

Jane Eb Reusch

List of Publications by Year in descending order

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Version: 2024-02-01

119
papers

12,076
citations

43973

48
h-index

26548

107
g-index

123
all docs

123
docs citations

123
times ranked

22400
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Akt/Protein Kinase B Up-regulates Bcl-2 Expression through cAMP-response Element-binding Protein. <i>Journal of Biological Chemistry</i> , 2000, 275, 10761-10766.	1.6	710
3	CREB Activation Induces Adipogenesis in 3T3-L1 Cells. <i>Molecular and Cellular Biology</i> , 2000, 20, 1008-1020.	1.1	286
4	Insulin Resistance in Adolescents with Type 1 Diabetes and Its Relationship to Cardiovascular Function. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010, 95, 513-521.	1.8	258
5	Diabetes and Advanced Glycoxidation End Products. <i>Diabetes Care</i> , 2006, 29, 1420-1432.	4.3	250
6	Sex Differences in the Cardiovascular Consequences of Diabetes Mellitus. <i>Circulation</i> , 2015, 132, 2424-2447.	1.6	239
7	Potential of Albiglutide, a Long-Acting GLP-1 Receptor Agonist, in Type 2 Diabetes. <i>Diabetes Care</i> , 2009, 32, 1880-1886.	4.3	209
8	Sex differences in the burden of type 2 diabetes and cardiovascular risk across the life course. <i>Diabetologia</i> , 2019, 62, 1761-1772.	2.9	200
9	β ₂ Cell dysfunction during progression of metabolic syndrome to type 2 diabetes. <i>Journal of Clinical Investigation</i> , 2019, 129, 4001-4008.	3.9	193
10	Insulin-like Growth Factor-I Induces bcl-2 Promoter through the Transcription Factor cAMP-Response Element-binding Protein. <i>Journal of Biological Chemistry</i> , 1999, 274, 27529-27535.	1.6	179
11	Skeletal Muscle Deoxygenation After the Onset of Moderate Exercise Suggests Slowed Microvascular Blood Flow Kinetics in Type 2 Diabetes. <i>Diabetes Care</i> , 2007, 30, 2880-2885.	4.3	172
12	Insulin Resistance in Adolescents with Type 2 Diabetes Is Associated with Impaired Exercise Capacity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009, 94, 3687-3695.	1.8	172
13	Insulin-induced Adipocyte Differentiation. <i>Journal of Biological Chemistry</i> , 2001, 276, 28430-28435.	1.6	165
14	Oxidative Stress in Type 1 Diabetes. <i>Annals of the New York Academy of Sciences</i> , 2003, 1005, 43-54.	1.8	158
15	Current concepts in insulin resistance, type 2 diabetes mellitus, and the metabolic syndrome. <i>American Journal of Cardiology</i> , 2002, 90, 19-26.	0.7	155
16	cAMP Response Element-binding Protein Content Is a Molecular Determinant of Smooth Muscle Cell Proliferation and Migration. <i>Journal of Biological Chemistry</i> , 2001, 276, 46132-46141.	1.6	132
17	Effects of exercise training on oxygen uptake kinetic responses in women with type 2 diabetes. <i>Diabetes Care</i> , 1999, 22, 1640-1646.	4.3	125
18	Efficacy and safety of the dipeptidyl peptidase-4 inhibitor alogliptin added to pioglitazone in patients with type 2 diabetes: a randomized, double-blind, placebo-controlled study. <i>Current Medical Research and Opinion</i> , 2009, 25, 2361-2371.	0.9	124

