Luis R Lopes

List of Publications by Year in descending order

128 papers	4,246 citations	172457 29 h-index	128289 60 g-index
134 all docs	134 docs citations	134 times ranked	9321 citing authors

#	Article	IF	Citations
1	The UK10K project identifies rare variants in health and disease. Nature, 2015, 526, 82-90.	27.8	1,014
2	Atlas of the clinical genetics of human dilated cardiomyopathy. European Heart Journal, 2015, 36, 1123-1135.	2.2	456
3	Improved imputation of low-frequency and rare variants using the UK10K haplotype reference panel. Nature Communications, 2015, 6, 8111.	12.8	300
4	Genetic complexity in hypertrophic cardiomyopathy revealed by high-throughput sequencing. Journal of Medical Genetics, 2013, 50, 228-239.	3.2	203
5	A systematic review and meta-analysis of genotypeâ€“phenotype associations in patients with hypertrophic cardiomyopathy caused by sarcomeric protein mutations. Heart, 2013, 99, 1800-1811.	2.9	172
6	Novel genotypeâ€“phenotype associations demonstrated by high-throughput sequencing in patients with hypertrophic cardiomyopathy. Heart, 2015, 101, 294-301.	2.9	124
7	The Cardiomyopathy Registry of the EURObservational Research Programme of the European Society of Cardiology: baseline data and contemporary management of adult patients with cardiomyopathies. European Heart Journal, 2018, 39, 1784-1793.	2.2	94
8	Dilated Cardiomyopathy DueÂtoÂBLC2-Associated AthanogeneÂ3Â(BAG3)ÂMutations. Journal of the American College of Cardiology, 2018, 72, 2471-2481.	2.8	93
9	Dilated cardiomyopathy and arrhythmogenic left ventricular cardiomyopathy: a comprehensive genotype-imaging phenotype study. European Heart Journal Cardiovascular Imaging, 2020, 21, 326-336.	1.2	90
10	Penetrance of Hypertrophic Cardiomyopathy in Sarcomere Protein Mutation Carriers. Journal of the American College of Cardiology, 2020, 76, 550-559.	2.8	89
11	Prediction of Sarcomere Mutations in Subclinical Hypertrophic Cardiomyopathy. Circulation: Cardiovascular Imaging, 2014, 7, 863-871.	2.6	80
12	Clinical Phenotypes and Prognosis of Dilated Cardiomyopathy Caused by Truncating Variants in the TTN Gene. Circulation: Heart Failure, 2020, 13, e006832.	3.9	75
13	Abnormal Cardiac Formation in Hypertrophic Cardiomyopathy. Circulation: Cardiovascular Genetics, 2014, 7, 241-248.	5.1	74
14	Diagnostic yield of molecular autopsy in patients with sudden arrhythmic death syndrome using targeted exome sequencing. Europace, 2016, 18, 888-896.	1.7	69
15	Formin Homology 2 Domain Containing 3 (FHOD3) Is a Genetic Basis for Hypertrophic Cardiomyopathy. Journal of the American College of Cardiology, 2018, 72, 2457-2467.	2.8	59
16	Diagnosis and risk stratification in hypertrophic cardiomyopathy using machine learning wall thickness measurement: a comparison with human test-retest performance. The Lancet Digital Health, 2021, 3, e20-e28.	12.3	57
17	Alpha-protein kinase 3 (ALPK3) truncating variants are a cause of autosomal dominant hypertrophic cardiomyopathy. European Heart Journal, 2021, 42, 3063-3073.	2.2	51
18	Rare Variant Analysis of Human and Rodent Obesity Genes in Individuals with Severe Childhood Obesity. Scientific Reports, 2017, 7, 4394.	3.3	50

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19	Evaluation of left ventricular outflow tract gradient during treadmill exercise and in recovery period in orthostatic position, in patients with hypertrophic cardiomyopathy. Cardiovascular Ultrasound, 2008, 6, 19.	1.6	46
20	Clinical Features and Natural History of PRKAG2 Variant Cardiac Glycogenosis. Journal of the American College of Cardiology, 2020, 76, 186-197.	2.8	45
21	A straightforward guide to the sarcomeric basis of cardiomyopathies. Heart, 2014, 100, 1916-1923.	2.9	42
