

# Despina Sanoudou

## List of Publications by Year in descending order

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120  
papers

4,994  
citations

94433

37  
h-index

102487

66  
g-index

123  
all docs

123  
docs citations

123  
times ranked

7640  
citing authors

#	ARTICLE	IF	CITATIONS
1	CYP1A2 polymorphisms modify the association of habitual coffee consumption with appetite, macronutrient intake, and body mass index: results from an observational cohort and a cross-over randomized study. <i>International Journal of Obesity</i> , 2022, 46, 162-168.	3.4	10
2	Editorial: Obesity, metabolic phenotypes and COVID-19. <i>Metabolism: Clinical and Experimental</i> , 2022, 128, 155121.	3.4	20
3	Reconstituted HDL-apoE3 promotes endothelial cell migration through ID1 and its downstream kinases ERK1/2, AKT and p38 MAPK. <i>Metabolism: Clinical and Experimental</i> , 2022, 127, 154954.	3.4	12
4	A junctional cAMP compartment regulates rapid Ca <sup>2+</sup> signaling in atrial myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2022, 165, 141-157.	1.9	6
5	Genetically-Guided Medical Nutrition Therapy in Type 2 Diabetes Mellitus and Pre-diabetes: A Series of n-of-1 Superiority Trials. <i>Frontiers in Nutrition</i> , 2022, 9, 772243.	3.7	9
6	Darling: A Web Application for Detecting Disease-Related Biomedical Entity Associations with Literature Mining. <i>Biomolecules</i> , 2022, 12, 520.	4.0	9
7	The Challenge and Importance of Integrating Drug-Nutrient-Genome Interactions in Personalized Cardiovascular Healthcare. <i>Journal of Personalized Medicine</i> , 2022, 12, 513.	2.5	3
8	Nonalcoholic Fatty Liver Disease and Cardiovascular Disease: a Review of Shared Cardiometabolic Risk Factors. <i>Hypertension</i> , 2022, 79, 1319-1326.	2.7	50
9	Epitranscriptomic challenges and promises in metabolic diseases. <i>Metabolism: Clinical and Experimental</i> , 2022, 132, 155219.	3.4	9
10	Aberrant PLN-R14del Protein Interactions Intensify SERCA2a Inhibition, Driving Impaired Ca <sup>2+</sup> Handling and Arrhythmogenesis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6947.	4.1	11
11	Structure-function analysis of naturally occurring apolipoprotein A-I L144R, A164S and L178P mutants provides insight on their role on HDL levels and cardiovascular risk. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 1523-1544.	5.4	8
12	Intracoronary Administration of Allogeneic Cardiosphere-Derived Cells Immediately Prior to Reperfusion in Pigs With Acute Myocardial Infarction Reduces Infarct Size and Attenuates Adverse Cardiac Remodeling. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2021, 26, 88-99.	2.0	3
13	Advances in biological therapies for dyslipidemias and atherosclerosis. <i>Metabolism: Clinical and Experimental</i> , 2021, 116, 154461.	3.4	41
14	COVID-19 enters the expanding network of apolipoprotein E4-related pathologies. <i>Redox Biology</i> , 2021, 41, 101938.	9.0	31
15	Impaired Right Ventricular Calcium Cycling Is an Early Risk Factor in R14del-Phospholamban Arrhythmias. <i>Journal of Personalized Medicine</i> , 2021, 11, 502.	2.5	12
16	Genotype-guided dietary supplementation in precision nutrition. <i>Nutrition Reviews</i> , 2021, 79, 1225-1235.	5.8	10
17	Epitranscriptomics of cardiovascular diseases (Review). <i>International Journal of Molecular Medicine</i> , 2021, 49, .	4.0	9
18	Precision Medicine in Aortic Anastomosis: A Numerical and Experimental Study of a Novel Double-Sided Needle. <i>Journal of Personalized Medicine</i> , 2021, 11, 1385.	2.5	2