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19	Management of Type 2 Diabetes in 2017. JAMA - Journal of the American Medical Association, 2017, 317, 1015.	3.8	118
20	Odorant Stimulation Enhances Survival of Olfactory Sensory Neurons via MAPK and CREB. Neuron, 2004, 41, 955-967.	3.8	115
21	Type 2 diabetes mellitus and exercise impairment. Reviews in Endocrine and Metabolic Disorders, 2013, 14, 77-86.	2.6	112
22	Insulin-like Growth Factor I-mediated Activation of the Transcription Factor cAMP Response Element-binding Protein in PC12 Cells. Journal of Biological Chemistry, 1999, 274, 2829-2837.	1.6	111
23	Oxidative stress-mediated down-regulation of bcl-2 promoter in hippocampal neurons. Journal of Neurochemistry, 2003, 84, 982-996.	2.1	108
24	Diabetes, microvascular complications, and cardiovascular complications: what is it about glucose?. Journal of Clinical Investigation, 2003, 112, 986-988.	3.9	104
25	WISP1, a Pro-mitogenic, Pro-survival Factor, Mediates Tumor Necrosis Factor- α (TNF- α)-stimulated Cardiac Fibroblast Proliferation but Inhibits TNF- α -induced Cardiomyocyte Death. Journal of Biological Chemistry, 2009, 284, 14414-14427.	1.6	102
26	Metformin Improves Insulin Sensitivity and Vascular Health in Youth With Type 1 Diabetes Mellitus. Circulation, 2018, 138, 2895-2907.	1.6	94
27	Efficacy and safety of once-a-weekly glucagon-like peptide 1 receptor agonist albiglutide (<sc>HARMONY</sc> 1 trial): 52-week primary endpoint results from a randomized, double-blind, placebo-controlled trial in patients with type 2 diabetes mellitus not controlled on pioglitazone, with or without metformin. Diabetes, Obesity and Metabolism. 2014, 16, 1257-1264.	2.2	85
28	Insulin Stimulates cAMP-response Element Binding Protein Activity in HepG2 and 3T3-L1 Cell Lines. Journal of Biological Chemistry, 1998, 273, 917-923.	1.6	81
29	Oral L-arginine and vitamins E and C improve endothelial function in women with type 2 diabetes. Vascular Medicine, 2003, 8, 169-175.	0.8	80
30	Rosiglitazone Improves Exercise Capacity in Individuals With Type 2 Diabetes. Diabetes Care, 2005, 28, 2877-2883.	4.3	79
31	Cardiac Dysfunction during Exercise in Uncomplicated Type 2 Diabetes. Medicine and Science in Sports and Exercise, 2009, 41, 977-984.	0.2	76
32	CREB Downregulation in Vascular Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 733-741.	1.1	76
33	Diabetes-related Changes in cAMP Response Element-binding Protein Content Enhance Smooth Muscle Cell Proliferation and Migration. Journal of Biological Chemistry, 2001, 276, 46142-46150.	1.6	75
34	Delayed Skeletal Muscle Mitochondrial ADP Recovery in Youth With Type 1 Diabetes Relates to Muscle Insulin Resistance. Diabetes, 2015, 64, 383-392.	0.3	72
35	Cytokine-mediated Down-regulation of the Transcription Factor cAMP-response Element-binding Protein in Pancreatic β -Cells. Journal of Biological Chemistry, 2003, 278, 23055-23065.	1.6	70
36	Preoperative Diagnosis of Lymphocytic Hypophysitis (Adenohypophysitis) Unresponsive to Short Course Dexamethasone. Neurosurgery, 1992, 30, 268-271.	0.6	69