22	Whole gene sequencing identifies deep-intronic variants with potential functional impact in patients with hypertrophic cardiomyopathy. PLoS ONE, 2017, 12, e0182946.	2.5	41
23	Importance of genotype for risk stratification in arrhythmogenic right ventricular cardiomyopathy using the 2019 ARVC risk calculator. European Heart Journal, 2022, 43, 3053-3067.	2.2	41
24	Prognostic role of stress echocardiography in hypertrophic cardiomyopathy: The International Stress Echo Registry. International Journal of Cardiology, 2016, 219, 331-338.	1.7	38
25	The Portuguese Registry of Hypertrophic Cardiomyopathy: Overall results. Revista Portuguesa De Cardiologia, 2018, 37, 1-10.	0.5	38
26	Proteomic Analysis of the Myocardium in Hypertrophic Obstructive Cardiomyopathy. Circulation Genomic and Precision Medicine, 2018, 11, e001974.	3.6	38
27	Genetics of heart failure. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 2451-2461.	3.8	37
28	Proteomic Analysis of the Myocardium in Hypertrophic Obstructive Cardiomyopathy. Circulation Genomic and Precision Medicine, 2018, 11, .	3.6	34
29	Identification of a Multiplex Biomarker Panel for Hypertrophic Cardiomyopathy Using Quantitative Proteomics and Machine Learning. Molecular and Cellular Proteomics, 2020, 19, 114-127.	3.8	32
30	Relationship between aetiology and left ventricular systolic dysfunction in hypertrophic cardiomyopathy. Heart, 2017, 103, 300-306.	2.9	30
31	Use of high-throughput targeted exome-sequencing to screen for copy number variation in hypertrophic cardiomyopathy. European Journal of Medical Genetics, 2015, 58, 611-616.	1.3	29
32	Genetic characterization and genotype-phenotype associations in a large cohort of patients with hypertrophic cardiomyopathy â€“ An ancillary study of the Portuguese registry of hypertrophic cardiomyopathy. International Journal of Cardiology, 2019, 278, 173-179.	1.7	29
33	The Novel Desmin Variant p.Leu115Ile Is Associated With a Unique Form of Biventricular Arrhythmogenic Cardiomyopathy. Canadian Journal of Cardiology, 2021, 37, 857-866.	1.7	28
34	Echocardiographic assessment of right ventricular contractile reserve in patients with pulmonary hypertension. Revista Portuguesa De Cardiologia, 2014, 33, 155-163.	0.5	27
35	Inline perfusion mapping provides insights into the disease mechanism in hypertrophic cardiomyopathy. Heart, 2020, 106, 824-829.	2.9	26
36	State of the Art Review on Genetics and Precision Medicine in Arrhythmogenic Cardiomyopathy. International Journal of Molecular Sciences, 2020, 21, 6615.	4.1	25

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37	Frequency, Penetrance, and Variable Expressivity of Dilated Cardiomyopathyâ€“Associated Putative Pathogenic Gene Variants in UK Biobank Participants. Circulation, 2022, 146, 110-124.	1.6	25
38	Cryptic Splice-Altering Variants in MYBPC3 Are a Prevalent Cause of Hypertrophic Cardiomyopathy. Circulation Genomic and Precision Medicine, 2020, 13, e002905.	3.6	23
39	Left ventricular hypertrophy caused by a novel nonsense mutation in FHL1. European Journal of Medical Genetics, 2013, 56, 251-255.	1.3	22
40	Coronary microvascular dysfunction in hypertrophic cardiomyopathy: Pathophysiology, assessment, and clinical impact. Microcirculation, 2021, 28, e12656.	1.8	20
41	Clinical applications of exercise stress echocardiography in the treadmill with upright evaluation during and after exercise. Cardiovascular Ultrasound, 2013, 11, 26.	1.6	16
42	Myocardial Perfusion Defects in Hypertrophic Cardiomyopathy Mutation Carriers. Journal of the American Heart Association, 2021, 10, e020227.	3.7	15
43	The usefulness of contrast during exercise echocardiography for the assessment of systolic pulmonary pressure. Cardiovascular Ultrasound, 2008, 6, 51.	1.6	14
