Anesthesiology. 2021 , 35, 932-943 | 1 |
| 226 | Emerging Human Coronavirus Infections (SARS, MERS, and COVID-19): Where They Are Leading Us. 2021 , 40, 5-53 | 13 |
| 225 | Covid-19 and the cardiovascular system: a comprehensive review. 2021 , 35, 4-11 | 90 |
| 224 | Renin-angiotensin system at the interface of COVID-19 infection. 2021 , 890, 173656 | 12 |

(2021-2021)

| 223 | Double trouble: combined cardiovascular effects of particulate matter exposure and coronavirus disease 2019. 2021 , 117, 85-95 | 7 |
|-----|---|-----|
| 222 | Mechanisms of COVID-19-induced cardiovascular disease: 1s sepsis or exosome the missing link?. 2021 , 236, 3366-3382 | 11 |
| 221 | Anti-inflammatory drugs and the renin-angiotensin-aldosterone system: Current knowledge and potential effects on early SARS-CoV-2 infection. 2021 , 291, 198190 | 7 |
| 220 | Myocarditis and inflammatory cardiomyopathy: current evidence and future directions. 2021 , 18, 169-193 | 194 |
| 219 | Angiotensin-converting enzyme 2 (ACE2): SARS-CoV-2 receptor and RAS modulator. 2021 , 11, 1-12 | 40 |
| 218 | A comprehensive guide to the pharmacologic regulation of angiotensin converting enzyme 2 (ACE2), the SARS-CoV-2 entry receptor. 2021 , 221, 107750 | 16 |
| 217 | COVID-19 and congenital heart disease: an insight of pathophysiology and associated risks. 2021 , 31, 233-240 | 12 |
| 216 | Overview of Targets and Potential Drugs of SARS-CoV-2 According to the Viral Replication. 2021 , 20, 49-59 | 12 |
| 215 | Are losartan and imatinib effective against SARS-CoV2 pathogenesis? A pathophysiologic-based in silico study. 2021 , 9, 1 | 16 |
| 214 | The Counter Regulatory Axis of the Lung Renin-Angiotensin System in Severe COVID-19: Pathophysiology and Clinical Implications. 2021 , 30, 786-794 | 8 |
| 213 | Correlating arterial blood gas, acid-base and blood pressure abnormalities with outcomes in COVID-19 intensive care patients. 2021 , 58, 95-101 | 12 |
| 212 | A case of malignant cerebral infarction associated with COVID-19 infection. 2021 , 35, 191-194 | 3 |
| 211 | Safety of ACE-I and ARB medications in COVID-19: A retrospective cohort study of inpatients and outpatients in California. 2021 , 5, e8 | 1 |
| 210 | The ACE2 as a Bescue proteinIbr Buspect enzymelIn COVID-19: possible application of the Bingineered inactive hrsACE2Ias a safer therapeutic agent in the treatment of SARS-CoV-2 infection. 2021 , 18, 495-502 | 4 |
| 209 | Coronavirus disease (COVID-19) and the endothelium. 2021 , 205-211 | |
| 208 | Health Promotion to Reduce Hypertension Patients Vulnerability to Coronavirus Disease-19 (COVID-19). 2021 , 34, 99-102 | |
| 207 | Bioinformatics and system biology approach to identify the influences of COVID-19 on cardiovascular and hypertensive comorbidities. 2021 , 22, 1387-1401 | 17 |
| 206 | A super learner ensemble of 14 statistical learning models for predicting COVID-19 severity among patients with cardiovascular conditions. 2021 , 5, 100030 | 4 |

