Ken Shinmura

List of Publications by Year
in descending order

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94 papers	4,528 citations	126907 33 h-index	102487 66 g-index
98 all docs	98 docs citations	98 times ranked	6061 citing authors

#	Article	IF	Citations
1	Estimation of Muscle Mass Using Creatinine/Cystatin C Ratio in Japanese Community-Dwelling Older People. Journal of the American Medical Directors Association, 2022, 23, 902.e21-902.e31.	2.5	12
2	The Association of Dietary Intake, Oral Health, and Blood Pressure in Older Adults: A Cross-Sectional Observational Study. Nutrients, 2022, 14, 1279.	4.1	10
3	Relationship between Rate of Force Development of Tongue Pressure and Physical Performance. Journal of Clinical Medicine, 2022, 11, 2347.	2.4	2
4	Prevalence of anti-cyclic citrullinated peptide antibodies in patients with spondyloarthritis: A retrospective study. Modern Rheumatology, 2021, 31, 458-461.	1.8	4
5	Relationships between cystatin C- and creatinine-based eGFR in Japanese rural community- dwelling older adults with sarcopenia. Clinical and Experimental Nephrology, 2021, 25, 231-239.	1.6	22
6	Associations Between Arterial Stiffness Indices and Chronic Kidney Disease Categories in Essential Hypertensive Patients. American Journal of Hypertension, 2021, 34, 484-493.	2.0	4
7	Low back pain is closely associated with frailty but not with sarcopenia: Crossâ€sectional study of rural Japanese communityâ€dwelling older adults. Geriatrics and Gerontology International, 2021, 21, 54-59.	1.5	10
8	Targeting sirtuins to modulate energy metabolism in heart disease. , 2021, , 285-293.		1
9	Association between Physical Frailty Subdomains and Oral Frailty in Community-Dwelling Older Adults. International Journal of Environmental Research and Public Health, 2021, 18, 2931.	2.6	13
10	Impact of Isotemporal Substitution of Sedentary Time With Physical Activity on Sarcopenia in Older Japanese Adults. Journal of the American Medical Directors Association, 2021, 22, 876-878.	2.5	6
11	The effect of caloric restriction on the increase in senescence-associated T cells and metabolic disorders in aged mice. PLoS ONE, 2021, 16, e0252547.	2.5	9
12	The relationship between bone density and the oral function in older adults: a cross-sectional observational study. BMC Geriatrics, 2021, 21, 591.	2.7	6
13	Saturated fatty acid-induced cardiomyopathy with diastolic dysfunction can be ameliorated by changing the quality of fatty acids to monounsaturated fatty acid. Archives of Medical Science, 2021, , .	0.9	1
14	Basic survey for the prevention of intraoral residual medication in older adults: A pilot study. Gerodontology, 2020, 37, 93-96.	2.0	0
15	Does Oral Hypofunction Promote Social Withdrawal in the Older Adults? A Longitudinal Survey of Elderly Subjects in Rural Japan. International Journal of Environmental Research and Public Health, 2020, 17, 8904.	2.6	13
16	Physical frailty predicts the development of social frailty: a prospective cohort study. BMC Geriatrics, 2020, 20, 403.	2.7	42
17	Palmitate induces cardiomyocyte death via inositol requiring enzyme-1 (IRE1)-mediated signaling independent of X-box binding protein 1 (XBP1). Biochemical and Biophysical Research Communications, 2020, 526, 122-127.	2.1	18
18	Survey Regarding the Driving Status of Elderly Persons in a Rural Area Taking Drugs that Influence Driving. Iryo Yakugaku (Japanese Journal of Pharmaceutical Health Care and Sciences), 2020, 46, 205-210.	0.1	0