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37	Inhibition of cAMP-response Element-binding Protein Activity Decreases Protein Kinase B/Akt Expression in 3T3-L1 Adipocytes and Induces Apoptosis. <i>Journal of Biological Chemistry</i> , 2002, 277, 1426-1432.	1.6	69
38	C-Reactive Protein Decreases Interleukin-10 Secretion in Activated Human Monocyte-Derived Macrophages via Inhibition of Cyclic AMP Production. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 2469-2475.	1.1	66
39	Diabetes and Cardiovascular Disease: Changing the Focus from Glycemic Control to Improving Long-Term Survival. <i>American Journal of Cardiology</i> , 2012, 110, 58B-68B.	0.7	64
40	Are Low-Income Elderly Patients at Risk for Poor Diabetes Care?. <i>Diabetes Care</i> , 2004, 27, 1060-1065.	4.3	62
41	Impact of Regulatory Guidance on Evaluating Cardiovascular Risk of New Glucose-Lowering Therapies to Treat Type 2 Diabetes Mellitus. <i>Circulation</i> , 2020, 141, 843-862.	1.6	62
42	Exenatide improves diastolic function and attenuates arterial stiffness but does not alter exercise capacity in individuals with type 2 diabetes. <i>Journal of Diabetes and Its Complications</i> , 2017, 31, 449-455.	1.2	56
43	Cardiovascular Disease in Diabetes: Where Does Glucose Fit In?. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011, 96, 2367-2376.	1.8	54
44	SP600125, an inhibitor of c-jun N-terminal kinase, activates CREB by a p38 MAPK-mediated pathway. <i>Biochemical and Biophysical Research Communications</i> , 2003, 307, 855-860.	1.0	53
45	CREB mediates ERK-induced survival of mouse renal tubular cells after oxidant stress. <i>Kidney International</i> , 2005, 68, 1573-1582.	2.6	53
46	Women with type 2 diabetes perceive harder effort during exercise than nondiabetic women. <i>Applied Physiology, Nutrition and Metabolism</i> , 2009, 34, 851-857.	0.9	52
47	Platelet-Derived Growth Factor BB Induces Nuclear Export and Proteasomal Degradation of CREB via Phosphatidylinositol 3-Kinase/Akt Signaling in Pulmonary Artery Smooth Muscle Cells. <i>Molecular and Cellular Biology</i> , 2006, 26, 4934-4948.	1.1	51
48	Saxagliptin Restores Vascular Mitochondrial Exercise Response in the Goto-Kakizaki Rat. <i>Journal of Cardiovascular Pharmacology</i> , 2015, 65, 137-147.	0.8	46
49	Atherosclerosis in diabetes and insulin resistance. <i>Diabetes, Obesity and Metabolism</i> , 2007, 9, 455-463.	2.2	45
50	Sex Differences in the Effects of Type 2 Diabetes on Exercise Performance. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 58-65.	0.2	45
51	Inhibition of Phosphatidylinositol 3-kinase/Akt Signaling Attenuates Hypoxia-induced Pulmonary Artery Remodeling and Suppresses CREB Depletion in Arterial Smooth Muscle Cells. <i>Journal of Cardiovascular Pharmacology</i> , 2013, 62, 539-548.	0.8	43
52	The endothelial glycocalyx promotes homogenous blood flow distribution within the microvasculature. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H168-H176.	1.5	43
53	Cardiopulmonary Dysfunction and Adiponectin in Adolescents With Type 2 Diabetes. <i>Journal of the American Heart Association</i> , 2016, 5, e002804.	1.6	41
54	Insulin resistance in type 2 diabetes youth relates to serum free fatty acids and muscle mitochondrial dysfunction. <i>Journal of Diabetes and Its Complications</i> , 2017, 31, 141-148.	1.2	40