| 205 | Renin-Angiotensin-Aldosterone System (RAAS) Inhibitors and Coronavirus Disease 2019 (COVID-19). 2021 , 114, 51-56 | 8 |
|-----|--|-----|
| 204 | IPG as a new method to improve the agility of the initial analysis of the inventive design. 2021 , 49, 549-562 | 4 |
| 203 | What Is the Difference Between Observed Association and Causal Association, Signals and Evidence? Examples Related to COVID-19. 2020 , 11, 569189 | 0 |
| 202 | Angiotensin-converting enzyme 2 and COVID-19 in cardiorenal diseases. 2021 , 135, 1-17 | 11 |
| 201 | WIN 55,212-2 shows anti-inflammatory and survival properties in human iPSC-derived cardiomyocytes infected with SARS-CoV-2. | |
| 200 | Expert Opinions on the Most Promising Treatments and Vaccine Candidates for COVID-19: Global Cross-sectional Survey of Virus Researchers in the Early Months of the Pandemic. 2021 , 7, e22483 | Ο |
| 199 | Evaluation of Childhood COVID-19 Cases: A Retrospective Analysis. 2021 , 16, 091-098 | 1 |
| 198 | SAveRUNNER: A network-based algorithm for drug repurposing and its application to COVID-19. 2021 , 17, e1008686 | 30 |
| 197 | Prise en charge des patients atteints de maladies rhumatismales pendant la pandfhie de COVID-19 : la SociEfranBise de rhumatologie rpond aux questions frquentes poses jusquen mai 2020. 2021, 88, 93-100 | |
| 196 | Role of Cigarette Smoke on Angiotensin-Converting Enzyme-2 Protein Membrane Expression in Bronchial Epithelial Cells Using an Air-Liquid Interface Model. 2021 , 12, 652102 | 4 |
| 195 | Fatality and risk features for prognosis in COVID-19 according to the care approach - a retrospective cohort study. 2021 , 16, e0248869 | 3 |
| 194 | RAAS Blockade and COVID-19: Mechanistic Modeling of Mas and AT1 Receptor Occupancy as Indicators of Pro-Inflammatory and Anti-Inflammatory Balance. 2021 , 109, 1092-1103 | O |
| 193 | Effects of a DPP-4 Inhibitor and RAS Blockade on Clinical Outcomes of Patients with Diabetes and COVID-19. 2021 , 45, 251-259 | 25 |
| 192 | Potential therapeutic and pharmacological strategies for SARS-CoV2. 2021 , 51, 1-16 | 9 |
| 191 | SARS-CoV-2 as an inflammatory cardiovascular disease: current knowledge and future challenges. 2021 , 17, 1277-1291 | 1 |
| 190 | Revisiting Pleiotropic Effects of Type I Interferons: Rationale for Its Prophylactic and Therapeutic Use Against SARS-CoV-2. <i>Frontiers in Immunology</i> , 2021 , 12, 655528 | 1 5 |
| 189 | Cardiovascular Disease and COVID-19: Insight From Cases With Heart Failure. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 629958 | 1 3 |
| 188 | The Renin-Angiotensin System, Hypertension, and SARS-CoV-2 Infection: a Review. 2021 , 23, 17 | 1 |

| 187 | COVID-19: Risk Factors Associated with Infectivity and Severity. 2021 , 93, e13039 | 14 |
|-----|--|----|
| 186 | Effects of renin-angiotensin system blockers on the risk and outcomes of severe acute respiratory syndrome coronavirus 2 infection in patients with hypertension. 2021 , 36, S123-S131 | 4 |
| 185 | Immunobiology and nanotherapeutics of severe acute respiratory syndrome 2 (SARS-CoV-2): a current update. 2021 , 53, 559-580 | 5 |
| 184 | Excess mortality in Greece during 2020: the role of COVID-19 and cardiovascular disease. 2021 , 62, 378-380 | 1 |
| 183 | SARS-CoV-2 Viral Entry Proteins in Hyperandrogenemic Female Mice: Implications for Women with PCOS and COVID-19. 2021 , 22, | 6 |
| 182 | Diabetes Mellitus and COVID-19: Associations and Possible Mechanisms. 2021 , 2021, 7394378 | 8 |
| 181 | An Updated Review on SARS-CoV-2 Main Proteinase (M): Protein Structure and Small-Molecule Inhibitors. 2021 , 21, 442-460 | 12 |
| 180 | Myopericarditis Associated with COVID-19 in a Pediatric Patient with Kidney Failure Receiving Hemodialysis. 2021 , 10, | 2 |
| 179 | Associations Between the Use of Renin-Angiotensin System Inhibitors and the Risks of Severe COVID-19 and Mortality in COVID-19 Patients With Hypertension: A Meta-Analysis of Observational 5.4 Studies. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 609857 | 3 |
| 178 | Human cell receptors: potential drug targets to combat COVID-19. 2021 , 53, 813-842 | 6 |
| 177 | Is multisystem inflammatory syndrome related with coronavirus disease 2019, Kawasaki disease, and angiotensin-converting enzyme 2 in children?. 2021 , 64, 225-226 | О |
| 176 | ACE2-based decoy receptors for SARS coronavirus 2. 2021 , 89, 1065-1078 | 4 |
| 175 | Immunological and physiopathological approach of COVID-19 in pregnancy. 2021, 304, 39-57 | 8 |
| 174 | Association of ACEi/ARB Use and Clinical Outcomes of COVID-19 Patients With Hypertension. Frontiers in Cardiovascular Medicine, 2021 , 8, 577398 5-4 | 1 |
| 173 | Induced dysregulation of ACE2 by SARS-CoV-2 plays a key role in COVID-19 severity. 2021 , 137, 111363 | 18 |
| 172 | A brief molecular insight of COVID-19: epidemiology, clinical manifestation, molecular mechanism, cellular tropism and immuno-pathogenesis. 2021 , 476, 3987-4002 | 2 |
| 171 | Variants in ACE2; potential influences on virus infection and COVID-19 severity. 2021 , 90, 104773 | 28 |
| 170 | Gastrointestinal manifestations of human immunodeficiency virus and coronavirus disease 2019: Understanding the intersecting regions between the two epidemics. 2021 , 22, 75-87 | O |

