

David de Gonzalo-Calvo

List of Publications by Year in descending order

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Version: 2024-02-01

123
papers

2,981
citations

201385

27
h-index

214527

47
g-index

129
all docs

129
docs citations

129
times ranked

4833
citing authors

#	ARTICLE	IF	CITATIONS
1	Pulmonary Function and Radiologic Features in Survivors of Critical COVID-19. <i>Chest</i> , 2021, 160, 187-198.	0.4	164
2	Intratumor cholesteryl ester accumulation is associated with human breast cancer proliferation and aggressive potential: a molecular and clinicopathological study. <i>BMC Cancer</i> , 2015, 15, 460.	1.1	162
3	Circulating long-non coding RNAs as biomarkers of left ventricular diastolic function and remodelling in patients with well-controlled type 2 diabetes. <i>Scientific Reports</i> , 2016, 6, 37354.	1.6	128
4	Differential inflammatory responses in aging and disease: TNF- α and IL-6 as possible biomarkers. <i>Free Radical Biology and Medicine</i> , 2010, 49, 733-737.	1.3	125
5	Circulating inflammatory miRNA signature in response to different doses of aerobic exercise. <i>Journal of Applied Physiology</i> , 2015, 119, 124-134.	1.2	109
6	Dilated Cardiomyopathy Due to BCL2-Associated Athanogene (BAG3) Mutations. <i>Journal of the American College of Cardiology</i> , 2018, 72, 2471-2481.	1.2	93
7	Circulating microRNA profiles predict the severity of COVID-19 in hospitalized patients. <i>Translational Research</i> , 2021, 236, 147-159.	2.2	91
8	Favorable effects of a prolonged treatment with melatonin on the level of oxidative damage and neurodegeneration in senescence-accelerated mice. <i>Journal of Pineal Research</i> , 2008, 45, 302-311.	3.4	90
9	Interleukin 6, soluble tumor necrosis factor receptor I and red blood cell distribution width as biological markers of functional dependence in an elderly population: A translational approach. <i>Cytokine</i> , 2012, 58, 193-198.	1.4	89
10	Serum microRNA-1 and microRNA-133a levels reflect myocardial steatosis in uncomplicated type 2 diabetes. <i>Scientific Reports</i> , 2017, 7, 47.	1.6	88
11	Plasma circular RNA hsa_circ_0001445 and coronary artery disease: Performance as a biomarker. <i>FASEB Journal</i> , 2020, 34, 4403-4414.	0.2	86
12	Circulating non-coding RNAs in biomarker-guided cardiovascular therapy: a novel tool for personalized medicine?. <i>European Heart Journal</i> , 2019, 40, 1643-1650.	1.0	72
13	Genetic basis of dilated cardiomyopathy. <i>International Journal of Cardiology</i> , 2016, 224, 461-472.	0.8	67
14	Circulating miRNAs as mediators in cell-to-cell communication. <i>Epigenomics</i> , 2019, 11, 111-113.	1.0	55
15	Melatonin alters cell death processes in response to age-related oxidative stress in the brain of senescence-accelerated mice. <i>Journal of Pineal Research</i> , 2009, 46, 106-114.	3.4	52
16	Serum circular RNAs act as blood-based biomarkers for hypertrophic obstructive cardiomyopathy. <i>Scientific Reports</i> , 2019, 9, 20350.	1.6	50
17	Translating the microRNA signature of microvesicles derived from human coronary artery smooth muscle cells in patients with familial hypercholesterolemia and coronary artery disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 106, 55-67.	0.9	45
18	Melatonin modulates autophagy through a redox-mediated action in female Syrian hamster Harderian gland controlling cell types and gland activity. <i>Journal of Pineal Research</i> , 2012, 52, 80-92.	3.4	37