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19	Levosimendan prevents doxorubicin-induced cardiotoxicity in time- and dose-dependent manner: implications for inotropy. <i>Cardiovascular Research</i> , 2020, 116, 576-591.	3.8	32
20	The "Virtual Digital Twins" Concept in Precision Nutrition. <i>Advances in Nutrition</i> , 2020, 11, 1405-1413.	6.4	48
21	The Cardioprotective PKA-Mediated Hsp20 Phosphorylation Modulates Protein Associations Regulating Cytoskeletal Dynamics. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9572.	4.1	9
22	Genome-wide transcriptomics identifies an early preclinical signature of prion infection. <i>PLoS Pathogens</i> , 2020, 16, e1008653.	4.7	40
23	Genome-wide transcriptomics identifies an early preclinical signature of prion infection. , 2020, 16, e1008653.		0
24	Genome-wide transcriptomics identifies an early preclinical signature of prion infection. , 2020, 16, e1008653.		0
25	Cardiosphere-Derived Cells Attenuate Inflammation, Preserve Systolic Function, and Prevent Adverse Remodeling in Rat Hearts With Experimental Autoimmune Myocarditis. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2019, 24, 70-77.	2.0	19
26	Personalized Assessment of the Coronary Atherosclerotic Arteries by Intravascular Ultrasound Imaging: Hunting the Vulnerable Plaque. <i>Journal of Personalized Medicine</i> , 2019, 9, 8.	2.5	12
27	The Crocus sativus Compounds trans-Crocetin 4 and trans-Crocetin Modulate the Amyloidogenic Pathway and Tau Misprocessing in Alzheimer Disease Neuronal Cell Culture Models. <i>Frontiers in Neuroscience</i> , 2019, 13, 249.	2.8	42
28	The future of apolipoprotein E mimetic peptides in the prevention of cardiovascular disease. <i>Current Opinion in Lipidology</i> , 2019, 30, 326-341.	2.7	10
29	Prevalence and cardiac phenotype of patients with a phospholamban mutation. <i>Netherlands Heart Journal</i> , 2019, 27, 64-69.	0.8	52
30	Regulation of BECN1-mediated autophagy by HSPB6: Insights from a human HSPB6 <sup>S10F</sup> mutant. <i>Autophagy</i> , 2018, 14, 80-97.	9.1	27
31	HAX-1 regulates SERCA2a oxidation and degradation. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 114, 220-233.	1.9	20
32	Current and Emerging Reconstituted HDL-apoA-I and HDL-apoE Approaches to Treat Atherosclerosis. <i>Journal of Personalized Medicine</i> , 2018, 8, 34.	2.5	23
33	The Histidine-Rich Calcium Binding Protein in Regulation of Cardiac Rhythmicity. <i>Frontiers in Physiology</i> , 2018, 9, 1379.	2.8	12
34	Glial responses during epileptogenesis in <i>Mus musculus</i> point to potential therapeutic targets. <i>PLoS ONE</i> , 2018, 13, e0201742.	2.5	24
35	HDL-apoA-I induces the expression of angiopoietin like 4 (ANGPTL4) in endothelial cells via a PI3K/AKT/FOXO1 signaling pathway. <i>Metabolism: Clinical and Experimental</i> , 2018, 87, 36-47.	3.4	21
36	The march of pluripotent stem cells in cardiovascular regenerative medicine. <i>Stem Cell Research and Therapy</i> , 2018, 9, 201.	5.5	32