| 169 | Understanding the role of ACE-2 receptor in pathogenesis of COVID-19 disease: a potential approach for therapeutic intervention. 2021 , 73, 1539-1550 | 4 |
|-----|--|----|
| 168 | Do Changes in Expression Affect SARS-CoV-2 Virulence and Related Complications: A Closer Look into Membrane-Bound and Soluble Forms. 2021 , 22, | 6 |
| 167 | The Impetus of COVID -19 in Multiple Organ Affliction Apart from Respiratory Infection: Pathogenesis, Diagnostic Measures and Current Treatment Strategy. 2021 , 21, 514-526 | 5 |
| 166 | Therapeutic Effectiveness and Safety of Repurposing Drugs for the Treatment of COVID-19: Position Standing in 2021. 2021 , 12, 659577 | 15 |
| 165 | COVID-19 after emergency coronary artery bypass grafting: features of the postoperative course and prognosis. 2021 , 44-51 | |
| 164 | Ayurveda botanicals in COVID-19 management: An in silico multi-target approach. 2021 , 16, e0248479 | 17 |
| 163 | Why does SARS-CoV-2 hit in different ways? Host genetic factors can influence the acquisition or the course of COVID-19. 2021 , 64, 104227 | 8 |
| 162 | Mutations and polymorphisms in genes involved in the infections by covid 19: a review. 2021 , 23, 101062 | 3 |
| 161 | Role of ACE 2 and Vitamin D: The Two Players in Global Fight against COVID-19 Pandemic. | |
| 160 | New perspectives on angiotensin-converting enzyme 2 and its related diseases. 2021 , 12, 839-854 | 1 |
| 159 | Pulmonary Involvement in COVID-19 and Llong CovidLThe Morbidity, Complications and Sequelae. 2021 , 5, 034-048 | 1 |
| 158 | COVID-19 and hyperglycaemic emergencies: perspectives from a developing country. 1-7 | О |
| 157 | The SARS-CoV-2 pandemic is associated with increased severity of presentation of childhood onset type 1 diabetes mellitus: A multi-centre study of the first COVID-19 wave. 2021 , 38, e14640 | 13 |
| 156 | Serum biomarkers of cardiovascular complications in COVID-19. 2021 , 26, 4456 | 3 |
| 155 | New-Onset Diabetes with Ketoacidosis Precipitated by COVID-19 in Children: A Report of Two Cases. 2021 , 2021, 5545258 | 2 |
| 154 | Hypothesis for renin-angiotensin inhibitor mitigation of COVID-19. 2021 , 152, 110609 | 1 |
| 153 | Prognostic Accuracy of Cardiovascular Disease Biomarkers in Patients with COVID-19: A Diagnostic Test Accuracy Meta-Analysis 2021 , 16, 1-14 | |
| 152 | Risks of emergency vascular surgery in COVID-19 patients. 2021 , 28, | 1 |

