Andrew P Landstrom

List of Publications by Year
in descending order

88 papers	3,874 citations	201385 27 h-index	128067 60 g-index
95 all docs	95 docs citations	95 times ranked	5014 citing authors

#	Article	IF	Citations
1	One gene, two modes of inheritance, four diseases: A systematic review of the cardiac manifestation of pathogenic variants in JPH2-encoded junctophilin-2. Trends in Cardiovascular Medicine, 2023, 33, 1-10.	2.3	7
2	Molecular characterization and investigation of the role of genetic variation in phenotypic variability and response to treatment in a large pediatric Marfan syndrome cohort. Genetics in Medicine, 2022, 24, 1045-1053.	1.1	13
3	Relation of Norwood Shunt Type and Frequency of Arrhythmias at 6 Years (from the Single Ventricle) Tj ETQq1 1 0.784314 rgBT /Over	0.7	1
4	Early clinical phenotype of late onset Pompe disease: Lessons learned from newborn screening. Molecular Genetics and Metabolism, 2022, 135, 179-185.	0.5	17
5	Engineered bacterial voltage-gated sodium channel platform for cardiac gene therapy. Nature Communications, 2022, 13, 620.	5.8	12
6	GENESIS: Gene-Specific Machine Learning Models for Variants of Uncertain Significance Found in Catecholaminergic Polymorphic Ventricular Tachycardia and Long QT Syndrome-Associated Genes. Circulation: Arrhythmia and Electrophysiology, 2022, 15, 101161CIRCEP121010326.	2.1	17
7	Characterization of sedation and anesthesia complications in patients with alternating hemiplegia of childhood. European Journal of Paediatric Neurology, 2022, 38, 47-52.	0.7	6
8	Signal-to-Noise Analysis Can Inform the Likelihood That Incidentally Identified Variants in Sarcomeric Genes Are Associated with Pediatric Cardiomyopathy. Journal of Personalized Medicine, 2022, 12, 733.	1.1	1
9	Pathogenicity Assignment of Variants in Genes Associated With Cardiac Channelopathies Evolve Toward Diagnostic Uncertainty. Circulation Genomic and Precision Medicine, 2022, 15, 101161CIRCGEN121003491.	1.6	8
10	BRG1 is a biomarker of hypertrophic cardiomyopathy in human heart specimens. Scientific Reports, 2022, 12, 7996.	1.6	4
11	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
12	Amino Acid-Level Signal-to-Noise Analysis Aids in Pathogenicity Prediction of Incidentally Identified TTN -Encoded Titin Truncating Variants. Circulation Genomic and Precision Medicine, 2021, 14, e003131.	1.6	7
13	Genetic Etiology of Leftâ€Sided Obstructive Heart Lesions: A Story in Development. Journal of the American Heart Association, 2021, 10, e019006.	1.6	23
14	Genetic Variants and Post-Translational Modifications of Cardiac Troponin C: Insights from the Public Databases. Biophysical Journal, 2021, 120, 342a.	0.2	0
15	Essential roles of the dystrophin-glycoprotein complex in different cardiac pathologies. Advances in Medical Sciences, 2021, 66, 52-71.	0.9	11
16	The genetic underpinnings of anthracyclineâ€induced cardiomyopathy predisposition. Clinical Genetics, 2021, 100, 132-143.	1.0	6
17	Disparities in cardiovascular risk factors by race/ethnicity among adult survivors of childhood cancer: A report from the Childhood Cancer Survivorship Study (CCSS).. Journal of Clinical Oncology, 2021, 39, 10017-10017.	0.8	1
18	Efficacy of RyR2 inhibitor EL20 in induced pluripotent stem cellâ€derived cardiomyocytes from a patient with catecholaminergic polymorphic ventricular tachycardia. Journal of Cellular and Molecular Medicine, 2021, 25, 6115-6124.	1.6	16