44	Efficacy of beta-blocker therapy in symptomatic athletes with exercise-induced intra-ventricular gradients. Cardiovascular Ultrasound, 2010, 8, 38.	1.6	14
45	Prevalence and clinical outcomes of dystrophinâ€associated dilated cardiomyopathy without severe skeletal myopathy. European Journal of Heart Failure, 2021, 23, 1276-1286.	7.1	14
46	The Portuguese Registry of Hypertrophic Cardiomyopathy: Overall results. Revista Portuguesa De Cardiologia (English Edition), 2018, 37, 1-10.	0.2	13
47	Deletions of specific exons of <scp>FHOD3</scp> detected by nextâ€generation sequencing are associated with hypertrophic cardiomyopathy. Clinical Genetics, 2020, 98, 86-90.	2.0	13
48	Phenotyping hypertrophic cardiomyopathy using cardiac diffusion magnetic resonance imaging: the relationship between microvascular dysfunction and microstructural changes. European Heart Journal Cardiovascular Imaging, 2022, 23, 352-362.	1.2	12
49	New approaches to the clinical diagnosis of inherited heart muscle disease. Heart, 2013, 99, 1451-1461.	2.9	11
50	Echocardiographic assessment of right ventricular contractile reserve in patients with pulmonary hypertension. Revista Portuguesa De Cardiologia (English Edition), 2014, 33, 155-163.	0.2	11
51	Myocardial work is associated with significant left ventricular myocardial fibrosis in patients with hypertrophic cardiomyopathy. International Journal of Cardiovascular Imaging, 2021, 37, 2237-2244.	1.5	11
52	Association between common cardiovascular risk factors and clinical phenotype in patients with hypertrophic cardiomyopathy from the European Society of Cardiology (ESC) EurObservational Research Programme (EORP) Cardiomyopathy/Myocarditis registry. European Heart Journal Quality of Care & Clinical Outcomes, 2022, 9, 42-53.	4.0	11
53	Prevalence of TTR variants detected by whole-exome sequencing in hypertrophic cardiomyopathy. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2019, 26, 243-247.	3.0	10
54	Cochrane Corner â€“ administraÃ§Ã£o de corticosteroides para miocardite de etiologia viral. Revista Portuguesa De Cardiologia, 2015, 34, 65-67.	0.5	9

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55	The structural effects of mutations can aid in differential phenotype prediction of beta-myosin heavy chain (Myosin-7) missense variants. Bioinformatics, 2016, 32, 2947-2955.	4.1	9
56	Stress echocardiography in the evaluation of exercise physiology in patients with severe arterial pulmonary hypertension. New methodology. Revista Portuguesa De Cardiologia, 2005, 24, 1451-60.	0.5	9
57	Cochrane Corner: Corticosteroids for viral myocarditis. Revista Portuguesa De Cardiologia (English) Tj ETQq1 1 0.784314 rgBT /Overlock	0.2	8
58	The p.(Cys150Tyr) variant in CSRP3 is associated with late-onset hypertrophic cardiomyopathy in heterozygous individuals. European Journal of Medical Genetics, 2020, 63, 104079.	1.3	8
59	Prevalence of Hypertrophic Cardiomyopathy in the UK Biobank Population. JAMA Cardiology, 2021, 6, 852.	6.1	8
60	The Impact of Ischemia Assessed by Magnetic Resonance on Functional, Arrhythmic, and Imaging Features of Hypertrophic Cardiomyopathy. Frontiers in Cardiovascular Medicine, 2021, 8, 761860.	2.4	8
61	Blunted coronary flow velocity reserve is associated with impairment in systolic function and functional capacity in hypertrophic cardiomyopathy. International Journal of Cardiology, 2022, 359, 61-68.	1.7	8
62	Single-step transvenous extraction of a passive fixation lead with delayed perforation of the right ventricle. Europace, 2007, 9, 672-673.	1.7	7