| 151 | Acute Pericarditis Due to SARS-COV-2 in a Kidney Transplant Recipient. <i>Cureus</i> , 2021 , 13, e16547 1.2 | |
|-----|--|---|
| 150 | The Use of Angiotensin-Converting Enzyme Inhibitors or Angiotensin II Receptor Blockers Is Associated with the Recovered Ejection Fraction in Patients with Dilated Cardiomyopathy. 2021 , 62, 801-810 | 2 |
| 149 | Triangle of cytokine storm, central nervous system involvement, and viral infection in COVID-19: the role of sFasL and neuropilin-1. 2021 , | 4 |
| 148 | Quantifying arrhythmic long QT effects of hydroxychloroquine and azithromycin with whole-heart optical mapping and simulations. 2021 , 2, 394-404 | 6 |
| 147 | Renin-angiotensin system modulators in COVID-19 patients with hypertension: friend or foe?. 2021 , 1-10 | 2 |
| 146 | The expression of hACE2 receptor protein and its involvement in SARS-CoV-2 entry, pathogenesis, and its application as potential therapeutic target. 2021 , 43, 177-196 | 1 |
| 145 | Neurological manifestations of COVID-19 in patients: from path physiology to therapy. 2021 , 42, 4867-4879 | O |
| 144 | Retinal manifestations in patients with SARS-CoV-2 infection and pathogenetic implications: a systematic review. 2021 , 1 | 7 |
| 143 | Cytokine storm and histopathological findings in 60 cases of COVID-19-related death: from viral load research to immunohistochemical quantification of major players IL-1 [IL-6, IL-15 and TNF-] 2021 , 1 | 6 |
| 142 | Analytical methods for the identification of micro/nano metals in e-cigarette emission samples: a review. 2021 , 75, 1-12 | O |
| 141 | Classical and Counter-Regulatory Renin-Angiotensin System: Potential Key Roles in COVID-19 Pathophysiology. 2021 , 3, 1060-1074 | 2 |
| 140 | Cardiac biomarkers, cardiac injury, and comorbidities associated with severe illness and mortality in coronavirus disease 2019 (COVID-19): A systematic review and meta-analysis. 2021 , 9, 1071-1100 | 8 |
| 139 | Sex Differences in Association Between Anti-Hypertensive Medications and Risk of COVID-19 in Middle-Aged and Older Adults. 2021 , 38, 921-930 | 1 |
| 138 | Neuropsychiatric manifestations of COVID-19, potential neurotropic mechanisms, and therapeutic interventions. 2021 , 11, 499 | 9 |
| 137 | Update on liver disease management during the pandemic of coronavirus disease 2019 (COVID-19): 2021 KASL guideline. 2021 , 27, 515-523 | 1 |
| 136 | The Cardiac Effects of COVID-19: Review of articles. 2021 , 47, 100981 | 1 |
| 135 | Impact of COVID-19 infection on the cardiovascular system: An evidence-based analysis of risk factors and outcomes. 2021 , 35, 437-448 | 1 |
| 134 | COVID-19-Induced Mesenteric Thrombosis. <i>Cureus</i> , 2021 , 13, e12953 | 6 |

133 The ancient cardioprotective mechanisms of ACE2 bestow SARS-CoV-2 with a wide host range.

| 132 | Research Progress on the Cardiac Injury from ACE2 Targeting in SARS-CoV-2 Infection. 2021 , 11, | O |
|-----|--|----|
| 131 | Immunological and cardio-vascular pathologies associated with SARS-CoV-2 infection in golden syrian hamster. | 6 |
| 130 | One health disparities and COVID-19. 2021 , 9, 70-77 | 6 |
| 129 | Prone positioning as an emerging tool in the care provided to patients infected with COVID-19: a scoping review. 2021 , 29, e3397 | 4 |
| 128 | Evidence of Coronavirus (CoV) Pathogenesis and Emerging Pathogen SARS-CoV-2 in the Nervous System: A Review on Neurological Impairments and Manifestations. 2021 , 71, 2192-2209 | 32 |
| 127 | Mesenchymal stem cell immunomodulation: In pursuit of controlling COVID-19 related cytokine storm. 2021 , 39, 707-722 | 15 |
| 126 | Angiotensin converting enzyme-2 as therapeutic target in COVID-19. 2020 , 14, 637-639 | 36 |
| 125 | The interplay of hypertension, ACE-2 and SARS-CoV-2: Emerging data as the "Ariadne's thread" for the "labyrinth" of COVID-19. 2020 , 61, 31-33 | 3 |
| 124 | Sars-CoV-2 and black population: ACE2 as shield or blade?. 2020 , 84, 104361 | 18 |
| 123 | Drugs acting on renin angiotensin system and use in ill patients with COVID-19. 2020 , 75, 319-325 | 4 |
| 122 | RAAS inhibitors are not associated with mortality in COVID-19 patients: Findings from an observational multicenter study in Italy and a meta-analysis of 19 studies. 2020 , 135, 106805 | 34 |
| 121 | Covid-19: the renin-angiotensin system imbalance hypothesis. 2020 , 134, 1259-1264 | 49 |
| 120 | Proliferation of Papers and Preprints During the Coronavirus Disease 2019 Pandemic: Progress or Problems With Peer Review?. 2020 , 27, 418-426 | 19 |
| 119 | Baseline use of angiotensin-converting enzyme inhibitor/AT1 blocker and outcomes in hospitalized coronavirus disease 2019 African-American patients. 2020 , 38, 2537-2541 | 14 |
| 118 | The Impact of SARS-CoV-2 on the Human Immune System and Microbiome. 2021 , 3, 14-21 | 3 |
| 117 | ACE inhibition and cardiometabolic risk factors, lung and gene expression, and plasma ACE2 levels: a Mendelian randomization study. 2020 , 7, 200958 | 6 |
| 116 | ACE inhibition and cardiometabolic risk factors, lung ACE2 and TMPRSS2 gene expression, and plasma ACE2 levels: a Mendelian randomization study. | 4 |