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19	B-PO04-025 SIGNAL-TO-NOISE ANALYSIS OF MISSENSE VARIANTS WITHIN TBX5 SUGGESTS PRESENCE OF PHENOTYPE EXPRESSION-SPECIFIC VARIANT HOTSPOTS. Heart Rhythm, 2021, 18, S289.	0.3	0
20	Interpretation of Incidental Genetic Findings Localizing to Genes Associated With Cardiac Channelopathies and Cardiomyopathies. Circulation Genomic and Precision Medicine, 2021, 14, e003200.	1.6	8
21	B-PO04-191 ASSOCIATION BETWEEN SHORTENED QT INTERVAL AND BRADYCARDIA WITH THE D801N VARIANT OF ATP1A3 IN PATIENTS WITH ALTERNATING HEMIPLEGIA OF CHILDHOOD. Heart Rhythm, 2021, 18, S356-S357.	0.3	0
22	B-PO04-028 ANALYSIS OF CLINVAR VARIANT PATHOGENICITY ASSIGNMENT DEMONSTRATES A HIGH FREQUENCY OF CLINICALLY MEANINGFUL CHANGE IN CHANNELOPATHY-ASSOCIATED GENES. Heart Rhythm, 2021, 18, S290-S291.	0.3	0
23	Genetic Testing for Heritable Cardiovascular Diseases in Pediatric Patients: A Scientific Statement From the American Heart Association. Circulation Genomic and Precision Medicine, 2021, 14, e000086.	1.6	43
24	Differential inflammatory responses of the native left and right ventricle associated with donor heart preservation. Physiological Reports, 2021, 9, e15004.	0.7	4
25	ATP1A3 â€Encoded Sodiumâ€Potassium ATPase Subunit Alpha 3 D801N Variant Is Associated With Shortened QT Interval and Predisposition to Ventricular Fibrillation Preceded by Bradycardia. Journal of the American Heart Association, 2021, 10, e019887.	1.6	3
26	The clinical utility of pediatric cardiomyopathy genetic testing: From diagnosis to a precision medicine-based approach to care. Progress in Pediatric Cardiology, 2021, 62, 101413.	0.2	9
27	Leveraging Clinical Informatics Tools to Extract Cumulative Anthracycline Exposure, Measure Cardiovascular Outcomes, and Assess Guideline Adherence for Children With Cancer. JCO Clinical Cancer Informatics, 2021, 5, 1062-1075.	1.0	1
28	TBX5 â€encoded Tâ€box transcription factor 5 variant T223M is associated with long QT syndrome and pediatric sudden cardiac death. American Journal of Medical Genetics, Part A, 2021, 185, 923-929.	0.7	4
29	Inflammation and Immune Response in Arrhythmogenic Cardiomyopathy: State-of-the-Art Review. Circulation, 2021, 144, 1646-1655.	1.6	51
30	Risk Factors for Sudden Infant Death in North Carolina. Frontiers in Pediatrics, 2021, 9, 770803.	0.9	2
31	Genotype Predicts Outcomes in Fetuses and Neonates With Severe Congenital Long QT Syndrome. JACC: Clinical Electrophysiology, 2020, 6, 1561-1570.	1.3	24
32	A comprehensive guide to genetic variants and post-translational modifications of cardiac troponin C. Journal of Muscle Research and Cell Motility, 2020, 42, 323-342.	0.9	12
33	Genetic Testing for Inherited Cardiovascular Diseases: A Scientific Statement From the American Heart Association. Circulation Genomic and Precision Medicine, 2020, 13, e000067.	1.6	200
34	Rare Things Being Common. Circulation, 2020, 142, 339-341.	1.6	1
35	Cardiac dysregulation following intrahippocampal kainate-induced status epilepticus. Scientific Reports, 2020, 10, 4043.	1.6	2
36	Variant R94C in TNNT2 â€Encoded Troponin T Predisposes to Pediatric Restrictive Cardiomyopathy and Sudden Death Through Impaired Thin Filament Relaxation Resulting in Myocardial Diastolic Dysfunction. Journal of the American Heart Association, 2020, 9, e015111.	1.6	17