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37	Beneficial Effects of <i>Sideritis scardica</i> and <i>Cichorium spinosum</i> against Amyloidogenic Pathway and Tau Misprocessing in Alzheimer's Disease Neuronal Cell Culture Models. <i>Journal of Alzheimer's Disease</i> , 2018, 64, 787-800.	2.6	12
38	Protein aggregation and neurodegeneration in prototypical neurodegenerative diseases: Examples of amyloidopathies, tauopathies and synucleinopathies. <i>Progress in Neurobiology</i> , 2017, 155, 171-193.	5.7	137
39	Muscle Lim Protein and myosin binding protein C form a complex regulating muscle differentiation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 2308-2321.	4.1	7
40	Phosphorylation of serine96 of histidine-rich calcium-binding protein by the Fam20C kinase functions to prevent cardiac arrhythmia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9098-9103.	7.1	43
41	NADPH oxidases as drug targets and biomarkers in neurodegenerative diseases: What is the evidence?. <i>Free Radical Biology and Medicine</i> , 2017, 112, 387-396.	2.9	88
42	Impaired calcium homeostasis is associated with sudden cardiac death and arrhythmias in a genetic equivalent mouse model of the human HRC-Ser96Ala variant. <i>Cardiovascular Research</i> , 2017, 113, 1403-1417.	3.8	14
43	Strictly co-isogenic C57BL/6J-Prnp <sup>0/0</sup> mice: A rigorous resource for prion science. <i>Journal of Experimental Medicine</i> , 2016, 213, 313-327.	8.5	98
44	Ciliary neurotrophic factor upregulates follistatin and Pak1, causes overexpression of muscle differentiation related genes and downregulation of established atrophy mediators in skeletal muscle. <i>Metabolism: Clinical and Experimental</i> , 2016, 65, 915-925.	3.4	16
45	Strictly co-isogenic C57BL/6J-Prnp <sup>0/0</sup> mice: A rigorous resource for prion science. <i>Journal of Cell Biology</i> , 2016, 212, 2126OIA42.	5.2	0
46	Genetic modifiers to the PLN L39X mutation in a patient with DCM and sustained ventricular tachycardia?. <i>Global Cardiology Science &amp; Practice</i> , 2015, 2015, 29.	0.4	6
47	Correction of human phospholamban R14del mutation associated with cardiomyopathy using targeted nucleases and combination therapy. <i>Nature Communications</i> , 2015, 6, 6955.	12.8	155
48	Muscle LIM Protein: Master regulator of cardiac and skeletal muscle functions. <i>Gene</i> , 2015, 566, 1-7.	2.2	65
49	Cardioprotection by H2S engages a cGMP-dependent protein kinase G/phospholamban pathway. <i>Cardiovascular Research</i> , 2015, 106, 432-442.	3.8	72
50	Calcium/calmodulin-dependent protein kinase II (CaMKII) inhibition ameliorates arrhythmias elicited by junctin ablation under stress conditions. <i>Heart Rhythm</i> , 2015, 12, 1599-1610.	0.7	11
51	Prion Infections and Anti-PrP Antibodies Trigger Converging Neurotoxic Pathways. <i>PLoS Pathogens</i> , 2015, 11, e1004662.	4.7	76
52	Human G109E-inhibitor-1 impairs cardiac function and promotes arrhythmias. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 89, 349-359.	1.9	12
53	Outpatient management of chronic heart failure. <i>Expert Opinion on Pharmacotherapy</i> , 2015, 16, 17-41.	1.8	3
54	Natural Products as Sources of Potential Anti-amyloidogenic Agents. <i>GSTF Journal of Advances in Medical Research</i> , 2015, 1, .	0.0	3

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55	Calcium Cycling Circuits in Cardiac Physiology and Pathophysiology. , 2015, , 205-215.		1
56	Pharmacogenomics in the Development and Characterization of Atheroprotective Drugs. Methods in Molecular Biology, 2014, 1175, 259-300.	0.9	5
57	MicroRNAs in heart failure: Small molecules with major impact. Global Cardiology Science & Practice, 2014, 2014, 30.	0.4	32
58	Forced swim test induces divergent global transcriptomic alterations in the hippocampus of high versus low novelty-seeker rats. Human Genomics, 2014, 8, 4.	2.9	8
59	Muscle lim protein isoform negatively regulates striated muscle actin dynamics and differentiation. FEBS Journal, 2014, 281, 3261-3279.	4.7	26
60	Reprogramming of the MicroRNA Transcriptome Mediates Resistance to Rapamycin. Journal of Biological Chemistry, 2013, 288, 6034-6044.	3.4	41
61	Pharmacogenetic considerations for late life depression therapy. Expert Opinion on Drug Metabolism and Toxicology, 2013, 9, 989-999.	3.3	9
62	Science and practice of arrhythmogenic cardiomyopathy: A paradigm shift. Global Cardiology Science & Practice, 2013, 2013, 8.	0.4	4
63	Identification of a Protein Phosphatase-1/Phospholamban Complex That Is Regulated by cAMP-Dependent Phosphorylation. PLoS ONE, 2013, 8, e80867.	2.5	13
64	Rapamycin Resistance Is Linked to Defective Regulation of Skp2. Cancer Research, 2012, 72, 1836-1843.	0.9	38
65	Molecular genetics made simple. Global Cardiology Science & Practice, 2012, 2012, 6.	0.4	6
66	The expanding role of epigenetics. Global Cardiology Science & Practice, 2012, 2012, 7.	0.4	12
67	Regulation of adverse remodelling by osteopontin in a genetic heart failure model. European Heart Journal, 2012, 33, 1954-1963.	2.2	80
68	Array-based pharmacogenomics of molecular-targeted therapies in oncology. Pharmacogenomics Journal, 2012, 12, 185-196.	2.0	13
69	Combining multiple hypothesis testing and affinity propagation clustering leads to accurate, robust and sample size independent classification on gene expression data. BMC Bioinformatics, 2012, 13, 270.	2.6	11
70	Histidine-rich calcium binding protein: The new regulator of sarcoplasmic reticulum calcium cycling. Journal of Molecular and Cellular Cardiology, 2011, 50, 43-49.	1.9	53
71	Investigating the Minimum Required Number of Genes for the Classification of Neuromuscular Disease Microarray Data. IEEE Transactions on Information Technology in Biomedicine, 2011, 15, 349-355.	3.2	6
72	Small Heat Shock Protein 20 Interacts With Protein Phosphatase-1 and Enhances Sarcoplasmic Reticulum Calcium Cycling. Circulation Research, 2011, 108, 1429-1438.	4.5	67