| 115 | A systematic review and meta-analysis to evaluate the clinical outcomes in COVID -19 patients on angiotensin converting enzyme inhibitors or angiotensin receptor blockers. | 2 |
|-----|--|----|
| 114 | Low baseline pulmonary levels of cytotoxic lymphocytes as a predisposing risk factor for severe COVID-19. 2020 , | 3 |
| 113 | Robust ACE2 protein expression localizes to the motile cilia of the respiratory tract epithelia and is not increased by ACE inhibitors or angiotensin receptor blockers. 2020 , | 18 |
| 112 | Increased plasma heparanase activity in COVID-19 patients. | 4 |
| 111 | Diagnostic technology for COVID-19: comparative evaluation of antigen and serology-based SARS-CoV-2 immunoassays, and contact tracing solutions for potential use as at-home products. | 2 |
| 110 | A Systematic Review of the Cardiovascular Manifestations and Outcomes in the Setting of Coronavirus-19 Disease. | 1 |
| 109 | A Potential Role for Photobiomodulation Therapy in Disease Treatment and Prevention in the Era of COVID-19. 2020 , 11, 1352-1362 | 1 |
| 108 | Serious Conditions in COVID-19 Accompanied With a Feature of Metabolic Syndrome. 2020 , 12, 273-275 | 1 |
| 107 | Insights into Potential Mechanisms of Injury and Treatment Targets in COVID-19, SARS-Cov-2 Infection. 2020 , 5, | 4 |
| 106 | Debatable points of using angiotensin-converting enzyme inhibitors and angiotensin receptor antagonists in patients with COVID-19. 2020 , 19, 2580 | 4 |
| 105 | SARS-CoV-2 infection of the nervous system: A review of the literature on neurological involvement in novel coronavirus disease-(COVID-19). 2020 , 20, 283-292 | 26 |
| 104 | [Role of age, comorbidity and renin- angiotensin-aldosterone system in COVID-19. Effects of ACE inhibitors and angiotensin receptor blockers]. 2020 , 60, 4-9 | 4 |
| 103 | Newly-onset type 1 diabetes mellitus precipitated by COVID-19 in an 8-month-old infant. 2020 , 91, ahead of print | 10 |
| 102 | Hypertension and sex related differences in mortality of COVID-19 infection: A systematic review and Meta-analysis. 2020 , 4, 037-043 | 1 |
| 101 | Management of liver diseases during the pandemic of coronavirus disease-19. 2020 , 26, 243-250 | 3 |
| 100 | The factors predicting pneumonia in COVID-19 patients: preliminary results from a university hospital in Turkey. 2020 , 50, 1810-1816 | 2 |
| 99 | Renin-Angiotensin System Implications to COVID-19 Comorbidities. 2020 , 8, 148-151 | 1 |
| 98 | Possible protective role of 17thestradiol against COVID-19. 2020 , 1, 38-48 | 10 |

| 97 | Histopathological findings in the advanced natural evolution of the SARS-CoV-2 infection. 2020 , 61, 209-218 | 11 |
|----|--|----|
| 96 | SARS-CoV-2 Infection Presenting with Hyperglycemia and Ketosis: A Case Series of Three Diabetic Patients. 2020 , 24, 1141-1142 | 5 |
| 95 | Immunomodulatory effect of mesenchymal stem cells and mesenchymal stem-cell-derived exosomes for COVID-19 treatment. 2020 , 53, 400-412 | 32 |
| 94 | Association of ACE2 receptor and ACEIs/ARBs with disease severity in COVID-19. 2020 , 14, 161-170 | 6 |
| 93 | Immune Thrombocytopenia Purpura Secondary to COVID-19. <i>Cureus</i> , 2020 , 12, e9083 | 13 |
| 92 | Research Status of SARS-CoV-2 on Cardiovascular System Injury in Children. 2021 , 36, 685-690 | |
| 91 | Does Hypertension Alone Increase Mortality In Young Hypertensive Patients With COV D -19? Single Center Retrospective Study Of 100 Patients. | |
| 90 | WIN 55,212-2 shows anti-inflammatory and survival properties in human iPSC-derived cardiomyocytes infected with SARS-CoV-2. 2021 , 9, e12262 | 1 |
| 89 | Challenges in Pharmacological Management of Cardiovascular Diseases in Covid-19: do Benefits Outweigh Risks?. 2020 , 33, 404-411 | |
| 88 | Cardiovascular Impacts of COVID-19 Pandemic: From Presentation to Management: Current and Future Perspectives. 2020 , 11, em00739 | 6 |
| 87 | Data Analysis of COVID-19 THE GREAT EPIDEMIC OF THE YEAR 2020 (Preprint). | |
| 86 | Diabetes mellitus and COVID-19. How are they connected? Current strategy of fight. 2020 , 26, 304-311 | 1 |
| 85 | Expert Opinions on the Most Promising Treatments and Vaccine Candidates for COVID-19: Global Cross-sectional Survey of Virus Researchers in the Early Months of the Pandemic (Preprint). | |
| 84 | CORONAVIRUS: Pathology, Immunology and Therapies 1-17 | |
| 83 | Designed Variants of ACE2-Fc that Decouple Anti-SARS-CoV-2 Activities from Unwanted Cardiovascular Effects. | 0 |
| 82 | SARS-COV-2, infection, transmission, transcription, translation, proteins, and treatment: A review. 2021 , | 3 |
| 81 | Will Remdesivir Reshape Cardiovascular Practice in COVID 19 Era?. 2021 , 30, 155-159 | 1 |
| 80 | . 2020 , 192, E1816-E1822 | |