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55	Differential Requirement for p21 Activation in the Metabolic Signaling by Insulin. <i>Journal of Biological Chemistry</i> , 1995, 270, 2036-2040.	1.6	34
56	Functional Interactions of Phosphatidylinositol 3-Kinase with GTPase-Activating Protein in 3T3-L1 Adipocytes. <i>Molecular and Cellular Biology</i> , 1996, 16, 1450-1457.	1.1	33
57	The Evolution of Hemoglobin A1c Targets for Youth With Type 1 Diabetes: Rationale and Supporting Evidence. <i>Diabetes Care</i> , 2021, 44, 301-312.	4.3	32
58	Sex Differences in Cardiovascular Consequences of Hypertension, Obesity, and Diabetes. <i>Journal of the American College of Cardiology</i> , 2022, 79, 1492-1505.	1.2	32
59	Youth with type 1 diabetes have worse strain and less pronounced sex differences in early echocardiographic markers of diabetic cardiomyopathy compared to their normoglycemic peers: A RESistance to InSulin in Type 1 ANd Type 2 diabetes (RESISTANT) Study. <i>Journal of Diabetes and Its Complications</i> , 2016, 30, 1103-1110.	1.2	31
60	Dominant negative mutant forms of the cAMP response element binding protein induce apoptosis and decrease the anti-apoptotic action of growth factors in human islets. <i>Diabetologia</i> , 2007, 50, 1649-1659.	2.9	30
61	Reduction of Reactive Oxygen Species Prevents Hypoxia-induced CREB Depletion in Pulmonary Artery Smooth Muscle Cells. <i>Journal of Cardiovascular Pharmacology</i> , 2011, 58, 181-191.	0.8	30
62	Mechanisms of Aerobic Exercise Impairment in Diabetes: A Narrative Review. <i>Frontiers in Endocrinology</i> , 2018, 9, 181.	1.5	28
63	Obesity-Related Pulmonary Arterial Hypertension in Rats Correlates with Increased Circulating Inflammatory Cytokines and Lipids and with Oxidant Damage in the Arterial Wall but not with Hypoxia. <i>Pulmonary Circulation</i> , 2014, 4, 638-653.	0.8	26
64	Three-year data from 5 HARMONY phase 3 clinical trials of albiglutide in type 2 diabetes mellitus: Long-term efficacy with or without rescue therapy. <i>Diabetes Research and Clinical Practice</i> , 2017, 131, 49-60.	1.1	26
65	Identifying the Critical Gaps in Research on Sex Differences in Metabolism Across the Life Span. <i>Endocrinology</i> , 2018, 159, 9-19.	1.4	25
66	Cyclic AMP Response Element-Binding Protein in the Vessel Wall. <i>Circulation</i> , 2003, 108, 1164-1166.	1.6	23
67	Impaired response to exercise intervention in the vasculature in metabolic syndrome. <i>Diabetes and Vascular Disease Research</i> , 2013, 10, 222-238.	0.9	23
68	Renal Function Is Associated With Peak Exercise Capacity in Adolescents With Type 1 Diabetes. <i>Diabetes Care</i> , 2015, 38, 126-131.	4.3	22
69	Dissociation of local and global skeletal muscle oxygen transport metrics in type 2 diabetes. <i>Journal of Diabetes and Its Complications</i> , 2017, 31, 1311-1317.	1.2	22
70	Supplemental Oxygen Improves In Vivo Mitochondrial Oxidative Phosphorylation Flux in Sedentary Obese Adults With Type 2 Diabetes. <i>Diabetes</i> , 2018, 67, 1369-1379.	0.3	22
71	Novel actions of thiazolidinediones on vascular function and exercise capacity. <i>American Journal of Medicine</i> , 2003, 115, 69-74.	0.6	21
72	Impaired Tissue Oxygenation in Metabolic Syndrome Requires Increased Microvascular Perfusion Heterogeneity. <i>Journal of Cardiovascular Translational Research</i> , 2017, 10, 69-81.	1.1	20