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19	Dietary restriction in the epigenomic regulation of cardiovascular diseases. , 2019, , 269-287.		0
20	Severe Apathy as a Risk Factor for Falls in Older Adults With Frailty Symptoms. Journal of the American Medical Directors Association, 2019, 20, 1473-1475.	2.5	2
21	Is a History of Falling Related to Oral Function? A Cross-Sectional Survey of Elderly Subjects in Rural Japan. International Journal of Environmental Research and Public Health, 2019, 16, 3843.	2.6	11
22	Relationship between oral environment and frailty among older adults dwelling in a rural Japanese community: a cross-sectional observational study. BMC Oral Health, 2019, 19, 23.	2.3	24
23	Association Between Circadian Hemodynamic Characteristics and Target Organ Damage in Patients With Essential Hypertension. American Journal of Hypertension, 2019, 32, 742-751.	2.0	6
24	Sirt1 counteracts decrease in membrane phospholipid unsaturation and diastolic dysfunction during saturated fatty acid overload. Journal of Molecular and Cellular Cardiology, 2019, 133, 1-11.	1.9	12
25	Physical activity combined with resistance training reduces symptoms of frailty in older adults: A randomized controlled trial. Archives of Gerontology and Geriatrics, 2018, 76, 41-47.	3.0	45
26	The Relationship between Dietary Habits and Frailty in Rural Japanese Community-Dwelling Older Adults: Cross-Sectional Observation Study Using a Brief Self-Administered Dietary History Questionnaire. Nutrients, 2018, 10, 1982.	4.1	28
27	Decrease in membrane phospholipids unsaturation correlates with myocardial diastolic dysfunction. PLoS ONE, 2018, 13, e0208396.	2.5	22
28	Isotemporal substitution of sedentary time with physical activity and its associations with frailty status. Clinical Interventions in Aging, 2018, Volume 13, 1831-1836.	2.9	33
29	Circadian hemodynamic characteristics in hypertensive patients with primary aldosteronism. Journal of Hypertension, 2018, 36, 2260-2268.	0.5	6
30	Abstract 207: Cytotoxic Effect of Palmitate is Caused by a Change in Membrane Fatty Acid Composition and ER Stress. Circulation Research, 2017, 121, .	4.5	0
31	Obesity accelerates T cell senescence in murine visceral adipose tissue. Journal of Clinical Investigation, 2016, 126, 4626-4639.	8.2	207
32	Cardiac Senescence, Heart Failure, and Frailty: A Triangle in Elderly People. Keio Journal of Medicine, 2016, 65, 25-32.	1.1	48
33	Cardiac Sirt1 mediates the cardioprotective effect of caloric restriction by suppressing local complement system activation after ischemia-reperfusion. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H1003-H1014.	3.2	28
34	Neural crest-derived resident cardiac cells contribute to the restoration of adrenergic function of transplanted heart in rodent. Cardiovascular Research, 2016, 109, 350-357.	3.8	16
35	Activation of pyruvate dehydrogenase by dichloroacetate has the potential to induce epigenetic remodeling in the heart. Journal of Molecular and Cellular Cardiology, 2015, 82, 116-124.	1.9	37
36	Adventitial CXCL1/G-CSF Expression in Response to Acute Aortic Dissection Triggers Local Neutrophil Recruitment and Activation Leading to Aortic Rupture. Circulation Research, 2015, 116, 612-623.	4.5	150

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37	Hyperhomocysteinemia abrogates fasting-induced cardioprotection against ischemia/reperfusion by limiting bioavailability of hydrogen sulfide anions. Journal of Molecular Medicine, 2015, 93, 879-889.	3.9	42
38	Indispensable role of endothelial nitric oxide synthase in caloric restriction-induced cardioprotection against ischemia-reperfusion injury. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H894-H903.	3.2	29
39	Nutritional Interventions for Cardiovascular Aging and Age-Related Cardiovascular Diseases. Healthy Ageing and Longevity, 2015, , 179-209.	0.2	1
40	Abstract 11105: Obesity Accelerates T Cell Senescence in Visceral Adipose Tissue. Circulation, 2015, 132, .	1.6	1
41	Lung Natural Killer Cells Play a Major Counter-Regulatory Role in Pulmonary Vascular Hyperpermeability After Myocardial Infarction. Circulation Research, 2014, 114, 637-649.	4.5	24
42	Endogenous Prostaglandin D ₂ and Its Metabolites Protect the Heart Against Ischemiaâ€“Reperfusion Injury by Activating Nrf2. Hypertension, 2014, 63, 80-87.	2.7	79
43	Adipokines as Novel Biomarkers in Aging and Heart Failure. , 2014, , 411-426.		0
44	Cardiac Senescence and Autophagy. , 2014, , 125-137.		1
45	Post-Translational Modification of Mitochondrial Proteins by Caloric Restriction: Possible Involvement in Caloric Restriction-Induced Cardioprotection. Trends in Cardiovascular Medicine, 2013, 23, 18-25.	4.9	14
46	Temporal dynamics of cardiac immune cell accumulation following acute myocardial infarction. Journal of Molecular and Cellular Cardiology, 2013, 62, 24-35.	1.9	447
47	Calorie restriction (CR) and CR mimetics for the prevention and treatment of age-related eye disorders. Experimental Gerontology, 2013, 48, 1096-1100.	2.8	29
48	Lightâ€“dark condition regulates sirtuin mRNA levels in the retina. Experimental Gerontology, 2013, 48, 1212-1217.	2.8	30
49	Effects of Caloric Restriction on Cardiac Oxidative Stress and Mitochondrial Bioenergetics: Potential Role of Cardiac Sirtuins. Oxidative Medicine and Cellular Longevity, 2013, 2013, 1-11.	4.0	52
50	Biphasic Time Course of the Changes in Aldosterone Biosynthesis Under High-Salt Conditions in Dahl Salt-Sensitive Rats. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 1194-1203.	2.4	23
51	Deleterious Effect of the ILâ€23/ILâ€17A Axis and Î³Î´T Cells on Left Ventricular Remodeling After Myocardial Infarction. Journal of the American Heart Association, 2012, 1, e004408.	3.7	127
52	The Antiaging Approach for the Treatment of Dry Eye. Cornea, 2012, 31, S3-S8.	1.7	34
53	Dietary Lactoferrin Alleviates Age-Related Lacrimal Gland Dysfunction in Mice. PLoS ONE, 2012, 7, e33148.	2.5	52
54	Impact of long-term caloric restriction on cardiac senescence: Caloric restriction ameliorates cardiac diastolic dysfunction associated with aging. Journal of Molecular and Cellular Cardiology, 2011, 50, 117-127.	1.9	150