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19	Circular RNAs in Blood. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1087, 119-130.	0.8	37
20	Circulating microRNAs as emerging cardiac biomarkers responsive to acute exercise. <i>International Journal of Cardiology</i> , 2018, 264, 130-136.	0.8	37
21	Long-term training induces a healthy inflammatory and endocrine emergent biomarker profile in elderly men. <i>Age</i> , 2012, 34, 761-771.	3.0	35
22	Fatty acid binding protein 4 (FABP4) as a potential biomarker reflecting myocardial lipid storage in type 2 diabetes. <i>Metabolism: Clinical and Experimental</i> , 2019, 96, 12-21.	1.5	35
23	Circulating microRNA as Emerging Biomarkers of Exercise. <i>Exercise and Sport Sciences Reviews</i> , 2018, 46, 160-171.	1.6	34
24	Impact of time to intubation on mortality and pulmonary sequelae in critically ill patients with COVID-19: a prospective cohort study. <i>Critical Care</i> , 2022, 26, 18.	2.5	34
25	Circulating soluble low-density lipoprotein receptor-related protein 1 (sLRP1) concentration is associated with hypercholesterolemia: A new potential biomarker for atherosclerosis. <i>International Journal of Cardiology</i> , 2015, 201, 20-29.	0.8	33
26	Sexual dimorphism of autophagy in Syrian hamster Harderian gland culminates in a holocrine secretion in female glands. <i>Autophagy</i> , 2009, 5, 1004-1017.	4.3	32
27	Melatonin induces neural SOD2 expression independent of the NF-kappaB pathway and improves the mitochondrial population and function in old mice. <i>Journal of Pineal Research</i> , 2011, 50, 54-63.	3.4	30
28	Autophagy during beef aging. <i>Autophagy</i> , 2014, 10, 137-143.	4.3	29
29	Emerging role of microRNAs in dilated cardiomyopathy: evidence regarding etiology. <i>Translational Research</i> , 2020, 215, 86-101.	2.2	29
30	Biomarcadores epigenéticos y enfermedad cardiovascular: los microARN circulantes. <i>Revista Española De Cardiología</i> , 2017, 70, 763-769.	0.6	28
31	Plasma microRNAs as biomarkers for Lamin A/C-related dilated cardiomyopathy. <i>Journal of Molecular Medicine</i> , 2018, 96, 845-856.	1.7	28
32	Chronic training increases blood oxidative damage but promotes health in elderly men. <i>Age</i> , 2013, 35, 407-417.	3.0	25
33	Dietary microRNAs and cancer: A new therapeutic approach?. <i>Seminars in Cancer Biology</i> , 2021, 73, 19-29.	4.3	25
34	Chronic inflammation as predictor of 1-year hospitalization and mortality in elderly population. <i>European Journal of Clinical Investigation</i> , 2012, 42, 1037-1046.	1.7	24
35	Non-coding RNAs and exercise: pathophysiological role and clinical application in the cardiovascular system. <i>Clinical Science</i> , 2018, 132, 925-942.	1.8	24
36	The evolution of the ventilatory ratio is a prognostic factor in mechanically ventilated COVID-19 ARDS patients. <i>Critical Care</i> , 2021, 25, 331.	2.5	23

