Anna A Kostareva

List of Publications by Year
in descending order

90	1,660	279487 23	360668 35
papers	citations	h-index	g-index

92	92	92	2818
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Valve Interstitial Cells: The Key to Understanding the Pathophysiology of Heart Valve Calcification. Journal of the American Heart Association, 2017, 6, .	1.6	215
2	Genetic Spectrum of Idiopathic Restrictive Cardiomyopathy Uncovered by Next-Generation Sequencing. PLoS ONE, 2016, 11, e0163362.	1.1	78
3	Haplotype Sharing Provides Insights into Fine-Scale Population History and Disease in Finland. American Journal of Human Genetics, 2018, 102, 760-775.	2.6	57
4	Seventy years after the siege of Leningrad. Journal of Hypertension, 2015, 33, 1772-1779.	0.3	49
5	De novo mutations in FLNC leading to early-onset restrictive cardiomyopathy and congenital myopathy. Human Mutation, 2018, 39, 1161-1172.	1.1	49
6	Variants in theNOTCH1Gene in Patients with Aortic Coarctation. Congenital Heart Disease, 2014, 9, 391-396.	0.0	48
7	Assaying Mitochondrial Respiration as an Indicator of Cellular Metabolism and Fitness. Methods in Molecular Biology, 2017, 1601, 79-87.	0.4	45
8	Mice expressing L345P mutant desmin exhibit morphological and functional changes of skeletal and cardiac mitochondria. Journal of Muscle Research and Cell Motility, 2008, 29, 25-36.	0.9	44
9	Forced expression of desmin and desmin mutants in cultured cells: Impact of myopathic missense mutations in the central coiled-coil domain on network formation. Experimental Cell Research, 2006, 312, 1554-1565.	1.2	40
10	Deletion in TNNI3 gene is associated with restrictive cardiomyopathy. International Journal of Cardiology, 2009, 131, 410-412.	0.8	39
11	Phenotypic and Functional Changes of Endothelial and Smooth Muscle Cells in Thoracic Aortic Aneurysms. International Journal of Vascular Medicine, 2016, 2016, 1-11.	0.4	39
12	Modulation of insulin degrading enzyme activity and liver cell proliferation. Cell Cycle, 2015, 14, 2293-2300.	1.3	36
13	Different Notch signaling in cells from calcified bicuspid and tricuspid aortic valves. Journal of Molecular and Cellular Cardiology, 2018, 114, 211-219.	0.9	36
14	Inflammation and Mechanical Stress Stimulate Osteogenic Differentiation of Human Aortic Valve Interstitial Cells. Frontiers in Physiology, 2018, 9, 1635.	1.3	34
15	Heparinase treatment of heparin-contaminated plasma from coronary artery bypass grafting patients enables reliable quantification of microRNAs. Biomolecular Detection and Quantification, 2016, 8, 9-14.	7.0	31
16	Relationship Between Vitamin D Status and Vitamin D Receptor Gene Polymorphisms With Markers of Metabolic Syndrome Among Adults. Frontiers in Endocrinology, 2018, 9, 448.	1.5	31
17	Beta-catenin in schizophrenia: Possibly deleterious novel mutation. Psychiatry Research, 2015, 228, 843-848.	1.7	30
18	Interstitial cells in calcified aortic valves have reduced differentiation potential and stem cell-like properties. Scientific Reports, 2019, 9, 12934.	1.6	30