| 79 | Could ischemic colitis be the first manifestation of COVID-19? A case report. 2020 , 68, 231-234 | |
|----|--|---|
| 78 | The efficacy and safety of Xuebijing injection for corona virus disease 2019: A protocol for a systematic review and meta-analysis. 2020 , 99, e23401 | 1 |
| 77 | Losartan promotes cell survival following SARS-CoV-2 infection in vitro. | |
| 76 | Myocarditis Associated with Coronavirus Disease 2019 (COVID-19) in a Pediatric Patient. 2020 , 10, 226-232 | |
| 75 | Clinical presentation, complications, and outcomes of hospitalized COVID-19 patients in an academic center with a centralized palliative care consult service. 2021 , 4, e423 | О |
| 74 | Increased complications of COVID-19 in people with cardiovascular disease: Role of the renin-angiotensin-aldosterone system (RAAS) dysregulation. 2021 , 351, 109738 | 4 |
| 73 | Cardiovascular Complications Associated with COVID-19 Infection. 2020 , 2, | |
| 72 | High-performance computing will assist experiments in recovery from COVID-19. 2020 , 1, 355-358 | |
| 71 | Primer on the Pathogenesis of Severe COVID-19: Part Two. | 0 |
| 70 | Massive Pulmonary Thromboembolism in Patients with COVID-19; Report of Three Cases. 2020 , 8, e58 | 5 |
| 69 | [Epidemiological features and mechanism of coronavirus disease 2019 in children]. 2021 , 23, 420-424 | |
| 68 | COVID-19 and its implication for venous thromboembolism. 2020 , 27, 481-484 | |
| 67 | COVID-19, the Pandemic of the Century and Its Impact on Cardiovascular Diseases. 2021 , 1, 233-258 | 1 |
| 66 | COVID-19 Infection and Myocarditis: A State-of-the-Art Systematic Review. 2021 , 12, 21501327211056800 | 6 |
| 65 | Effect of renin-angiotensin system blocker on COVID-19 in young patients with hypertension 2022 | |
| 64 | Intricate relationship between SARS-CoV-2-induced shedding and cytokine storm generation: A signaling inflammatory pathway augmenting COVID-19 2022 , 100011 | 2 |
| 63 | Gender-related response of body systems in COVID-19 affects outcome. 2022 , 11, 1020-1036 | 1 |
| 62 | Golden Syrian hamster as a model to study cardiovascular complications associated with SARS-CoV-2 infection 2022 , 11, | Ο |