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73	SERCA2a superinhibition by human phospholamban triggers electrical and structural remodeling in mouse hearts. <i>Physiological Genomics</i> , 2011, 43, 357-364.	2.3	11
74	In Silico Dynamic Molecular Interaction Networks for the Discovery of New Therapeutic Targets. <i>Current Pharmaceutical Design</i> , 2010, 16, 2241-2251.	1.9	6
75	Pharmacogenetically Tailored Treatments for Heart Disease. <i>Current Pharmaceutical Design</i> , 2010, 16, 2194-2213.	1.9	6
76	Editorial [Hot Topic: Pharmacogenomics: Achievements, Challenges and Prospects, for Patients, Pharmaceutical Industries and Healthcare Systems (Guest Editor: Despina Sanoudou)]. <i>Current Pharmaceutical Design</i> , 2010, 16, 2182-2183.	1.9	3
77	Histopathologic and genetic alterations as predictors of response to treatment and survival in lung cancer: A review of published data. <i>Critical Reviews in Oncology/Hematology</i> , 2010, 75, 94-109.	4.4	38
78	Role of Esrrg in the fibrate-mediated regulation of lipid metabolism genes in human ApoA-I transgenic mice. <i>Pharmacogenomics Journal</i> , 2010, 10, 165-179.	2.0	16
79	A comparison of batch effect removal methods for enhancement of prediction performance using MAQC-II microarray gene expression data. <i>Pharmacogenomics Journal</i> , 2010, 10, 278-291.	2.0	249
80	Clinical Pharmacogenetics in Oncology: the Paradigm of Molecular Targeted Therapies. <i>Current Pharmaceutical Design</i> , 2010, 16, 2184-2193.	1.9	10
81	Regulation of ApoA-I Gene Expression and Prospects to Increase Plasma ApoA-I and HDL Levels. , 2010, , 15-24.		1
82	Muscle Lim Protein Interacts with Cofilin 2 and Regulates F-Actin Dynamics in Cardiac and Skeletal Muscle. <i>Molecular and Cellular Biology</i> , 2009, 29, 6046-6058.	2.3	51
83	T-tubule disorganization and defective excitation-contraction coupling in muscle fibers lacking myotubularin lipid phosphatase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 18763-18768.	7.1	167
84	The Anti-apoptotic Protein HAX-1 Interacts with SERCA2 and Regulates Its Protein Levels to Promote Cell Survival. <i>Molecular Biology of the Cell</i> , 2009, 20, 306-318.	2.1	106
85	The role of SERCA2a/PLN complex, Ca <sup>2+</sup> homeostasis, and anti-apoptotic proteins in determining cell fate. <i>Pflügers Archiv European Journal of Physiology</i> , 2009, 457, 687-700.	2.8	37
86	G.P.12.02 T-tubule disorganisation and defective excitation-contraction coupling in muscle fibres lacking myotubularin lipid phosphatase. <i>Neuromuscular Disorders</i> , 2009, 19, 635-636.	0.6	0
87	Genes and Gene-Environment Interactions in the Pathogenesis of Obesity and the Metabolic Syndrome. , 2009, , 11-39.		0
88	Investigating the minimum required number of genes for optimum classification of myopathy microarray data. , 2009, , .		0
89	Search for Potential Markers for Prostate Cancer Diagnosis, Prognosis and Treatment in Clinical Tissue Specimens Using Amine-Specific Isobaric Tagging (iTRAQ) with Two-Dimensional Liquid Chromatography and Tandem Mass Spectrometry. <i>Journal of Proteome Research</i> , 2008, 7, 3146-3158.	3.7	92
90	The Ser96Ala variant in histidine-rich calcium-binding protein is associated with life-threatening ventricular arrhythmias in idiopathic dilated cardiomyopathy. <i>European Heart Journal</i> , 2008, 29, 2514-2525.	2.2	48