63	Dyspnea in aortic stenosis: Appearances can be deceptive. Revista Portuguesa De Cardiologia (English) Tj ETQq1 1 0.784314 rgBT /Over	0.2	7
64	Left ventricular outflow tract obstruction as a primary phenotypic expression of hypertrophic cardiomyopathy in mutation carriers without hypertrophy. International Journal of Cardiology, 2014, 176, 1264-1267.	1.7	7
65	Cardiac myosin binding protein-C variants in paediatric-onset hypertrophic cardiomyopathy: natural history and clinical outcomes. Journal of Medical Genetics, 2022, 59, 768-775.	3.2	7
66	Specific Therapy for Transthyretin Cardiac Amyloidosis: A Systematic Literature Review and Evidenceâ€Based Recommendations. Journal of the American Heart Association, 2020, 9, e016614.	3.7	6
67	Prognostic Value of Reduced Heart Rate Reserve during Exercise in Hypertrophic Cardiomyopathy. Journal of Clinical Medicine, 2021, 10, 1347.	2.4	6
68	Molecular characterization of Portuguese patients with dilated cardiomyopathy. Revista Portuguesa De Cardiologia, 2019, 38, 129-139.	0.5	5
69	Cardiovascular magnetic resonance imaging volume criteria for arrhythmogenic right ventricular cardiomyopathy: need for update?. European Heart Journal, 2020, 41, 1451-1451.	2.2	5
70	Associations between perfusion defects, tissue changes and myocardial deformation in hypertrophic cardiomyopathy, uncovered by a cardiac magnetic resonance segmental analysis. Revista Portuguesa De Cardiologia, 2022, 41, 559-568.	0.5	5
71	Awareness of Fabry disease in cardiology: A gap to be filled. Revista Portuguesa De Cardiologia, 2018, 37, 457-466.	0.5	4
72	The Prognostic Value of Exercise Echocardiography After Percutaneous Coronary Intervention. Journal of the American Society of Echocardiography, 2021, 34, 51-61.	2.8	4

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73	Exercise-induced left ventricular outflow tract obstruction. A potential cause of symptoms in the elderly. Revista Portuguesa De Cardiologia, 2007, 26, 257-62.	0.5	4
74	Echocardiography during treadmill exercise testing for evaluation of pulmonary artery systolic pressure: advantages of the method. Revista Portuguesa De Cardiologia, 2008, 27, 453-61.	0.5	4
75	Five cases of transient left ventricular apical ballooning--the experience of a Portuguese center. Revista Portuguesa De Cardiologia, 2008, 27, 495-502.	0.5	4
76	What Is Really a Nonobstructive Hypertrophic Cardiomyopathy? The Importance of Orthostatic Factor in Exercise Echocardiography. ISRN Cardiology, 2011, 2011, 1-4.	1.6	3
77	Takotsubo cardiomyopathy, beyond ventriculography and classical bidimensional echocardiography. International Journal of Cardiology, 2015, 182, 381-383.	1.7	3
78	Awareness of Fabry disease in cardiology: A gap to be filled. Revista Portuguesa De Cardiologia (English Edition), 2018, 37, 457-466.	0.2	3
79	Three-vessel myocardial bridging: A possible cause of myocardial stunning. Revista Portuguesa De Cardiologia, 2019, 38, 225.e1-225.e5.	0.5	3
80	Molecular characterization of Portuguese patients with dilated cardiomyopathy. Revista Portuguesa De Cardiologia (English Edition), 2019, 38, 129-139.	0.2	3
81	Novas perspetivas no tratamento farmacolÃ³gico da miocardiopatia hipertrÃ³fica. Revista Portuguesa De Cardiologia, 2020, 39, 99-109.	0.5	3
82	Impaired myocardial deformation assessed by cardiac magnetic resonance is associated with increased arrhythmic risk in hypertrophic cardiomyopathy. Revista Espanola De Cardiologia (English Ed), 2020, 73, 849-851.	0.6	3
83	Prospective follow-up in various subtypes of cardiomyopathies: insights from the ESC EORP Cardiomyopathy Registry. European Heart Journal Quality of Care & Clinical Outcomes, 2021, 7, 134-142.	4.0	3