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37	Higher frequency of comorbidities in fully vaccinated patients admitted to the ICU due to severe COVID-19: a prospective, multicentre, observational study. <i>European Respiratory Journal</i> , 2022, 59, 2102275.	3.1	23
38	Circulating Long Noncoding RNAs in Personalized Medicine. <i>Journal of the American College of Cardiology</i> , 2016, 68, 2914-2916.	1.2	22
39	Circulating miR-1254 predicts ventricular remodeling in patients with ST-Segment-Elevation Myocardial Infarction: A cardiovascular magnetic resonance study. <i>Scientific Reports</i> , 2018, 8, 15115.	1.6	21
40	Association of Circulating microRNAs with Coronary Artery Disease and Usefulness for Reclassification of Healthy Individuals: The REGICOR Study. <i>Journal of Clinical Medicine</i> , 2020, 9, 1402.	1.0	21
41	Sleep and Circadian Health of Critical COVID-19 Survivors 3 Months After Hospital Discharge. <i>Critical Care Medicine</i> , 2022, 50, 945-954.	0.4	21
42	One Year Overview and Follow-Up in a Post-COVID Consultation of Critically Ill Patients. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	21
43	Familial dilated cardiomyopathy: A multidisciplinary entity, from basic screening to novel circulating biomarkers. <i>International Journal of Cardiology</i> , 2017, 228, 870-880.	0.8	20
44	Circulating microRNA in suspected stable coronary artery disease: A coronary computed tomography angiography study. <i>Journal of Internal Medicine</i> , 2019, 286, 341-355.	2.7	20
45	Oxidative Protein Damage Is Associated With Severe Functional Dependence Among the Elderly Population: A Principal Component Analysis Approach. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2012, 67A, 663-670.	1.7	19
46	microRNA expression profile in human coronary smooth muscle cell-derived microparticles is a source of biomarkers. <i>Clínica e Investigação em Arteriosclerose</i> , 2016, 28, 167-177.	0.4	19
47	Immunization with the Gly ¹¹²⁷ -Cys ¹¹⁴⁰ amino acid sequence of the LRP1 receptor reduces atherosclerosis in rabbits. <i>Molecular, immunohistochemical and nuclear imaging studies. Theranostics</i> , 2020, 10, 3263-3280.	4.6	19
48	Peripheral blood microRNAs and the COVID-19 patient: methodological considerations, technical challenges and practice points. <i>RNA Biology</i> , 2021, 18, 688-695.	1.5	19
49	Hypoxia-driven sarcoplasmic/endoplasmic reticulum calcium ATPase 2 (SERCA2) downregulation depends on low-density lipoprotein receptor-related protein 1 (LRP1)-signalling in cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 85, 25-36.	0.9	18
50	Improved cardiovascular risk prediction in patients with end-stage renal disease on hemodialysis using machine learning modeling and circulating microribonucleic acids. <i>Theranostics</i> , 2020, 10, 8665-8676.	4.6	18
51	Subcutaneous Administration of Apolipoprotein J-Derived Mimetic Peptide d-[113â€“122]apoJ Improves LDL and HDL Function and Prevents Atherosclerosis in LDLR-KO Mice. <i>Biomolecules</i> , 2020, 10, 829.	1.8	18
52	Peripheral blood RNA biomarkers for cardiovascular disease from bench to bedside: a position paper from the EU-CardioRNA COST action CA17129. <i>Cardiovascular Research</i> , 2022, 118, 3183-3197.	1.8	18
53	Autophagic and proteolytic processes in the Harderian gland are modulated during the estrous cycle. <i>Histochemistry and Cell Biology</i> , 2014, 141, 519-529.	0.8	17
54	Epigenetic Biomarkers and Cardiovascular Disease: Circulating MicroRNAs. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2017, 70, 763-769.	0.4	17