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73	<scp>GLP</scp> and insulin regulation of skeletal and cardiac muscle microvascular perfusion in type 2 diabetes. <i>Journal of Diabetes</i> , 2020, 12, 488-498.	0.8	17
74	Role for Oxidative Stress in the Regeneration of Islet Beta Cells?. <i>Journal of Investigative Medicine</i> , 2004, 52, 45-49.	0.7	16
75	A conceptual framework for predicting and addressing the consequences of disease-related microvascular dysfunction. <i>Microcirculation</i> , 2017, 24, e12359.	1.0	16
76	Metformin prevents ischaemic ventricular fibrillation in metabolically normal pigs. <i>Diabetologia</i> , 2017, 60, 1550-1558.	2.9	16
77	Discordance between intramuscular triglyceride and insulin sensitivity in skeletal muscle of Zucker diabetic rats after treatment with fenofibrate and rosiglitazone. <i>Diabetes, Obesity and Metabolism</i> , 2007, 9, 714-723.	2.2	15
78	Cardiovascular Function/Dysfunction in Adolescents with Type 1 Diabetes. <i>Current Diabetes Reports</i> , 2011, 11, 185-192.	1.7	15
79	Method for Controlled Mitochondrial Perturbation during Phosphorus MRS in Children. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 2030-2036.	0.2	15
80	Fully automated software for quantitative measurements of mitochondrial morphology. <i>Mitochondrion</i> , 2016, 26, 58-71.	1.6	13
81	Mechanistic Causes of Reduced Cardiorespiratory Fitness in Type 2 Diabetes. <i>Journal of the Endocrine Society</i> , 2020, 4, bvaa063.	0.1	13
82	Cardiovascular disease in young People with Type 1 Diabetes: Search for Cardiovascular Biomarkers. <i>Journal of Diabetes and Its Complications</i> , 2020, 34, 107651.	1.2	13
83	Thiazolidinediones Prevent PDGF-BB-induced CREB Depletion in Pulmonary Artery Smooth Muscle Cells by Preventing Upregulation of Casein Kinase 2 Catalytic Subunit. <i>Journal of Cardiovascular Pharmacology</i> , 2010, 55, 469-480.	0.8	13
84	Loss of CREB Regulation of Vascular Smooth Muscle Cell Quiescence in Diabetes. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2004, 5, 209-219.	2.6	12
85	Cardiovascular risk in women with type 2 diabetes. <i>Medical Clinics of North America</i> , 2003, 87, 955-969.	1.1	11
86	Targeting mitochondria to restore failed adaptation to exercise in diabetes. <i>Biochemical Society Transactions</i> , 2014, 42, 231-238.	1.6	11
87	Frequency of Reduced Left Ventricular Contractile Efficiency and Discoordinated Myocardial Relaxation in Patients Aged 16 to 21 Years With Type 1 Diabetes Mellitus (from the Emerald Study). <i>American Journal of Cardiology</i> , 2020, 128, 45-53.	0.7	11
88	Impact of Obesity on Measures of Cardiovascular and Kidney Health in Youth With Type 1 Diabetes as Compared With Youth With Type 2 Diabetes. <i>Diabetes Care</i> , 2021, 44, 795-803.	4.3	11
89	Impaired Fibrinolysis in Premenopausal Women and Age-matched Men with Type 2 Diabetes Mellitus: A Pilot Study. <i>Journal of Investigative Medicine</i> , 2002, 50, 110-115.	0.7	10
90	Nonesterified fatty acid exposure activates protective and mitogenic pathways in vascular smooth muscle cells by alternate signaling pathways. <i>Metabolism: Clinical and Experimental</i> , 2009, 58, 319-327.	1.5	10

