

Lilei Yu

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

2,414
citations

279487

23
h-index

223531

46
g-index

86
all docs

86
docs citations

86
times ranked

3004
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep learning-based model for detecting 2019 novel coronavirus pneumonia on high-resolution computed tomography. <i>Scientific Reports</i> , 2020, 10, 19196.	1.6	306
2	Nanopore Targeted Sequencing for the Accurate and Comprehensive Detection of SARS-CoV-2 and Other Respiratory Viruses. <i>Small</i> , 2020, 16, e2002169.	5.2	169
3	Low-level transcutaneous electrical stimulation of the auricular branch of the vagus nerve: A noninvasive approach to treat the initial phase of atrial fibrillation. <i>Heart Rhythm</i> , 2013, 10, 428-435.	0.3	135
4	Low-Level Vagosympathetic Nerve Stimulation Inhibits Atrial Fibrillation Inducibility: Direct Evidence by Neural Recordings from Intrinsic Cardiac Ganglia. <i>Journal of Cardiovascular Electrophysiology</i> , 2011, 22, 455-463.	0.8	117
5	Low-Level Tragus Stimulation for the Treatment of Ischemia and Reperfusion Injury in Patients With ST-Segment Elevation Myocardial Infarction. <i>JACC: Cardiovascular Interventions</i> , 2017, 10, 1511-1520.	1.1	108
6	Chronic Intermittent Low-Level Transcutaneous Electrical Stimulation of Auricular Branch of Vagus Nerve Improves Left Ventricular Remodeling in Conscious Dogs With Healed Myocardial Infarction. <i>Circulation: Heart Failure</i> , 2014, 7, 1014-1021.	1.6	105
7	Interactions between atrial electrical remodeling and autonomic remodeling: How to break the vicious cycle. <i>Heart Rhythm</i> , 2012, 9, 804-809.	0.3	100
8	A potential relationship between gut microbes and atrial fibrillation: Trimethylamine N-oxide, a gut microbe-derived metabolite, facilitates the progression of atrial fibrillation. <i>International Journal of Cardiology</i> , 2018, 255, 92-98.	0.8	85
9	Optogenetic Modulation of Cardiac Sympathetic Nerve Activity to Prevent Ventricular Arrhythmias. <i>Journal of the American College of Cardiology</i> , 2017, 70, 2778-2790.	1.2	75
10	Spinal cord stimulation protects against ventricular arrhythmias by suppressing left stellate ganglion neural activity in an acute myocardial infarction canine model. <i>Heart Rhythm</i> , 2015, 12, 1628-1635.	0.3	68
11	Low-Level Vagus Nerve Stimulation Attenuates Myocardial Ischemic Reperfusion Injury by Antioxidative Stress and Antiapoptosis Reactions in Canines. <i>Journal of Cardiovascular Electrophysiology</i> , 2016, 27, 224-231.	0.8	52
12	Alteration of Autonomic Nervous System Is Associated With Severity and Outcomes in Patients With COVID-19. <i>Frontiers in Physiology</i> , 2021, 12, 630038.	1.3	50
13	Renal sympathetic denervation modulates ventricular electrophysiology and has a protective effect on ischaemia-induced ventricular arrhythmia. <i>Experimental Physiology</i> , 2014, 99, 1467-1477.	0.9	48
14	Chronic Intermittent Low-Level Stimulation of Tragus Reduces Cardiac Autonomic Remodeling and Ventricular Arrhythmia Inducibility in Post-Infarction Canine Model. <i>JACC: Clinical Electrophysiology</i> , 2016, 2, 330-339.	1.3	46
15	Autonomic Denervation With Magnetic Nanoparticles. <i>Circulation</i> , 2010, 122, 2653-2659.	1.6	45
16	Increased inflammation promotes ventricular arrhythmia through aggravating left stellate ganglion remodeling in a canine ischemia model. <i>International Journal of Cardiology</i> , 2017, 248, 286-293.	0.8	45
17	Effect of Th17 and Treg Axis Disorder on Outcomes of Pulmonary Arterial Hypertension in Connective Tissue Diseases. <i>Mediators of Inflammation</i> , 2014, 2014, 1-11.	1.4	42
18	Atrial Fibrillation in Acute Obstructive Sleep Apnea: Autonomic Nervous Mechanism and Modulation. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	40