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19	The Notch pathway: a novel therapeutic target for cardiovascular diseases?. Expert Opinion on Therapeutic Targets, 2019, 23, 695-710.	1.5	29
20	Mechanisms of Smooth Muscle Cell Differentiation Are Distinctly Altered in Thoracic Aortic Aneurysms Associated with Bicuspid or Tricuspid Aortic Valves. Frontiers in Physiology, 2017, 8, 536.	1.3	27
21	Heterogeneity of the nucleic acid repertoire of plasma extracellular vesicles demonstrated using highâ€sensitivity fluorescenceâ€activated sorting. Journal of Extracellular Vesicles, 2020, 9, 1743139.	5.5	27
22	Various lamin A/C mutations alter expression profile of mesenchymal stem cells in mutation specific manner. Molecular Genetics and Metabolism, 2015, 115, 118-127.	0.5	25
23	Altered DNA methylation indicates an oscillatory flow mediated epithelial-to-mesenchymal transition signature in ascending aorta of patients with bicuspid aortic valve. Scientific Reports, 2018, 8, 2777.	1.6	25
24	Dose-dependent mechanism of Notch action in promoting osteogenic differentiation of mesenchymal stem cells. Cell and Tissue Research, 2020, 379, 169-179.	1.5	25
25	Regulation of nutrition-associated receptors in blood monocytes of normal weight and obese humans. Peptides, 2015, 65, 12-19.	1.2	24
26	Desmin mutations result in mitochondrial dysfunction regardless of their aggregation properties. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165745.	1.8	24
27	Chicken rRNA Gene Cluster Structure. PLoS ONE, 2016, 11, e0157464.	1.1	24
28	Autotransplantation of cryopreserved ovarian tissue â€“ effective method of fertility preservation in cancer patients. Gynecological Endocrinology, 2014, 30, 43-47.	0.7	21
29	Aggregate-prone desmin mutations impair mitochondrial calcium uptake in primary myotubes. Cell Calcium, 2014, 56, 269-275.	1.1	20
30	NOTCH1 Mutations in Aortic Stenosis: Association with Osteoprotegerin/RANK/RANKL. BioMed Research International, 2017, 2017, 1-10.	0.9	20
31	Two New Cases of Hypertrophic Cardiomyopathy and Skeletal Muscle Features Associated with ALPK3 Homozygous and Compound Heterozygous Variants. Genes, 2020, 11, 1201.	1.0	20
32	Diagnostic Challenge in Desmin Cardiomyopathy With Transformation of Clinical Phenotypes. Pediatric Cardiology, 2013, 34, 467-470.	0.6	19
33	Notch, BMP and WNT/Î²-catenin network is impaired in endothelial cells of the patients with thoracic aortic aneurysm. Atherosclerosis Supplements, 2018, 35, e6-e13.	1.2	19
34	Release of Mitochondrial and Nuclear DNA During On-Pump Heart Surgery: Kinetics and Relation to Extracellular Vesicles. Journal of Cardiovascular Translational Research, 2019, 12, 184-192.	1.1	18
35	Tissue-Specific Influence of Lamin A Mutations on Notch Signaling and Osteogenic Phenotype of Primary Human Mesenchymal Cells. Cells, 2019, 8, 266.	1.8	16
36	Sodium current abnormalities and deregulation of Wnt/Î²-catenin signaling in iPSC-derived cardiomyocytes generated from patient with arrhythmogenic cardiomyopathy harboring compound genetic variants in plakophilin 2 gene. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165915.	1.8	16

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37	Infantile restrictive cardiomyopathy: cTnI-R170G/W impair the interplay of sarcomeric proteins and the integrity of thin filaments. PLoS ONE, 2020, 15, e0229227.	1.1	16
38	Notch signaling in the pathogenesis of thoracic aortic aneurysms: A bridge between embryonic and adult states. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165631.	1.8	15
39	Human aortic endothelial cells have osteogenic Notch-dependent properties in co-culture with aortic smooth muscle cells. Biochemical and Biophysical Research Communications, 2019, 514, 462-468.	1.0	13
40	Skeletal Muscle Mitochondria Dysfunction in Genetic Neuromuscular Disorders with Cardiac Phenotype. International Journal of Molecular Sciences, 2021, 22, 7349.	1.8	13
41	Early Changes of Gene Expression Profiles in the Rat Model of Arterial Injury. Journal of Vascular and Interventional Radiology, 2014, 25, 789-796.e7.	0.2	12
42	Primary Murine Myotubes as a Model for Investigating Muscular Dystrophy. BioMed Research International, 2015, 2015, 1-12.	0.9	12
43	Atomic Mechanisms of Timothy Syndrome-Associated Mutations in Calcium Channel Cav1.2. Frontiers in Physiology, 2019, 10, 335.	1.3	11
44	Application of high-sensitivity flow cytometry in combination with low-voltage scanning electron microscopy for characterization of nanosized objects during platelet concentrate storage. Platelets, 2020, 31, 226-235.	1.1	11
45	Genetic spectrum of cardiomyopathies with neuromuscular phenotype. Frontiers in Bioscience - Scholar, 2013, S5, 325-340.	0.8	10
46	Generation of iPSC line from patient with arrhythmogenic right ventricular cardiomyopathy carrying mutations in PKP2 gene. Stem Cell Research, 2017, 24, 85-88.	0.3	10
47	Truncating Variant in Myof Gene Is Associated With Limb-Girdle Type Muscular Dystrophy and Cardiomyopathy. Frontiers in Genetics, 2019, 10, 608.	1.1	10
48	LMNA Mutations G232E and R482L Cause Dysregulation of Skeletal Muscle Differentiation, Bioenergetics, and Metabolic Gene Expression Profile. Genes, 2020, 11, 1057.	1.0	10
49	Different Expressions of Pericardial Fluid MicroRNAs in Patients With Arrhythmogenic Right Ventricular Cardiomyopathy and Ischemic Heart Disease Undergoing Ventricular Tachycardia Ablation. Frontiers in Cardiovascular Medicine, 2021, 8, 647812.	1.1	10
50	Progressive cardiac conduction disease associated with a DSP gene mutation. International Journal of Cardiology, 2016, 216, 188-189.	0.8	9
51	Genetic Spectrum of Left Ventricular Non-Compaction in Paediatric Patients. Cardiology, 2020, 145, 746-756.	0.6	9
52	The emergency medical service has a crucial role to unravel the genetics of sudden cardiac arrest in young, out of hospital resuscitated patients. Resuscitation, 2021, 168, 176-185.	1.3	9
53	Practical guidelines for the diagnosis and treatment of transthyretin amyloid cardiomyopathy (ATTR-CM or transthyretin cardiac amyloidosis). Terapevticheskii Arkhiv, 2022, 94, 584-595.	0.2	9
54	Ring chromosome 18 in combination with 18q12.1 (DTNA) interstitial microdeletion in a patient with multiple congenital defects. Molecular Cytogenetics, 2016, 9, 18.	0.4	8