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91	Achieving ADA/ISPAD clinical guideline goals is associated with higher insulin sensitivity and cardiopulmonary fitness in adolescents with type 1 diabetes: Results from RESistance to InSulin in Type 1 AND Type 2 diabetes (RESISTANT) and Effects of METform. <i>Pediatric Diabetes</i> , 2018, 19, 436-442.	1.2	10
92	Glucagon-like peptide-1 receptor antagonism impairs basal exercise capacity and vascular adaptation to aerobic exercise training in rats. <i>Physiological Reports</i> , 2018, 6, e13754.	0.7	9
93	Focus on Insulin Resistance in Type 2 Diabetes: Therapeutic Implications. <i>The Diabetes Educator</i> , 1998, 24, 188-193.	2.6	8
94	Macrovascular Risk Factors in Patients With Diabetes: Physician Treatment Strategies and Extent of Control. <i>Endocrine Practice</i> , 2005, 11, 172-179.	1.1	8
95	Leptin is associated with cardiopulmonary fitness independent of body-mass index and insulin sensitivity in adolescents with type 1 diabetes: a brief report from the EMERALD study. <i>Journal of Diabetes and Its Complications</i> , 2017, 31, 850-853.	1.2	8
96	Automated quantification of microvascular perfusion. <i>Microcirculation</i> , 2018, 25, e12482.	1.0	8
97	Sitagliptin improves diastolic cardiac function but not cardiorespiratory fitness in adults with type 2 diabetes. <i>Journal of Diabetes and Its Complications</i> , 2019, 33, 561-566.	1.2	8
98	CREB depletion in smooth muscle cells promotes medial thickening, adventitial fibrosis and elicits pulmonary hypertension. <i>Pulmonary Circulation</i> , 2020, 10, 1-15.	0.8	8
99	Varicella zoster virus infection of human fetal lung cells alters mitochondrial morphology. <i>Journal of NeuroVirology</i> , 2016, 22, 674-682.	1.0	7
100	Association of Glycemic Control Trajectory with Short-Term Mortality in Diabetes Patients with High Cardiovascular Risk: a Joint Latent Class Modeling Study. <i>Journal of General Internal Medicine</i> , 2020, 35, 2266-2273.	1.3	7
101	Arterial insulin resistance in Yucatan micropigs with diet-induced obesity and metabolic syndrome. <i>Journal of Diabetes and Its Complications</i> , 2013, 27, 307-315.	1.2	6
102	Acute effects of sedentary breaks on vascular health in adults at risk for type 2 diabetes: A systematic review. <i>Vascular Medicine</i> , 2021, 26, 448-458.	0.8	5
103	Career Advancement for Women in Diabetes-Related Research: Developing and Retaining Female Talent. <i>Diabetes Care</i> , 2021, 44, 1744-1747.	4.3	5
104	Thiazolidinedione Therapy: The Benefits of Aggressive and Early Use in Type 2 Diabetes. <i>Diabetes Technology and Therapeutics</i> , 2003, 5, 685-693.	2.4	4
105	The Diabetes Story: A Call to Action. <i>Diabetes Care</i> , 2019, 42, 713-717.	4.3	4
106	Serum copeptin and NT-proBNP is associated with central aortic stiffness and flow hemodynamics in adolescents with type 1 diabetes: A pilot study. <i>Journal of Diabetes and Its Complications</i> , 2021, 35, 107883.	1.2	4
107	Career Advancement for Women in Diabetes-Related Research: Developing and Retaining Female Talent. <i>Diabetes</i> , 2021, 70, 1634-1637.	0.3	4
108	Blunted Muscle Mitochondrial Responses to Exercise Training in Older Adults With HIV. <i>Journal of Infectious Diseases</i> , 2021, 224, 679-683.	1.9	4

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109	Evaluating the Cardiovascular Effects of the Thiazolidinediones and Their Place in the Management of Type 2 Diabetes in Relation to the Metabolic Syndrome. <i>Metabolic Syndrome and Related Disorders</i> , 2005, 3, 147-173.	0.5	3
110	Regional differences in the management of cardiovascular risk factors among adults with diabetes: An evaluation of the Diabetes Collaborative Registry. <i>Journal of Diabetes and Its Complications</i> , 2020, 34, 107591.	1.2	3
111	Sex Differences Across the Lifespan: A Focus on Cardiometabolism. <i>Journal of Women's Health</i> , 2020, 29, 899-909.	1.5	2
112	Trends in Timing of and Glycemia at Initiation of Second-line Type 2 Diabetes Treatment in U.S. Adults. <i>Diabetes Care</i> , 2022, 45, 1335-1345.	4.3	2
113	Chapter 11 Disruption of CREB regulated of gene expression in diabetes. <i>Advances in Molecular and Cellular Endocrinology</i> , 2006, , 211-318.	0.1	1
114	Beyond Phosphorylation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 1955-1956.	1.1	1
115	Exercise Performance and Effects of Exercise Training in Diabetes. , 2009, , 85-107.		1
116	Raw and processed microscope images of fixed cells at baseline and following various experimental perturbations. <i>Data in Brief</i> , 2016, 6, 998-1006.	0.5	0
117	Exercise and Type 2 Diabetes in Youth. , 2009, , 301-310.		0
118	Effect of Exercise Training Intensity on Glycemic Control in Older Adults with Prediabetes. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 468-468.	0.2	0
119	Effects Of Moderate Versus Vigorous Intensity Exercise Training In Older Adults With Prediabetes. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 839-840.	0.2	0