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19	The right side or left side of noninvasive transcutaneous vagus nerve stimulation: Based on conventional wisdom or scientific evidence?. <i>International Journal of Cardiology</i> , 2015, 187, 44-45.	0.8	38
20	Spinal cord stimulation suppresses atrial fibrillation by inhibiting autonomic remodeling. <i>Heart Rhythm</i> , 2016, 13, 274-281.	0.3	36
21	Performance-enhanced flexible piezoelectric nanogenerator via layer-by-layer assembly for self-powered vagal neuromodulation. <i>Nano Energy</i> , 2021, 89, 106319.	8.2	33
22	Precise Modulation of Gold Nanorods for Protecting against Malignant Ventricular Arrhythmias via Near-Infrared Neuromodulation. <i>Advanced Functional Materials</i> , 2019, 29, 1902128.	7.8	31
23	Low level tragus nerve stimulation is a non-invasive approach for anti-atrial fibrillation via preventing the loss of connexins. <i>International Journal of Cardiology</i> , 2015, 179, 144-145.	0.8	27
24	Transcutaneous electrical stimulation of auricular branch of vagus nerve: A noninvasive therapeutic approach for post-ischemic heart failure. <i>International Journal of Cardiology</i> , 2014, 177, 676-677.	0.8	25
25	Noninvasive low-frequency electromagnetic stimulation of the left stellate ganglion reduces myocardial infarction-induced ventricular arrhythmia. <i>Scientific Reports</i> , 2016, 6, 30783.	1.6	25
26	Gut microbe-derived metabolite trimethylamine N-oxide activates the cardiac autonomic nervous system and facilitates ischemia-induced ventricular arrhythmia via two different pathways. <i>EBioMedicine</i> , 2019, 44, 656-664.	2.7	25
27	The use of low-level electromagnetic fields to suppress atrial fibrillation. <i>Heart Rhythm</i> , 2015, 12, 809-817.	0.3	23
28	Impacts of Renal Sympathetic Activation on Atrial Fibrillation: The Potential Role of the Autonomic Cross Talk Between Kidney and Heart. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	23
29	Leptin injection into the left stellate ganglion augments ischemia-related ventricular arrhythmias via sympathetic nerve activation. <i>Heart Rhythm</i> , 2018, 15, 597-606.	0.3	23
30	The Role of Cardiac Macrophage and Cytokines on Ventricular Arrhythmias. <i>Frontiers in Physiology</i> , 2020, 11, 1113.	1.3	23
31	Low-Level Carotid Baroreceptor Stimulation Suppresses Ventricular Arrhythmias during Acute Ischemia. <i>PLoS ONE</i> , 2014, 9, e109313.	1.1	22
32	Low-Level Baroreceptor Stimulation Suppresses Atrial Fibrillation by Inhibiting Ganglionated Plexus Activity. <i>Canadian Journal of Cardiology</i> , 2015, 31, 767-774.	0.8	21
33	Non-invasive transcutaneous vagal nerve stimulation improves myocardial performance in doxorubicin-induced cardiotoxicity. <i>Cardiovascular Research</i> , 2022, 118, 1821-1834.	1.8	21
34	Neuronal Na ^v 1.8 Channels as a Novel Therapeutic Target of Acute Atrial Fibrillation Prevention. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	20
35	Renal sympathetic stimulation and ablation affect ventricular arrhythmia by modulating autonomic activity in a cesium-induced long QT canine model. <i>Heart Rhythm</i> , 2017, 14, 912-919.	0.3	19
36	Self-powered pacemaker based on all-in-one flexible piezoelectric nanogenerator. <i>Nano Energy</i> , 2022, 99, 107420.	8.2	19