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55	MicroRNAs to guide medical decision-making in obstructive sleep apnea: A review. <i>Sleep Medicine Reviews</i> , 2021, 59, 101458.	3.8	17
56	Major candidate variables to guide personalised treatment with steroids in critically ill patients with COVID-19: CIBERESUCICOVID study. <i>Intensive Care Medicine</i> , 2022, 48, 850-864.	3.9	17
57	Biophysical and Lipidomic Biomarkers of Cardiac Remodeling Post-Myocardial Infarction in Humans. <i>Biomolecules</i> , 2020, 10, 1471.	1.8	16
58	Bronchial Aspirate-Based Profiling Identifies MicroRNA Signatures Associated With COVID-19 and Fatal Disease in Critically Ill Patients. <i>Frontiers in Medicine</i> , 2021, 8, 756517.	1.2	16
59	Challenges of microRNA-based biomarkers in clinical application for cardiovascular diseases. <i>Clinical and Translational Medicine</i> , 2022, 12, e585.	1.7	15
60	Identification of circulating microRNA profiles associated with pulmonary function and radiologic features in survivors of SARS-CoV-2-induced ARDS. <i>Emerging Microbes and Infections</i> , 2022, 11, 1537-1549.	3.0	15
61	Catalyzing Transcriptomics Research in Cardiovascular Disease: The CardioRNA COST Action CA17129. <i>Non-coding RNA</i> , 2019, 5, 31.	1.3	14
62	Peripheral microRNA panels to guide the diagnosis of familial cardiomyopathy. <i>Translational Research</i> , 2020, 218, 1-15.	2.2	14
63	Identification and validation of endogenous control miRNAs in plasma samples for normalization of qPCR data for Alzheimer's disease. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 163.	3.0	14
64	Circulating levels of soluble low-density lipoprotein receptor-related protein 1 (sLRP1) as novel biomarker of epicardial adipose tissue. <i>International Journal of Cardiology</i> , 2016, 223, 371-373.	0.8	13
65	Soluble low-density lipoprotein receptor-related protein 1 as a biomarker of coronary risk: Predictive capacity and association with clinical events. <i>Atherosclerosis</i> , 2019, 287, 93-99.	0.4	13
66	Plasma microRNA Profiling Reveals Novel Biomarkers of Epicardial Adipose Tissue: A Multidetector Computed Tomography Study. <i>Journal of Clinical Medicine</i> , 2019, 8, 780.	1.0	13
67	Relationship among LRP1 expression, Pyk2 phosphorylation and MMP-9 activation in left ventricular remodelling after myocardial infarction. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 1915-1928.	1.6	12
68	Altered Brain Metabolome Is Associated with Memory Impairment in the rTg4510 Mouse Model of Tauopathy. <i>Metabolites</i> , 2020, 10, 69.	1.3	12
69	ICU-Acquired Pneumonia Is Associated with Poor Health Post-COVID-19 Syndrome. <i>Journal of Clinical Medicine</i> , 2022, 11, 224.	1.0	12
70	Defective Adaption of Erythrocytes During Acute Hypoxia Injury in an Elderly Population. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2011, 66A, 376-384.	1.7	11
71	Soluble LRP1 is an independent biomarker of epicardial fat volume in patients with type 1 diabetes mellitus. <i>Scientific Reports</i> , 2018, 8, 1054.	1.6	11
72	Leukocyte telomere length correlates with hypertrophic cardiomyopathy severity. <i>Scientific Reports</i> , 2018, 8, 11227.	1.6	11