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55	Cardiovascular protection afforded by caloric restriction: Essential role of nitric oxide synthase. Geriatrics and Gerontology International, 2011, 11, 143-156.	1.5	28
56	Caloric Restriction Primes Mitochondria for Ischemic Stress by Deacetylating Specific Mitochondrial Proteins of the Electron Transport Chain. Circulation Research, 2011, 109, 396-406.	4.5	83
57	Is adiponectin a bystander or a mediator in heart failure? The tangled thread of a good-natured adipokine in aging and cardiovascular disease. Heart Failure Reviews, 2010, 15, 457-466.	3.9	21
58	The Era of Antiaging Ophthalmology Comes of Age: Antiaging Approach for Dry Eye Treatment. Ophthalmic Research, 2010, 44, 146-154.	1.9	19
59	Calorie restriction: A new therapeutic intervention for age-related dry eye disease in rats. Biochemical and Biophysical Research Communications, 2010, 397, 724-728.	2.1	47
60	4-Hydroxy-2-nonenal protects against cardiac ischemiaâ€“reperfusion injury via the Nrf2-dependent pathway. Journal of Molecular and Cellular Cardiology, 2010, 49, 576-586.	1.9	128
61	Metabolic Remodeling Induced by Mitochondrial Aldehyde Stress Stimulates Tolerance to Oxidative Stress in the Heart. Circulation Research, 2009, 105, 1118-1127.	4.5	129
62	Gene Transfer of Inducible Nitric Oxide Synthase Affords Cardioprotection by Upregulating Heme Oxygenase-1 Via a Nuclear Factor-ÎºB-Dependent Pathway. Circulation, 2009, 120, 1222-1230.	1.6	50
63	Glucocorticoid protects rodent hearts from ischemia/reperfusion injury by activating lipocalin-type prostaglandin D synthaseâ€“derived PGD2 biosynthesis. Journal of Clinical Investigation, 2009, 119, 1477-1488.	8.2	99
64	Inhalation of hydrogen gas reduces infarct size in the rat model of myocardial ischemiaâ€“reperfusion injury. Biochemical and Biophysical Research Communications, 2008, 373, 30-35.	2.1	426
65	Impact of 6-mo caloric restriction on myocardial ischemic tolerance: possible involvement of nitric oxide-dependent increase in nuclear Sirt1. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H2348-H2355.	3.2	114
66	Loss of ischaemic preconditioning in ovariectomized rat hearts: possible involvement of impaired protein kinase C Â phosphorylation. Cardiovascular Research, 2008, 79, 387-394.	3.8	33
67	Cardioprotective Effects of Short-Term Caloric Restriction Are Mediated by Adiponectin via Activation of AMP-Activated Protein Kinase. Circulation, 2007, 116, 2809-2817.	1.6	169
68	Prostacyclin attenuates oxidative damage of myocytes by opening mitochondrial ATP-sensitive K+ channels via the EP3 receptor. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H2093-H2101.	3.2	51
69	Short-term caloric restriction improves ischemic tolerance independent of opening of ATP-sensitive K channels in both young and aged hearts. Journal of Molecular and Cellular Cardiology, 2005, 39, 285-296.	1.9	94
70	Possible mechanisms of cyclooxygenase (COX)-2 hazard: Is COX-2 in the cardiovascular system a friend or a foe?. Ensho Saisei, 2005, 25, 517-524.	0.2	0
71	Gender and aging do not impair opioid-induced late preconditioning in rats. Basic Research in Cardiology, 2004, 99, 46-55.	5.9	30
72	Cyclooxygenase-2 in myocardial ischemia. Journal of the American College of Cardiology, 2003, 42, 1714-1715.	2.8	0