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37	Autonomic Neuromodulation for Preventing and Treating Ventricular Arrhythmias. <i>Frontiers in Physiology</i> , 2019, 10, 200.	1.3	18
38	Sympathetic Nervous System Mediates Cardiac Remodeling After Myocardial Infarction in a Circadian Disruption Model. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 668387.	1.1	18
39	The Use of Noninvasive Vagal Nerve Stimulation to Inhibit Sympathetically Induced Sinus Node Acceleration: A Potential Therapeutic Approach for Inappropriate Sinus Tachycardia. <i>Journal of Cardiovascular Electrophysiology</i> , 2016, 27, 217-223.	0.8	16
40	The role of low-level vagus nerve stimulation in cardiac therapy. <i>Expert Review of Medical Devices</i> , 2019, 16, 675-682.	1.4	16
41	Low-level vagus nerve stimulation: An important therapeutic option for atrial fibrillation treatment via modulating cardiac autonomic tone. <i>International Journal of Cardiology</i> , 2015, 199, 437-438.	0.8	15
42	Metabolism regulator adiponectin prevents cardiac remodeling and ventricular arrhythmias via sympathetic modulation in a myocardial infarction model. <i>Basic Research in Cardiology</i> , 2022, 117, .	2.5	15
43	Spinal Cord Stimulation Suppresses Focal Rapid Firing-induced Atrial Fibrillation by Inhibiting Atrial Ganglionated Plexus Activity. <i>Journal of Cardiovascular Pharmacology</i> , 2014, 64, 554-559.	0.8	14
44	Low-level carotid baroreflex stimulation suppresses atrial fibrillation by inhibiting left stellate ganglion activity in an acute canine model. <i>Heart Rhythm</i> , 2016, 13, 2203-2212.	0.3	14
45	Blocking the Nav1.8 channel in the left stellate ganglion suppresses ventricular arrhythmia induced by acute ischemia in a canine model. <i>Scientific Reports</i> , 2017, 7, 534.	1.6	14
46	Low level non-invasive vagus nerve stimulation: A novel feasible therapeutic approach for atrial fibrillation. <i>International Journal of Cardiology</i> , 2015, 182, 189-190.	0.8	13
47	Non-invasive Autonomic Neuromodulation Is Opening New Landscapes for Cardiovascular Diseases. <i>Frontiers in Physiology</i> , 2020, 11, 550578.	1.3	12
48	MG53 protein: A promising novel therapeutic target for myocardial ischemia reperfusion injury. <i>International Journal of Cardiology</i> , 2015, 199, 424-425.	0.8	10
49	Targeted Ganglionated Plexi Denervation Using Magnetic Nanoparticles Carrying Calcium Chloride Payload. <i>JACC: Clinical Electrophysiology</i> , 2018, 4, 1347-1358.	1.3	10
50	Noninvasive vagus nerve stimulation: A novel promising modulator for cardiac autonomic nerve system dysfunction. <i>International Journal of Cardiology</i> , 2015, 187, 338-339.	0.8	9
51	Noninvasive vagal nerve stimulation for heart failure: Was it practical or just a stunt?. <i>International Journal of Cardiology</i> , 2015, 187, 637-638.	0.8	9
52	The effects of interleukin 17A on left stellate ganglion remodeling are mediated by neuroimmune communication in normal structural hearts. <i>International Journal of Cardiology</i> , 2019, 279, 64-71.	0.8	9
53	Novel Insights Into the Interaction Between the Autonomic Nervous System and Inflammation on Coronary Physiology: A Quantitative Flow Ratio Study. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 700943.	1.1	9
54	Klotho protein: A potential therapeutic agent during myocardial ischemia and reperfusion. <i>International Journal of Cardiology</i> , 2015, 191, 227-228.	0.8	8