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73	Identification of new biophysical markers for pathological ventricular remodelling in tachycardia-induced dilated cardiomyopathy. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 4197-4208.	1.6	11
74	Exercise dose affects the circulating microRNA profile in response to acute endurance exercise in male amateur runners. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2020, 30, 1896-1907.	1.3	11
75	LRP1-Mediated AggLDL Endocytosis Promotes Cholesteryl Ester Accumulation and Impairs Insulin Response in HL-1 Cells. <i>Cells</i> , 2020, 9, 182.	1.8	11
76	Sex-related differences of fatty acid-binding protein 4 and leptin levels in atrial fibrillation. <i>Europace</i> , 2021, 23, 682-690.	0.7	11
77	Consensus guidelines for the validation of qRT-PCR assays in clinical research by the CardioRNA consortium. <i>Molecular Therapy - Methods and Clinical Development</i> , 2022, 24, 171-180.	1.8	11
78	Conformational and thermal characterization of left ventricle remodeling post-myocardial infarction. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 1500-1509.	1.8	10
79	Molecular basis for the protective effects of low-density lipoprotein receptor-related protein 1 (LRP1)-derived peptides against LDL aggregation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 1302-1316.	1.4	10
80	Circulating MicroRNA Profile Associated with Obstructive Sleep Apnea in Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2020, 57, 4363-4372.	1.9	10
81	Methodology of a Large Multicenter Observational Study of Patients with COVID-19 in Spanish Intensive Care Units. <i>Archivos De Bronconeumologia</i> , 2022, 58, 22-31.	0.4	10
82	Extracellular vesicles do not contribute to higher circulating levels of soluble LRP1 in idiopathic dilated cardiomyopathy. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 3000-3009.	1.6	9
83	Diagnostic value of circulating microRNAs compared to high-sensitivity troponin T for the detection of non-ST-segment elevation myocardial infarction. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2021, 10, 653-660.	0.4	9
84	Reduced Levels of miR-342-5p in Plasma Are Associated With Worse Cognitive Evolution in Patients With Mild Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 705989.	1.7	9
85	Antioxidant responses to variations of oxygen by the Harderian gland of different species of the superspecies <i>Spalax ehrenbergi</i> . <i>Canadian Journal of Zoology</i> , 2010, 88, 803-807.	0.4	8
86	Blood-based protein profiling identifies serum protein c-KIT as a novel biomarker for hypertrophic cardiomyopathy. <i>Scientific Reports</i> , 2021, 11, 1755.	1.6	8
87	Methodological considerations for circulating long noncoding RNA quantification. <i>Trends in Molecular Medicine</i> , 2022, 28, 616-618.	3.5	8
88	Circulating non-coding RNAs as biomarkers to predict and monitor the response to exercise: chances and hurdles. <i>European Heart Journal</i> , 2018, 39, 3552-3552.	1.0	7
89	Low-density lipoprotein receptor-related protein 1 deficiency in cardiomyocytes reduces susceptibility to insulin resistance and obesity. <i>Metabolism: Clinical and Experimental</i> , 2020, 106, 154191.	1.5	7
90	Circulating MicroRNA Profiling Reveals Specific Subsignatures in Response to a Maximal Incremental Exercise Test. <i>Journal of Strength and Conditioning Research</i> , 2021, 35, 287-291.	1.0	7

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91	Signature of subclinical femoral artery atherosclerosis in peripheral blood mononuclear cells. <i>European Journal of Clinical Investigation</i> , 2014, 44, 539-548.	1.7	6
92	Three to Six Months Evolution of Pulmonary Function and Radiological Features in Critical COVID-19 Patients: A Prospective Cohort. <i>Archivos De Bronconeumologia</i> , 2022, 58, 59-62.	0.4	6
93	Clinical management and outcome differences between first and second waves among COVID-19 hospitalized patients: A regional prospective observational cohort. <i>PLoS ONE</i> , 2021, 16, e0258918.	1.1	6
94	Proteomic profiling of lung diffusion impairment in the recovery stage of SARS-CoV-2 induced ARDS. <i>Clinical and Translational Medicine</i> , 2022, 12, e838.	1.7	6
95	microRNA-206 correlates with left ventricular function after transcatheter aortic valve implantation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 313, H1261-H1266.	1.5	5
96	Expressão de Proteína-1 Relacionada a Receptor de Lipoproteína de Baixa Densidade (LRP1) em Monócito em Correlação com EIMC em Pacientes Mexicanos Hipertensos. <i>Arquivos Brasileiros De Cardiologia</i> , 2021, 116, 56-65.	0.3	5
97	Altered atherosclerotic-related gene expression signature in circulating mononuclear leukocytes from hypercholesterolemic patients with low HDL cholesterol levels. <i>International Journal of Cardiology</i> , 2014, 173, 337-338.	0.8	4
98	Evaluation of biochemical and hematological parameters in adults with Down syndrome. <i>Scientific Reports</i> , 2020, 10, 13755.	1.6	4
99	Prognostic value of circulating microRNAs compared to high-sensitivity troponin T in patients presenting with suspected acute coronary syndrome to the emergency department. <i>Clinical Biochemistry</i> , 2022, 99, 9-16.	0.8	4
100	Platelet distribution width is associated with 1-year all-cause mortality in the elderly population. <i>Journal of Clinical Gerontology and Geriatrics</i> , 2013, 4, 12-16.	0.7	3
101	High triglyceride-low HDL cholesterol lipid profile is associated with a dysregulated gene expression in mononuclear leukocyte from hypercholesterolemic patients. <i>International Journal of Cardiology</i> , 2015, 178, 102-104.	0.8	3
102	Exercise-Induced Hyperhomocysteinemia Is Not Related to Oxidative Damage or Impaired Vascular Function in Amateur Middle-Aged Runners under Controlled Nutritional Intake. <i>Nutrients</i> , 2021, 13, 3033.	1.7	3
103	Diagnostic value of circulating miRNAs: Association with the presence and extension of coronary atherosclerosis in patients with suspected ischemic heart disease. <i>Atherosclerosis</i> , 2017, 263, e106.	0.4	2
104	Development of Innovative Antiatherosclerotic Peptides through the Combination of Molecular Modeling and a Dual (Biochemical-Cellular) Screening System. <i>Advanced Therapeutics</i> , 2020, 3, 2000037.	1.6	2
105	Macrophage Cholesterol Efflux Downregulation Is Not Associated with Abdominal Aortic Aneurysm (AAA) Progression. <i>Biomolecules</i> , 2020, 10, 662.	1.8	2
106	Going the Long Noncoding RNA Way Toward Cardiac Regeneration: Mapping Candidate Long Noncoding RNA Controllers of Regeneration. <i>Canadian Journal of Cardiology</i> , 2021, 37, 374-376.	0.8	2
107	Endogenous controls and microRNA profile in female patients with obstructive sleep apnea. <i>Scientific Reports</i> , 2022, 12, 1916.	1.6	2
108	Fatty acid binding protein 4 (FABP4) contributes to myocardial steatosis and insulin resistance in cardiac cells. <i>Atherosclerosis</i> , 2018, 275, e66.	0.4	1