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73	Effect of aspirin on late preconditioning against myocardial stunning in conscious rabbits. Journal of the American College of Cardiology, 2003, 41, 1183-1194.	2.8	36
74	Role of Cyclic Guanosine Monophosphate in Late Preconditioning in Conscious Rabbits. Circulation, 2002, 105, 3046-3052.	1.6	39
75	Discovery of a new function of cyclooxygenase (COX)-2: COX-2 is a cardioprotective protein that alleviates ischemia/reperfusion injury and mediates the late phase of preconditioning. Cardiovascular Research, 2002, 55, 506-519.	3.8	220
76	Aldose Reductase Is an Obligatory Mediator of the Late Phase of Ischemic Preconditioning. Circulation Research, 2002, 91, 240-246.	4.5	120
77	Inducible Nitric Oxide Synthase Modulates Cyclooxygenase-2 Activity in the Heart of Conscious Rabbits During the Late Phase of Ischemic Preconditioning. Circulation Research, 2002, 90, 602-608.	4.5	150
78	COX-2-derived prostacyclin mediates opioid-induced late phase of preconditioning in isolated rat hearts. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H2534-H2543.	3.2	45
79	Î´-Opioid receptor-induced late preconditioning is mediated by cyclooxygenase-2 in conscious rabbits. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H1943-H1957.	3.2	45
80	Cyclooxygenase-2 does not mediate late preconditioning induced by activation of adenosine A₁ or A₃receptors. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 281, H959-H968.	3.2	29
81	Evidence for an essential role of cyclooxygenase-2 as a mediator of the late phase of ischemic preconditioning in mice. Basic Research in Cardiology, 2000, 95, 479-484.	5.9	94
82	Catheter-Delivered In Vivo Gene Transfer into Rat Myocardium Using the Fusigenic Liposomal Mediated Method.. International Heart Journal, 2000, 41, 633-647.	0.6	5
83	Loss of protection by hypoxic preconditioning in aging Fischer 344 rat hearts related to myocardial glycogen content and Na+ imbalance. Cardiovascular Research, 1999, 41, 594-602.	3.8	28
84	Low Concentrations of Adenosine Receptor Blocker Decrease Protection by Hypoxic Preconditioning in Ischemic Rat Hearts. Journal of Molecular and Cellular Cardiology, 1998, 30, 617-626.	1.9	5
85	Myocardial Uptake of Iodine-125-labeled 15-(P-Iodophenyl)-3-(R,S)-Methyl Pentadecanoic Acid is Decreased in Chronic Diabetic Rats With Changes in Subcellular Distribution. Japanese Circulation Journal, 1998, 62, 364-370.	1.0	2
86	Effect of E4031, a Class III Antiarrhythmic Drug, on Ischemia- and Reperfusion-induced Arrhythmias in Isolated Rat Hearts.. International Heart Journal, 1998, 39, 183-197.	0.6	13
87	Effects of Î±₁-Adrenoreceptor Subtype Blockade on Ischemia-Reperfusion Injury. Japanese Circulation Journal, 1997, 61, 927-935.	1.0	4
88	Decrease in Ischemic Tolerance with Aging in Isolated Perfused Fischer 344 Rat Hearts: Relation to Increases in Intracellular Na+After Ischemia. Journal of Molecular and Cellular Cardiology, 1997, 29, 3081-3089.	1.9	61
89	Changes in Ischemic Tolerance and Effects of Ischemic Preconditioning in Middle-aged Rat Hearts. Circulation, 1997, 95, 2559-2566.	1.6	103
90	Effect of Stepwise Normalization of Perfusate pH on Post-Ischemic Functional Recovery and Ca²⁺ Overload in Isolated Rat Hearts. Japanese Circulation Journal, 1996, 60, 683-690.	1.0	3

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91	Effect of Methylisobutyl Amiloride on [Na+]i, Reperfusion Arrhythmias, and Function in Ischemic Rat Hearts. Journal of Cardiovascular Pharmacology, 1996, 27, 794-801.	1.9	10
92	Attenuation of myocardial stunning by an increase in the H+ buffering capacity of the perfusate and that by hypoxic preperfusion are affected differently by the free (Ca2+) of the perfusate.. Japanese Circulation Journal, 1993, 57, 1173-1182.	1.0	1
93	Importance of stable HDL-cholesterol Levels During Medical Treatment in Patients With Hypercholesterolemia: Two-Year Prospective Study After Two-Year Pretreatment. The Journal of Japan Atherosclerosis Society, 1993, 21, 421-429.	0.0	0
94	Relationships between cystatin C and creatinineâ€based eGFR with low tongue pressure in Japanese rural communityâ€dwelling older adults. Clinical and Experimental Dental Research, 0, , .	1.9	2