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91	Histidine-rich Ca-binding protein interacts with sarcoplasmic reticulum Ca-ATPase. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H1581-H1589.	3.2	75
92	A Dominant Negative Form of the Transcription Factor c-Jun Affects Genes That Have Opposing Effects on Lipid Homeostasis in Mice. Journal of Biological Chemistry, 2007, 282, 19556-19564.	3.4	23
93	C.P.1.10 Molecular mechanisms underlying X-linked myotubular myopathy. Neuromuscular Disorders, 2007, 17, 836-837.	0.6	0
94	Phospholamban Interacts with HAX-1, a Mitochondrial Protein with Anti-apoptotic Function. Journal of Molecular Biology, 2007, 367, 65-79.	4.2	85
95	Defective Ribosomal Protein Gene Expression Alters Transcription, Translation, Apoptosis, and Oncogenic Pathways in Diamond-Blackfan Anemia. Stem Cells, 2006, 24, 2034-2044.	3.2	75
96	Skeletal muscle repair in a mouse model of nemaline myopathy. Human Molecular Genetics, 2006, 15, 2603-2612.	2.9	44
97	Genetics of Obesity and Diabetes. , 2006, , 39-67.		0
98	Interferon- $\gamma$ /IFN- $\gamma$ -mediated innate immune mechanisms in dermatomyositis. Annals of Neurology, 2005, 57, 664-678.	5.3	530
99	Variations in gene expression among different types of human skeletal muscle. Muscle and Nerve, 2005, 32, 483-491.	2.2	28
100	The influence of muscle type and dystrophin deficiency on murine expression profiles. Mammalian Genome, 2005, 16, 739-748.	2.2	35
101	Array lessons from the heart: focus on the genome and transcriptome of cardiomyopathies. Physiological Genomics, 2005, 21, 131-143.	2.3	34
102	Evidence by molecular profiling for a placental origin of infantile hemangioma. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 19097-19102.	7.1	170
103	Side Population cells isolated from different tissues share transcriptome signatures and express tissue-specific markers. Experimental Cell Research, 2005, 303, 360-374.	2.6	45
104	Defective Ribosomal Protein Gene Expression Alters Transcription, Translation and Oncogenic Pathways in Diamond-Blackfan Anemia.. Blood, 2005, 106, 3546-3546.	1.4	5
105	Transcriptional profile of postmortem skeletal muscle. Physiological Genomics, 2004, 16, 222-228.	2.3	38
106	Expression profiling and identification of novel genes involved in myogenic differentiation. FASEB Journal, 2004, 18, 1-23.	0.5	157
107	Molecular classification of nemaline myopathies: "nonotyping" specimens exhibit unique patterns of gene expression. Neurobiology of Disease, 2004, 15, 590-600.	4.4	13
108	Gene Expression Changes in Bone Marrow Cells from Diamond-Blackfan Anemia Patients.. Blood, 2004, 104, 720-720.	1.4	8

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109	Gene expression profiling of Duchenne muscular dystrophy skeletal muscle. <i>Neurogenetics</i> , 2003, 4, 163-171.	1.4	82
110	Reproducibility of gene expression across generations of Affymetrix microarrays. <i>BMC Bioinformatics</i> , 2003, 4, 27.	2.6	67
111	Expression profiling reveals altered satellite cell numbers and glycolytic enzyme transcription in nemaline myopathy muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 4666-4671.	7.1	68
112	Structural Genomic Abnormalities of Chromosomes 9 and 18 in Myxopapillary Ependymomas. <i>Journal of Neuropathology and Experimental Neurology</i> , 2003, 62, 927-935.	1.7	15
113	Gene expression comparison of biopsies from Duchenne muscular dystrophy (DMD) and normal skeletal muscle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 15000-15005.	7.1	312
114	Clinical and genetic heterogeneity in nemaline myopathy – a disease of skeletal muscle thin filaments. <i>Trends in Molecular Medicine</i> , 2001, 7, 362-368.	6.7	145
115	Interstitial colocalization of two cervid satellite DNAs involved in the genesis of the Indian muntjac karyotype. <i>Chromosome Research</i> , 2000, 8, 363-373.	2.2	39
116	Analysis of pilocytic astrocytoma by comparative genomic hybridization. <i>British Journal of Cancer</i> , 2000, 82, 1218-1222.	6.4	96
117	Acquired Rearrangement of an Amplified Epidermal Growth Factor Receptor (EGFR) Gene in a Human Glioblastoma Xenograft. <i>Journal of Neuropathology and Experimental Neurology</i> , 1999, 58, 697-701.	1.7	12
118	Chromosome specific comparative genome hybridisation for determining the origin of intrachromosomal duplications.. <i>Journal of Medical Genetics</i> , 1998, 35, 37-41.	3.2	23
119	Neuropharmacogenetics of Major Depression: Has the Time Come to Take both Sexes into Account?. , 0, , .		0
120	Continuous glucose monitoring and hypoglycaemia events: unmet needs. <i>Diabetologia</i> , 0, , .	6.3	1