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55	Interleukin-17 inhibition: An important target for attenuating myocardial ischemia and reperfusion injury. <i>International Journal of Cardiology</i> , 2015, 198, 89-90.	0.8	8
56	Unilateral low-level transcutaneous electrical vagus nerve stimulation: A novel noninvasive treatment for myocardial infarction. <i>International Journal of Cardiology</i> , 2015, 190, 9-10.	0.8	8
57	Mast cells modulate the pathogenesis of leptin-induced left stellate ganglion activation in canines. <i>International Journal of Cardiology</i> , 2018, 269, 259-264.	0.8	8
58	Vagal Stimulation and Arrhythmias. <i>Journal of Atrial Fibrillation</i> , 2020, 13, 2398.	0.5	8
59	Regulation of the NRG1/ErbB4 Pathway in the Intrinsic Cardiac Nervous System Is a Potential Treatment for Atrial Fibrillation. <i>Frontiers in Physiology</i> , 2018, 9, 1082.	1.3	7
60	Relationship Between Inflammation and Coronary Physiology Evaluated by Quantitative Flow Ratio in Patients With Coronary Artery Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 714276.	1.1	6
61	Deceleration Capacity Improves Prognostic Accuracy of Relative Increase and Final Coronary Physiology in Patients With Non-ST-Elevation Acute Coronary Syndrome. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 848499.	1.1	5
62	Tumor necrosis factor- α inhibitor: A promising therapeutic approach for attenuating myocardial ischemia-reperfusion by antioxidant stress. <i>International Journal of Cardiology</i> , 2015, 190, 282-283.	0.8	4
63	A potential link between left stellate ganglion and renal sympathetic nerve: An important mechanism for cardiac arrhythmias?. <i>International Journal of Cardiology</i> , 2015, 179, 123-124.	0.8	4
64	Bone marrow sympathetic activation regulates post-myocardial infarction megakaryocyte expansion but not platelet production. <i>Biochemical and Biophysical Research Communications</i> , 2019, 513, 99-104.	1.0	4
65	Anti-arrhythmic effects of atrial ganglionated plexi stimulation is accompanied by preservation of connexin43 protein in ischemia-reperfusion canine model. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 22098-107.	1.3	4
66	Vagus nerve stimulation: A spear role or a shield role in atrial fibrillation?. <i>International Journal of Cardiology</i> , 2015, 198, 115-116.	0.8	3
67	Low-level carotid baroreceptor stimulation: A promising feasible modulator for ventricular and atrial arrhythmias. <i>International Journal of Cardiology</i> , 2015, 199, 430-431.	0.8	3
68	Cardiac autonomic tone modulators: Promising feasible options for heart failure with hyper-sympathetic activity. <i>International Journal of Cardiology</i> , 2015, 198, 185-186.	0.8	3
69	Vitamin D: A potential important therapeutic target for atrial fibrillation. <i>International Journal of Cardiology</i> , 2015, 198, 91-92.	0.8	3
70	DEFEAT-HF Trial: The potential causes for the negative result. <i>International Journal of Cardiology</i> , 2015, 191, 271-272.	0.8	2
71	Noninvasive vagus nerve stimulation: A novel feasible approach for cardioprotection during ischemia-reperfusion injury. <i>International Journal of Cardiology</i> , 2015, 191, 13-14.	0.8	2
72	Renal sympathetic denervation: A potential therapeutic approach for long QT syndrome. <i>International Journal of Cardiology</i> , 2015, 197, 206-207.	0.8	2

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73	Atrial Fibrillation: Mechanisms and Management. <i>Cardiology Research and Practice</i> , 2019, 2019, 1-2.	0.5	2
74	The concordance between the evolutionary trend and the clinical manifestation of the two SARS-CoV-2 variants. <i>National Science Review</i> , 2021, 8, nwab073.	4.6	2
75	Renal denervation for the treatment of atrial fibrillation in hypertensive patients or beyond?. <i>International Journal of Cardiology</i> , 2015, 189, 59-60.	0.8	1
76	Magnetic fields in noninvasive heart stimulation: A novel approach for anti-atrial fibrillation. <i>International Journal of Cardiology</i> , 2015, 190, 54-55.	0.8	1
77	Extracardiac autonomic modulations: Potential therapeutic options for myocardial ischemia-induced ventricular arrhythmia. <i>International Journal of Cardiology</i> , 2015, 188, 45-46.	0.8	1
78	Ablation of Neuroaxial in Patients with Ventricular Tachycardia. <i>Cardiac Electrophysiology Clinics</i> , 2019, 11, 625-634.	0.7	1
79	Novel Insight Into Long-Term Risk of Major Adverse Cardiovascular and Cerebrovascular Events Following Lower Extremity Arteriosclerosis Obliterans. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 853583.	1.1	1
80	Editorial: Autonomic Nervous System and Cardiovascular Diseases: From Brain to Heart. <i>Frontiers in Physiology</i> , 2022, 13, 884832.	1.3	1
81	Enrichment of the Postdischarge GRACE Score With Deceleration Capacity Enhances the Prediction Accuracy of the Long-Term Prognosis After Acute Coronary Syndrome. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 888753.	1.1	1
82	Reply: The emergence of clarifying the role of gut microbes in arrhythmia. <i>International Journal of Cardiology</i> , 2018, 271, 122.	0.8	0
83	Near Infrared Neuromodulation: Precise Modulation of Gold Nanorods for Protecting against Malignant Ventricular Arrhythmias via Near-Infrared Neuromodulation (<i>Adv. Funct. Mater.</i> 36/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970251.	7.8	0
84	Abstract 11460: Chronic Intermittent Low Level Transcutaneous Electrical Stimulation of the Auricular Branch of the Vagus Nerve Improves Left Ventricular Remodeling in Conscious Dogs With Healed Myocardial Infarction. <i>Circulation</i> , 2014, 130, .	1.6	0