| 61 | Role of Genetic Variants and Host Polymorphisms on COVID-19: From Viral Entrance Mechanisms to Immunological Reactions 2022 , | | 1 |
|----|--|------|----|
| 60 | COVID-19 and atherosclerosis. 2022 , Publish Ahead of Print, | | 1 |
| 59 | Polymorphisms in ACE, ACE2, AGTR1 genes and severity of COVID-19 disease 2022, 17, e0263140 | | 4 |
| 58 | Cardiovascular System and SARS-CoV-2: Etiology, Physiopathology and Clinical Presentation: A Systematic Review. | | Ο |
| 57 | Fatal association of COVID-19 and acute type A aortic dissection 2022 , 10, e05617 | | 1 |
| 56 | Risk Factors Associated With COVID-19 Symptoms and Potential Vertical Transmission During Pregnancy: A Retrospective Cohort Study <i>Cureus</i> , 2022 , 14, e22900 | 1.2 | 1 |
| 55 | Angiotensin-converting enzyme 2 and Transmembrane protease serine 2 in female and male patients with end-stage kidney disease 2022 , e13786 | | 0 |
| 54 | Discovery of a new generation of angiotensin receptor blocking drugs: receptor mechanisms and in silico binding to enzymes relevant to covid-19 2022 , | | 2 |
| 53 | David versus goliath: ACE2-Fc receptor traps as potential SARS-CoV-2 inhibitors 2022 , 14, 2057832 | | 2 |
| 52 | ELEVATED INTERLEUKIN B AND FERRITIN LEVELS EXACERBATE SEVERITY OF 2019 NOVEL CORONAVIRUS DISEASE (COVID-19): A PILOT STUDY. 2021 , 16-19 | | |
| 51 | Angiotensin-converting enzyme 2 as a potential therapeutic target for COVID-19: A review 2021 , | | 2 |
| 50 | Angiotensin-Converting Enzyme Inhibitor and Angiotensin Receptor Blocker Use Associated with Reduced Mortality and Other Disease Outcomes in US Veterans with COVID-19 2021 , 82, 43 | | 1 |
| 49 | Evolutionary pathways to SARS-CoV-2 resistance are opened and closed by epistasis acting on ACE2 2021 , 19, e3001510 | | O |
| 48 | Lung ultrasound in ruling out COVID-19 pneumonia in the ED: a multicentre prospective sensitivity study <i>Emergency Medicine Journal</i> , 2021 , | 1.5 | 2 |
| 47 | Neurological and psychological manifestations and consequences of an acute severe acute respiratory syndrome coronavirus 2 infection. <i>Rossiiskii Meditsinskii Zhurnal: Organ Ministerstva Zdravookhraneniia RSFSR</i> , 2021 , 27, 407-418 | 0.1 | |
| 46 | Prevalence, Characteristics, and Outcomes of COVID-19-Associated Acute Myocarditis <i>Circulation</i> , 2022 , 145, 1123-1139 | 16.7 | 13 |
| 45 | COVID-19 and acute myocardial injury: Stem cell driven tissue remodeling in COVID-19 infection. 2022 , 111-124 | | |
| 44 | Soluble ACE2 and angiotensin II levels are modulated in hypertensive COVID-19 patients treated with different antihypertension drugs <i>Blood Pressure</i> , 2022 , 31, 80-90 | 1.7 | O |

| 43 | Understanding the Driving Forces That Trigger Mutations in SARS-CoV-2: Mutational Energetics and the Role of Arginine Blockers in COVID-19 Therapy. <i>Viruses</i> , 2022 , 14, 1029 | 6.2 | 1 |
|----|---|------|---|
| 42 | Association of Congenital and Acquired Cardiovascular Conditions With COVID-19 Severity Among Pediatric Patients in the US <i>JAMA Network Open</i> , 2022 , 5, e2211967 | 10.4 | Ο |
| 41 | Dysregulated Interferon Response and Immune Hyperactivation in Severe COVID-19: Targeting STATs as a Novel Therapeutic Strategy. <i>Frontiers in Immunology</i> , 2022 , 13, | 8.4 | 4 |
| 40 | The chimera of S1 and N proteins of SARS-CoV-2: can it be a potential vaccine candidate for COVID-19?. <i>Expert Review of Vaccines</i> , | 5.2 | |
| 39 | Assessment of mutations on RBD in the Spike protein of SARS-CoV-2 Alpha, Delta and Omicron variants. <i>Scientific Reports</i> , 2022 , 12, | 4.9 | 2 |
| 38 | The SARS-CoV-2 Spike Protein Activates the Epidermal Growth Factor Receptor-Mediated Signaling. | | |
| 37 | Cardiac Complications of COVID-19 in Low-Risk Patients. <i>Viruses</i> , 2022 , 14, 1322 | 6.2 | 0 |
| 36 | An ADAM17-Neutralizing Antibody Reduces Inflammation and Mortality While Increasing Viral Burden in a COVID-19 Mouse Model. <i>Frontiers in Immunology</i> , 13, | 8.4 | О |
| 35 | Clinical and genetic predictors of cardiovascular events as the risk of an unfavorable course and outcomes of novel coronavirus infection. <i>HERALD of North-Western State Medical University Named After I I Mechnikov</i> , 2022 , 14, 5-16 | 0.2 | 0 |
| 34 | Experimental Models of SARS-COV-2 Infection in the Central Nervous System. <i>Journal of Central Nervous System Disease</i> , 2022 , 14, 117957352211022 | 4.4 | |
| 33 | Focal Myocarditis As the First Sign in the Presentation of a COVID-19 Infection: A Case Report. <i>Cureus</i> , 2022 , | 1.2 | |
| 32 | Cardiorenal Syndrome in COVID-19 Patients: A Systematic Review. <i>Frontiers in Cardiovascular Medicine</i> , 9, | 5.4 | О |
| 31 | A Comprehensive Analysis of Myocarditis in Formerly Healthy Individuals Following SARS-CoV-2 Vaccination (COVID-19 Immunization). <i>Cureus</i> , 2022 , | 1.2 | О |
| 30 | Actions of Novel Angiotensin Receptor Blocking Drugs, Bisartans, Relevant for COVID-19 Therapy: Biased Agonism at Angiotensin Receptors and the Beneficial Effects of Neprilysin in the Renin Angiotensin System. 2022 , 27, 4854 | | |
| 29 | The effect of coronavirus infection on QT and QTc intervals of hospitalized patients in Qazvin, Iran. | | |
| 28 | Evaluation of Hemodynamic Status of the COVID-19 Patients Under Anesthesia. 2022, In Press, | | |
| 27 | COVID-19 and cognitive impairment: neuroinvasive and blood-brain barrier dysfunction. 2022, 19, | | 2 |
| 26 | Renal, Cardiac, Neurological, Cutaneous and Coagulopathic Long-term Manifestations of COVID-19 after Recovery; A review. 1-29 | | О |