84	Genotype-phenotype correlations in hypertrophic cardiomyopathy: a multicenter study in Portugal and Spain of the TPM1 p.Arg21Leu variant. Revista Espanola De Cardiologia (English Ed), 2022, 75, 242-250.	0.6	3
85	Right ventricular dilatation during exercise. A new sign?. Revista Portuguesa De Cardiologia, 2007, 26, 939-40.	0.5	3
86	126â€…Advanced Assessment of Cardiac Morphology and Prediction of Gene Carriage by CMR in Hypertrophic Cardiomyopathy - The HCMNET/UCL Collaboration. Heart, 2014, 100, A72-A73.	2.9	2
87	Simple mesothelial pericardial cyst in a rare location. Revista Portuguesa De Cardiologia, 2016, 35, 497.e1-497.e4.	0.5	2
88	004â€…Perfusion mapping in hypertrophic cardiomyopathy: microvascular dysfunction occurs regardless of hypertrophy. Heart, 2017, 103, A4.1-A4.	2.9	2
89	Cardiac manifestations of McArdle disease. European Heart Journal, 2019, 40, 397-398.	2.2	2
90	New perspectives in the pharmacological treatment of hypertrophic cardiomyopathy. Revista Portuguesa De Cardiologia (English Edition), 2020, 39, 99-109.	0.2	2

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91	CorrelaciÃ³n genotipo-fenotipo en miocardiopatÃa hipertrÃ³fica: un estudio multicÃ©ntrico en Portugal y EspaÃ±a sobre la variante p.Arg21Leu de TPM1. Revista Espanola De Cardiologia, 2021, 75, 242-242.	1.2	2
92	Iterative Reanalysis of Hypertrophic Cardiomyopathy Exome Data Reveals Causative Pathogenic Mitochondrial DNA Variants. Circulation Genomic and Precision Medicine, 2021, 14, e003388.	3.6	2
93	Prognostic relevance of exercise testing in hypertrophic cardiomyopathy. A systematic review. International Journal of Cardiology, 2021, 339, 83-92.	1.7	2
94	An overview of heart rhythm disorders and management in myotonic dystrophy type 1. Heart Rhythm, 2022, 19, 497-504.	0.7	2
95	Echocardiography during treadmill exercise testing in a patient with mitral stenosis. Revista Portuguesa De Cardiologia, 2009, 28, 195-9.	0.5	2
96	Partial anomalous pulmonary venous return. Revista Portuguesa De Cardiologia (English Edition), 2013, 32, 67-68.	0.2	1
97	The burnout stage of an apical hypertrophic cardiomyopathy. International Journal of Cardiology, 2014, 177, e179-e180.	1.7	1
98	Advanced assessment of cardiac morphology and prediction of gene carriage by CMR in hypertrophic cardiomyopathy - the HCMNet/UCL collaboration. Journal of Cardiovascular Magnetic Resonance, 2014, 16, O30.	3.3	1
99	A supernumerary ventricular cavity. European Heart Journal, 2016, 37, 3357-3357.	2.2	1
100	Left pericardial defect: A rare cause of chest pain. Revista Portuguesa De Cardiologia, 2018, 37, 793-795.	0.5	1
101	Novas perspetivas para a abordagem dos efeitos cardiovasculares dos inibidores da tirosinacinase em doentes com leucemia mieloide crÃ³nica. Revista Portuguesa De Cardiologia, 2019, 38, 1-9.	0.5	1
102	New prospects for the management of cardiovascular effects of tyrosine kinase inhibitors in patients with chronic myeloid leukemia. Revista Portuguesa De Cardiologia (English Edition), 2019, 38, 1-9.	0.2	1
103	The challenge of assessing variant pathogenicity in candidate Z-disc genes: The example of TCAP in hypertrophic cardiomyopathy. Revista Portuguesa De Cardiologia, 2020, 39, 329-330.	0.5	1
104	Arrhythmogenic Right Ventricular Cardiomyopathy. Circulation: Cardiovascular Imaging, 2020, 13, e010243.	2.6	1
105	A Very Complicated Inferior Myocardial Infarction: The Role of Multimodality Imaging Approach. Arquivos Brasileiros De Cardiologia, 2016, 106, 450-1.	0.8	1
106	DeformaciÃ³n miocÃ¡rdica basada en resonancia magnÃ©tica cardiaca y riesgo arrÃtmico en la miocardiopatÃa hipertrÃ³fica. Revista Espanola De Cardiologia, 2020, 73, 849-851.	1.2	1
107	Quadricuspid aortic valve assessed transthoracic, transesophageal and three-dimensional echocardiography. Revista Portuguesa De Cardiologia, 2005, 24, 1299-301.	0.5	1