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55	Generation of iPSC line from desmin-related cardiomyopathy patient carrying splice site mutation of DES gene. Stem Cell Research, 2017, 24, 77-80.	0.3	8
56	Characterization of a novel SCN5A genetic variant A1294G associated with mixed clinical phenotype. Biochemical and Biophysical Research Communications, 2019, 516, 777-783.	1.0	8
57	FLNC Expression Level Influences the Activity of TEAD-YAP/TAZ Signaling. Genes, 2020, 11, 1343.	1.0	7
58	RBM20-Associated Ventricular Arrhythmias in a Patient with Structurally Normal Heart. Genes, 2021, 12, 94.	1.0	7
59	Nuclear lamins regulate osteogenic differentiation of mesenchymal stem cells. Cell and Tissue Biology, 2014, 8, 292-298.	0.2	6
60	Generation of two iPSC lines (FAMRCi006-A and FAMRCi006-B) from patient with dilated cardiomyopathy and Emeryâ€“Dreifuss muscular dystrophy associated with genetic variant LMNAp.Arg527Pro.. Stem Cell Research, 2020, 43, 101714.	0.3	6
61	Models and Techniques to Study Aortic Valve Calcification in Vitro, ex Vivo and in Vivo. An Overview. Frontiers in Pharmacology, 2022, 13, .	1.6	6
62	Congenital Heart Defects Are Rarely Caused by Mutations in Cardiac and Smooth Muscle Actin Genes. BioMed Research International, 2015, 2015, 1-3.	0.9	5
63	Structural consequences of mutations associated with idiopathic restrictive cardiomyopathy. Amino Acids, 2017, 49, 1815-1829.	1.2	5
64	Time- and Ventricular-Specific Expression Profiles of Genes Encoding Z-Disk Proteins in Pressure Overload Model of Left Ventricular Hypertrophy. Frontiers in Genetics, 2018, 9, 684.	1.1	5
65	Case Reports: Emery-Dreifuss Muscular Dystrophy Presenting as a Heart Rhythm Disorders in Children. Frontiers in Cardiovascular Medicine, 2021, 8, 668231.	1.1	5
66	Case Report: Two New Cases of Autosomal-Recessive Hypertrophic Cardiomyopathy Associated With TRIM63-Compound Heterozygous Variant. Frontiers in Genetics, 2022, 13, 743472.	1.1	5
67	Mechanisms of Regenerative Potential Activation in Cardiac Mesenchymal Cells. Biomedicines, 2022, 10, 1283.	1.4	5
68	Lamin A/C mutations alter differentiation potential of mesenchymal stem cells. Cell and Tissue Biology, 2013, 7, 325-328.	0.2	4
69	Rare Case of Ulnar-Mammary-Like Syndrome With Left Ventricular Tachycardia and Lack of TBX3 Mutation. Frontiers in Genetics, 2018, 9, 209.	1.1	4
70	The effect of plakophilin-2 gene mutations on the activity of canonical WNT signaling. Cell and Tissue Biology, 2016, 10, 106-113.	0.2	3
71	Aortic Graft at Coronary Artery Bypass Surgery as a Source of Human Aortic Smooth Muscle Cells. Cell Transplantation, 2017, 26, 1663-1668.	1.2	3
72	Generation of two iPSC lines (FAMRCi007-A and FAMRCi007-B) from patient with Emeryâ€“Dreifuss muscular dystrophy and heart rhythm abnormalities carrying genetic variant LMNA p.Arg249Gln. Stem Cell Research, 2020, 47, 101895.	0.3	3