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37	An International Multicenter Evaluation of Type 5 Long QT Syndrome. Circulation, 2020, 141, 429-439.	1.6	39
38	Meta-analysis of cardiomyopathy-associated variants in troponin genes identifies loci and intragenic hot spots that are associated with worse clinical outcomes. Journal of Molecular and Cellular Cardiology, 2020, 142, 118-125.	0.9	30
39	Abstract 14296: Differential Left and Right Ventricle Response to Cold Storage Followed by Reperfusion in Heart Transplantation. Circulation, 2020, 142, .	1.6	0
40	Association of Wolff-Parkinson-White With Left Ventricular Noncompaction Cardiomyopathy in Children. Journal of Cardiac Failure, 2019, 25, 1004-1008.	0.7	10
41	A 14â€yearâ€old in heart failure with multiple cardiomyopathy variants illustrates a role for signalâ€toâ€noise analysis in gene test reâ€interpretation. Clinical Case Reports (discontinued), 2019, 7, 211-217.	0.2	9
42	Analysis of enriched rare variants in JPH2-encoded junctophilin-2 among Greater Middle Eastern individuals reveals a novel homozygous variant associated with neonatal dilated cardiomyopathy. Scientific Reports, 2019, 9, 9038.	1.6	22
43	Incidentally identified genetic variants in arrhythmogenic right ventricular cardiomyopathyâ€associated genes among children undergoing exome sequencing reflect healthy population variation. Molecular Genetics & Genomic Medicine, 2019, 7, e593.	0.6	13
44	Determining the Likelihood of Variant Pathogenicity Using Amino Acid-level Signal-to-Noise Analysis of Genetic Variation. Journal of Visualized Experiments, 2019, , .	0.2	10
45	Abstract 215: Assessing the Efficacy of Novel RYR2 Inhibitor, EL20, in Induced Pluripotent Stem Cell Derived Cardiomyocytes from a Catecholaminergic Polymorphic Ventricular Tachycardia Patient. Circulation Research, 2019, 125, .	2.0	0
46	Amino acidâ€“level signal-to-noise analysis of incidentally identified variants in genes associated with long QT syndrome during pediatric whole exome sequencing reflects background genetic noise. Heart Rhythm, 2018, 15, 1042-1050.	0.3	13
47	Copy Number Variants of Undetermined Significance Are Not Associated with Worse Clinical Outcomes in Hypoplastic Left Heart Syndrome. Journal of Pediatrics, 2018, 202, 206-211.e2.	0.9	3
48	Intravenous sotalol for the management of postoperative junctional ectopic tachycardia. HeartRhythm Case Reports, 2018, 4, 375-377.	0.2	7
49	Early experience with intravenous sotalol in children with and without congenital heart disease. Heart Rhythm, 2018, 15, 1862-1869.	0.3	18
50	Interpreting Incidentally Identified Variants in Genes Associated With Catecholaminergic Polymorphic Ventricular Tachycardia in a Large Cohort of Clinical Whole-Exome Genetic Test Referrals. Circulation: Arrhythmia and Electrophysiology, 2017, 10, .	2.1	35
51	Calcium Signaling and Cardiac Arrhythmias. Circulation Research, 2017, 120, 1969-1993.	2.0	368
52	Novel Junctophilin-2 Mutation A405S Is Associated With Basal Septal Hypertrophy and Diastolic Dysfunction. JACC Basic To Translational Science, 2017, 2, 56-67.	1.9	22
53	Hypertension Susceptibility Loci are Associated with Anthracycline-related Cardiotoxicity in Long-term Childhood Cancer Survivors. Scientific Reports, 2017, 7, 9698.	1.6	23
54	Hypertrophic Cardiomyopathy Cardiac Troponin C Mutations Differentially Affect Slow Skeletal and Cardiac Muscle Regulation. Frontiers in Physiology, 2017, 8, 221.	1.3	16

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55	Novel long QT syndrome-associated missense mutation, L762F, in CACNA1C-encoded L-type calcium channel imparts a slower inactivation tau and increased sustained and window current. International Journal of Cardiology, 2016, 220, 290-298.	0.8	40
56	Junctophilin-2 at the intersection of arrhythmia and pathologic cardiac remodeling. Heart Rhythm, 2016, 13, 753-754.	0.3	5
57	Itâ€™s not the heart: autonomic nervous system predisposition to lethal ventricular arrhythmias. Heart Rhythm, 2015, 12, 2294-2295.	0.3	4
58	Abstract 35: Pseudo-knockin Mice Expressing JPH2-A399S Develop Cardiac Hypertrophy by Magnetic Resonance Imaging. Circulation Research, 2015, 117, .	2.0	0
59	Abstract 9741: A Novel Mutation Identified in a Large Multi-Generational Family With Long QT Syndrome Reveals Distinct, Disease-Specific Mutation Hot Spots within the CACNA1C- Encoded L-type Calcium Channel. Circulation, 2015, 132, .	1.6	0
60	Reduced junctional Na⁺/Ca²⁺-exchanger activity contributes to sarcoplasmic reticulum Ca²⁺ leak in junctophilin-2-deficient mice. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H1317-H1326.	1.5	36
61	The junctophilin family of proteins: from bench to bedside. Trends in Molecular Medicine, 2014, 20, 353-362.	3.5	60
62	Distinguishing Hypertrophic Cardiomyopathy-Associated Mutations from Background Genetic Noise. Journal of Cardiovascular Translational Research, 2014, 7, 347-361.	1.1	48
63	Emerging roles of junctophilin-2 in the heart and implications for cardiac diseases. Cardiovascular Research, 2014, 103, 198-205.	1.8	68
64	Mutation E169K in Junctophilin-2 Causes Atrial Fibrillation Due to Impaired RyR2 Stabilization. Journal of the American College of Cardiology, 2013, 62, 2010-2019.	1.2	165
65	Junctophilin-2 is necessary for T-tubule maturation during mouse heart development. Cardiovascular Research, 2013, 100, 44-53.	1.8	98
66	A Mutation in TNNC1-encoded Cardiac Troponin C, TNNC1-A31S, Predisposes to Hypertrophic Cardiomyopathy and Ventricular Fibrillation. Journal of Biological Chemistry, 2012, 287, 31845-31855.	1.6	50
67	Beyond the Cardiac Myofilament: Hypertrophic Cardiomyopathy- Associated Mutations in Genes that Encode Calcium-Handling Proteins. Current Molecular Medicine, 2012, 12, 507-518.	0.6	43
68	A Novel Mutation in TNNC1-ENCODED Cardiac Troponin C Predisposes to Hypertrophic Cardiomyopathy and Recurrent Episodes of Aborted Sudden Cardiac Death. Biophysical Journal, 2011, 100, 114a.	0.2	0
69	Distinguishing Arrhythmogenic Right Ventricular Cardiomyopathy/Dysplasiaâ€“Associated Mutations From Background Genetic Noise. Journal of the American College of Cardiology, 2011, 57, 2317-2327.	1.2	269
70	PLN-encoded phospholamban mutation in a large cohort of hypertrophic cardiomyopathy cases: Summary of the literature and implications for genetic testing. American Heart Journal, 2011, 161, 165-171.	1.2	54
71	The Achillesâ€™ Heel of Cardiovascular Genetic Testing: Distinguishing Pathogenic Mutations From Background Genetic Noise. Clinical Pharmacology and Therapeutics, 2011, 90, 496-499.	2.3	19
72	Dysferlin, Annexin A1, and Mitsugumin 53 Are Upregulated in Muscular Dystrophy and Localize to Longitudinal Tubules of the T-System With Stretch. Journal of Neuropathology and Experimental Neurology, 2011, 70, 302-313.	0.9	77