| 25 | Gut Microbiota Dynamics in Relation to Long-COVID-19 Syndrome: Role of Probiotics to Combat Psychiatric Complications. 2022 , 12, 912 | 1 |
|----|---|---|
| 24 | Post-COVID-19 investor psychology and individual investment decision: A moderating role of information availability. 13, | O |
| 23 | Inactivation of SARS-CoV-2 Spike Protein Pseudotyped Virus Infection Using ACE2-Tethered Gold Nanorods under Near-Infrared Laser Irradiation. | 0 |
| 22 | Molecular-Level Targets for the Development of Therapies Against Coronavirus Diseases. 2021 , 69-84 | O |
| 21 | Narrative Review of New Insight into the Influence of the COVID-19 Pandemic on Cardiovascular Care. 2022 , 58, 1554 | O |
| 20 | Misleading Advertising of Health-Related Products in Ecuador during the COVID-19 Pandemic. 2022 , 10, 91 | O |
| 19 | Cereals as a Source of Bioactive Compounds with Anti-Hypertensive Activity and Their Intake in Times of COVID-19. 2022 , 11, 3231 | O |
| 18 | COVID-19 Related Organ Damage. 2022 , 12, 813-823 | O |
| 17 | Respiratory issues in patients with multiple sclerosis as a risk factor during SARS-CoV-2 infection: a potential role for exercise. | O |
| 16 | Renin-Angiotensin-Aldosterone axis inhibition improves outcome of diabetic patients with chronic hypertension and COVID-19: An Iranian perspective. 2022 , 11, 109 | O |
| 15 | Cardiovascular Complications of Viral Respiratory Infections and COVID-19. 2023, 11, 71 | O |
| 14 | Atherosclerosis, Cardiovascular Disorders and COVID-19: Comorbid Pathogenesis. 2023 , 13, 478 | 2 |
| 13 | COVID-19: Diabetes PerspectivePathophysiology and Management. 2023, 12, 184 | 1 |
| 12 | COVID-19 and pediatricsphylogeny, pathology, and pathogenesis of SARS-CoV-2. 2023 , 23-40 | O |
| 11 | Complicaciones Cardiovasculares asociadas a infeccifi por SARS-CoV-2. Revisifi Sistem ti ca. 51, | O |
| 10 | Emerging role of microRNAs and long non-coding RNAs in COVID-19 with implications to therapeutics. 2023 , 861, 147232 | O |
| 9 | The Role of Immunity in the Pathogenesis of SARS-CoV-2 Infection and in the Protection Generated by COVID-19 Vaccines in Different Age Groups. 2023 , 12, 329 | O |
| 8 | Cell transplantation for COVID-19 treatment: transmission of stem stomal (mesenchimal) cells. 2020 , 15, 10-19 | O |

CITATION REPORT

| 7 | Effect of B12 and folate deficiency in hypomethylation of Angiotensin I converting enzyme 2 gene and severity of disease among the acute respiratory distress syndrome patients. 2023 , 37, | О |
|---|--|---|
| 6 | The potential role of SARS-CoV-2 infection in acute coronary syndrome and type 2 myocardial infarction (T2MI): Intertwining spread. 2023 , 11, | o |
| 5 | Myocarditis and Pericarditis following COVID-19 Vaccination in Thailand. 2023, 11, 749 | O |
| 4 | The SARS-CoV-2 Spike Protein Activates the Epidermal Growth Factor Receptor-Mediated Signaling. 2023 , 11, 768 | 0 |
| 3 | A Review of Pathology and Analysis of Approaches to Easing Kidney Disease Impact: HostPathogen Communication and Biomedical Visualization Perspective. 2023 , 41-57 | O |
| 2 | Associations of arterial hypertension and the severity of the course of a new coronavirus infection. 2023 , 19, 19-27 | 0 |
| 1 | Gender Susceptibility and Comorbidities in COVID-19 Headache. 2023 , 109-120 | О |