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109	Circular RNAs: a novel tool in cardiovascular biomarker development?. Non-coding RNA Investigation, 0, 2, 39-39.	0.6	1
110	Antigenemia Is Associated to Viral Sepsis and Mortality in COVID-19. SSRN Electronic Journal, 0, , .	0.4	1
111	PHYSICAL ACTIVITY AS HEALTHY INTERVENTION AGAINST SEVERE OXIDATIVE STRESS IN ELDERLY POPULATION. Journal of Frailty & Aging,the, 2013, 2, 1-9.	0.8	1
112	Editorial: The Non-Coding Transcriptome as a New Player in Intercellular Communication. Frontiers in Molecular Biosciences, 2022, 9, 858702.	1.6	1
113	Biomarker discovery by plasma proteomics in familial LMNA dilated cardiomyopathy. Atherosclerosis, 2016, 252, e72.	0.4	0
114	P1586Plasma microRNAs for identification of patients with Lamin A/C gene mutation causing familial dilated cardiomyopathy. European Heart Journal, 2017, 38, .	1.0	0
115	Micrnas As Circulating Biomarkers Of Epicardial Fat Volume: A Multidetector Computed Tomography Study. Atherosclerosis, 2019, 287, e71-e72.	0.4	0
116	Gender-dependent regulation of FABP4 and leptin according to atrial fibrillation burden. European Heart Journal, 2020, 41, .	1.0	0
117	Epigenetics and physical exercise. , 2021, , 283-301.		0
118	Circulating microRNAs as Biomarkers of COVID-19 Severity. , 2021, , .		0
119	Pulmonary Function and Radiological Features in Survivors of Critical Covid-19: A 3-Month Prospective Cohort. , 2021, , .		0
120	Epigenetics in precision medicine of cardiovascular disease. , 2022, , 347-368.		0
121	Late Breaking Abstract - MicroRNA profiling informs on the pulmonary sequelae of COVID-19-induced ARDS. , 2021, , .		0
122	Late Breaking Abstract - MicroRNA signatures in critically ill COVID-19 patients: a bronchial aspirate study. , 2021, , .		0
123	Evolution of respiratory and biopsychosocial affectation in critical COVID19 patients after hospital discharge. , 2021, , .		0