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73	Junctophilin-2 Expression Silencing Causes Cardiocyte Hypertrophy and Abnormal Intracellular Calcium-Handling. Circulation: Heart Failure, 2011, 4, 214-223.	1.6	92
74	Disrupted Junctional Membrane Complexes and Hyperactive Ryanodine Receptors After Acute Junctophilin Knockdown in Mice. Circulation, 2011, 123, 979-988.	1.6	224
75	Role of Genetic Testing for Sudden Death Predisposing Heart Conditions in Athletes. , 2011, , 85-100.		2
76	Mutation Type Is Not Clinically Useful in Predicting Prognosis in Hypertrophic Cardiomyopathy. Circulation, 2010, 122, 2441-2450.	1.6	128
77	Genetics and Clinical Destiny: Improving Care in Hypertrophic Cardiomyopathy. Circulation, 2010, 122, 2430-2440.	1.6	126
78	Molecular evolution of the junctophilin gene family. Physiological Genomics, 2009, 37, 175-186.	1.0	75
79	GWAS or Gee Whiz, PSAS or Pshaw: Elucidating the biologic and clinical significance of genetic variation in cardiovascular disease. Heart Rhythm, 2009, 6, 1751-1753.	0.3	8
80	Molecular and functional characterization of novel hypertrophic cardiomyopathy susceptibility mutations in TNNC1-encoded troponin C. Journal of Molecular and Cellular Cardiology, 2008, 45, 281-288.	0.9	111
81	PHILADELPHIA CHROMOSOME MOSAICISM DUE TO ADDITIONAL CYTOGENETIC ABNORMALITIES IN CHRONIC MYELOID LEUKEMIA MIGHT ADVERSELY AFFECT PROGNOSIS AND RESPONSE TO IMATINIB.. Journal of Investigative Medicine, 2007, 55, S349.	0.7	0
82	Mutations in JPH2-encoded junctophilin-2 associated with hypertrophic cardiomyopathy in humans. Journal of Molecular and Cellular Cardiology, 2007, 42, 1026-1035.	0.9	165
83	Philadelphia chromosome mosaicism at diagnosis in chronic myeloid leukemia: Clinical correlates and effect on imatinib mesylate treatment outcome. Leukemia and Lymphoma, 2007, 48, 2137-2140.	0.6	6
84	Gain-of-function RAF1 mutations cause Noonan and LEOPARD syndromes with hypertrophic cardiomyopathy. Nature Genetics, 2007, 39, 1007-1012.	9.4	624
85	Abstract 371: Prevalence and Spectrum of Thin Filament Mutations in 1025 Patients with Hypertrophic Cardiomyopathy. Circulation, 2007, 116, .	1.6	0
86	Fluorescentin situhybridization in the diagnosis, prognosis, and treatment monitoring of chronic myeloid leukemia. Leukemia and Lymphoma, 2006, 47, 397-402.	0.6	46
87	Utility of peripheral blood dual color, double fusion fluorescentin situhybridization forBCR/ABLfusion to assess cytogenetic remission status in chronic myeloid leukemia. Leukemia and Lymphoma, 2006, 47, 2055-2061.	0.6	24
88	Additional Cytogenetic Abnormalities and/or Philadelphia Chromosome Metaphase Mosaicism Might Adversely Influence Survival and Imatinib Response in Chronic Myeloid Leukemia.. Blood, 2006, 108, 4783-4783.	0.6	0