108	Left atrial myxoma associated with severe mitral regurgitation and patent foramen ovale. Revista Portuguesa De Cardiologia, 2007, 26, 447-9.	0.5	1

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109	Evaluation of systolic and systo-diastolic function: the Tei index in acute myocardial infarction treated with acute reperfusion therapy--early and late evaluation. Revista Portuguesa De Cardiologia, 2007, 26, 649-56.	0.5	1
110	The role of echocardiography in assessing parachute mitral valve. Revista Portuguesa De Cardiologia, 2009, 28, 335-9.	0.5	1
111	The importance of cardiac magnetic resonance imaging in the diagnosis of myocarditis--a case report. Revista Portuguesa De Cardiologia, 2010, 29, 1261-8.	0.5	1
112	Consensus document on coding of cardiac magnetic resonance examinations in Portugal. Revista Portuguesa De Cardiologia (English Edition), 2013, 32, 1-5.	0.2	0
113	It's not just the mitral valve - abnormal motion of the whole aorto-mitral apparatus occurs in both overt and subclinical hypertrophic cardiomyopathy. Journal of Cardiovascular Magnetic Resonance, 2016, 18, Q37.	3.3	0
114	123â€...The impact of panel size on the yield of genetic testing in hypertrophic cardiomyopathy: a systematic review. , 2019, , .		0
115	Whole-genome DNA sequencing: The key to detecting a sarcomeric mutation in a â€˜false genotype-negativeâ€™ family with hypertrophic cardiomyopathy. Revista Portuguesa De Cardiologia (English Edition), 2020, 39, 227.e1-227.e9.	0.2	0
116	Cardiac magnetic resonance assessment of progressive myo-pericarditis due to cobalt cardiotoxicity. European Heart Journal Cardiovascular Imaging, 2021, 22, e71-e71.	1.2	0
117	Hypertrophic cardiomyopathy: genetics. , 2018, , 1443-1450.		0
118	The challenge of assessing variant pathogenicity in candidate Z-disc genes: The example of TCAP in hypertrophic cardiomyopathy. Revista Portuguesa De Cardiologia (English Edition), 2020, 39, 329-330.	0.2	0
119	Whole-genome DNA sequencing: The key to detecting a sarcomeric mutation in a â€˜false genotype-negativeâ€™ family with hypertrophic cardiomyopathy. Revista Portuguesa De Cardiologia, 2020, 39, 227.e1-227.e9.	0.5	0
120	Familial cardiomyopathy caused by a novel heterozygous mutation in the gene (c.1434dupG): a cardiac MRI-augmented segregation study. Acta Myologica, 2019, 38, 159-162.	1.5	0
121	Left pulmonary artery evaluation through transesophageal echocardiography. Revista Portuguesa De Cardiologia, 2006, 25, 409-15.	0.5	0
122	Suspected dysfunction of a Starr-Edwards aortic prosthesis implanted 33 years ago: the role of exercise stress echocardiography. Case report. Revista Portuguesa De Cardiologia, 2006, 25, 849-53.	0.5	0
123	Should the echocardiogram be considered urgent when searching for the source of emboli?. Revista Portuguesa De Cardiologia, 2006, 25, 1189-90.	0.5	0
124	Anomalous origin of the right coronary artery diagnosed by cardiac computed tomography. Revista Portuguesa De Cardiologia, 2007, 26, 297-9.	0.5	0
125	Multiple complications of endocarditis. Revista Portuguesa De Cardiologia, 2007, 26, 677-8.	0.5	0
126	Early flow propagation velocity for assessment of diastolic function in myocardial infarction treated with acute reperfusion. Revista Portuguesa De Cardiologia, 2008, 27, 65-73.	0.5	0

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127	Patent ductus arteriosus studied by magnetic resonance imaging. Revista Portuguesa De Cardiologia, 2008, 27, 111-3.	0.5	0
128	Editorial: Comprehensive Risk Prediction in Cardiomyopathies: New Genetic and Imaging Markers of Risk. Frontiers in Cardiovascular Medicine, 2022, 9, 849882.	2.4	0