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73	A 300-kb microduplication of 7q36.3 in a patient with triphalangeal thumb-polysyndactyly syndrome combined with congenital heart disease and optic disc coloboma: a case report. BMC Medical Genomics, 2020, 13, 175.	0.7	3
74	AL-amyloidosis with cardiac involvement. Diagnostic capabilities of non-invasive methods. Terapevticheskii Arkhiv, 2021, 93, 487-496.	0.2	3
75	L-Type Calcium Channel: Predicting Pathogenic/Likely Pathogenic Status for Variants of Uncertain Clinical Significance. Membranes, 2021, 11, 599.	1.4	3
76	Functional Analysis of SCN5A Genetic Variants Associated with Brugada Syndrome. Cardiology, 2022, 147, 35-46.	0.6	3
77	Generation of iPSC line (FAMRCi009-A) from patient with familial progressive cardiac conduction disorder carrying genetic variant FLNC p.Val2264Met. Stem Cell Research, 2022, 59, 102640.	0.3	3
78	Application of Machine Learning Methods to Analyze Occurrence and Clinical Features of Ascending Aortic Dilatation in Patients with and without Bicuspid Aortic Valve. Journal of Personalized Medicine, 2022, 12, 794.	1.1	3
79	Genotype imputation and polygenic score estimation in northwestern Russian population. PLoS ONE, 2022, 17, e0269434.	1.1	3
80	Comparative assessment of different approaches for obtaining terminally differentiated cell lines. Cell and Tissue Biology, 2014, 8, 321-329.	0.2	2
81	Neonatal hypertrophic cardiomyopathy caused by double mutation in RAS pathway genes. International Journal of Cardiology, 2015, 184, 272-273.	0.8	2
82	The role of LMNA mutations in myogenic differentiation of C2C12 and primary satellite cells. Cell and Tissue Biology, 2017, 11, 213-219.	0.2	2
83	Regulatory Action of Plasma from Patients with Obesity and Diabetes towards Muscle Cells Differentiation and Bioenergetics Revealed by the C2C12 Cell Model and MicroRNA Analysis. Biomolecules, 2021, 11, 769.	1.8	2
84	Characterization of the novel heterozygous SCN5A genetic variant Y739D associated with Brugada syndrome. Biochemistry and Biophysics Reports, 2022, 30, 101249.	0.7	2
85	Generation of two iPSC lines (FAMRCi004-A and FAMRCi004-B) from patient with familial progressive cardiac conduction disorder carrying genetic variant DSP p.His1684Arg.. Stem Cell Research, 2020, 43, 101720.	0.3	1
86	Generation of two induced pluripotent stem cell lines (FAMRCi005-A and FAMRCi005-B) from patient carrying genetic variant LMNA p.Asp357Val.. Stem Cell Research, 2020, 43, 101719.	0.3	1
87	Clinical heterogeneity and molecular genetic causes in a cohort of patients with disorders/differences of sex development. PediatriÃ¢ Consilium Medicum, 2021, , 194-202.	0.1	0
88	Next-generation DNA sequencing in an appropriate sex assignment: Case report of two phenotypically similar patients with 46, XY disorder of sex development.. European Journal of Medical Case Reports, 0, , 68-73.	0.0	0
89	Relationship between the Levels of lncRNA H19 in Plasma and Different Adipose Tissue Depots with Patientsâ€™ Response to Bariatric Surgery. Life, 2022, 12, 633.	1.1	0
90	Case Report: Supernormal Vascular Aging in Leningrad Siege Survivors. Frontiers in Cardiovascular Medicine, 2022, 9, .	1.1	0