

Renata B Kostogrys

List of Publications by Year in descending order

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papers

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567281

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#	ARTICLE	IF	CITATIONS
1	Degradation of Glycocalyx and Multiple Manifestations of Endothelial Dysfunction Coincide in the Early Phase of Endothelial Dysfunction Before Atherosclerotic Plaque Development in Apolipoprotein E/Low-Density Lipoprotein Receptor-Deficient Mice. <i>Journal of the American Heart Association</i> , 2019, 8, e011171.	3.7	70
2	Raman spectroscopy analysis of lipid droplets content, distribution and saturation level in Non-Alcoholic Fatty Liver Disease in mice. <i>Journal of Biophotonics</i> , 2015, 8, 597-609.	2.3	51
3	1-Methylnicotinamide (MNA) prevents endothelial dysfunction in hypertriglyceridemic and diabetic rats. <i>Pharmacological Reports</i> , 2008, 60, 127-38.	3.3	51
4	Functional alterations in endothelial NO, PGI ₂ and EDHF pathways in aorta in ApoE/LDLR ^{-/-} mice. <i>Prostaglandins and Other Lipid Mediators</i> , 2012, 98, 107-115.	1.9	49
5	Functional effects of eggs, naturally enriched with conjugated linoleic acid, on the blood lipid profile, development of atherosclerosis and composition of atherosclerotic plaque in apolipoprotein E and low-density lipoprotein receptor double-knockout mice (apoE/LDLR ^{+/+} /LDLR ^{-/-}). <i>British Journal of Nutrition</i> , 2008, 99, 49-58.	2.3	45
6	Low carbohydrate, high protein diet promotes atherosclerosis in apolipoprotein E/low-density lipoprotein receptor double knockout mice (apoE/LDLR ^{-/-}). <i>Atherosclerosis</i> , 2012, 223, 327-331.	0.8	34
7	Antiatherosclerotic Effects of 1-Methylnicotinamide in Apolipoprotein E/Low-Density Lipoprotein Receptor-Deficient Mice: A Comparison with Nicotinic Acid. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016, 356, 514-524.	2.5	34
8	An Analysis of Isolated and Intact RBC Membranes—A Comparison of a Semiquantitative Approach by Means of FTIR, Nano-FTIR, and Raman Spectroscopies. <i>Analytical Chemistry</i> , 2019, 91, 9867-9874.	6.5	34
9	Effect of dietary pomegranate seed oil on laying hen performance and physicochemical properties of eggs. <i>Food Chemistry</i> , 2017, 221, 1096-1103.	8.2	30
10	HHIPL1, a Gene at the 14q32 Coronary Artery Disease Locus, Positively Regulates Hedgehog Signaling and Promotes Atherosclerosis. <i>Circulation</i> , 2019, 140, 500-513.	1.6	24
11	Quantification of plaque area and characterization of plaque biochemical composition with atherosclerosis progression in ApoE/LDLR ^{-/-} mice by FT-IR imaging. <i>Analyst, The</i> , 2013, 138, 6645.	3.5	23
12	Effects of Low Carbohydrate High Protein (LCHP) diet on atherosclerotic plaque phenotype in ApoE/LDLR ^{-/-} mice: FT-IR and Raman imaging. <i>Scientific Reports</i> , 2015, 5, 14002.	3.3	22
13	Identification of a biochemical marker for endothelial dysfunction using Raman spectroscopy. <i>Analyst, The</i> , 2015, 140, 2185-2189.	3.5	22
14	Hypercholesterolemia Does Not Alter Endothelial Function in Spontaneously Hypertensive Rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 317, 1019-1026.	2.5	21
15	Individual CLA Isomers, c9t11 and t10c12, Prevent Excess Liver Glycogen Storage and Inhibit Lipogenic Genes Expression Induced by High-Fructose Diet in Rats. <i>BioMed Research International</i> , 2015, 2015, 1-10.	1.9	17
16	Vitamin K2-MK-7 improves nitric oxide-dependent endothelial function in ApoE/LDLR ^{-/-} mice. <i>Vascular Pharmacology</i> , 2019, 122-123, 106581.	2.1	17
17	Characterisation of atherogenic effects of low carbohydrate, high protein diet (LCHP) in apoE/LDLR ^{-/-} mice. <i>Journal of Nutrition, Health and Aging</i> , 2015, 19, 710-718.	3.3	16
18	Haematological parameters, serum lipid profile, liver function and fatty acid profile of broiler chickens fed on diets supplemented with pomegranate seed oil and linseed oil. <i>British Poultry Science</i> , 2016, 57, 771-779.	1.7	16

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19	Effect of low carbohydrate high protein (LCHP) diet on lipid metabolism, liver and kidney function in rats. <i>Environmental Toxicology and Pharmacology</i> , 2015, 39, 713-719.	4.0	15
20	Distinct Chemical Changes in Abdominal but Not in Thoracic Aorta upon Atherosclerosis Studied Using Fiber Optic Raman Spectroscopy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4838.	4.1	15
21	Effects of margarine supplemented with T10C12 and C9T11 CLA on atherosclerosis and steatosis in apoE/LDLR ^{-/-} mice. <i>Journal of Nutrition, Health and Aging</i> , 2012, 16, 482-490.	3.3	14
22	Effects of a single bout of strenuous exercise on platelet activation in female ApoE/LDLR ^{+/+} mice. <i>Platelets</i> , 2017, 28, 657-667.	2.3	13
23	Effect of conjugated linoleic acid (CLA) on lipid profile and liver histology in laboratory rats fed high-fructose diet. <i>Environmental Toxicology and Pharmacology</i> , 2010, 30, 245-250.	4.0	12
24	Anti-atherosclerotic activity of catechins depends on their stereoisomerism. <i>Atherosclerosis</i> , 2015, 240, 125-130.	0.8	12
25	Exercise capacity and cardiac hemodynamic response in female ApoE/LDLR ^{+/+} mice: a paradox of preserved V̇O ₂ max and exercise capacity despite coronary atherosclerosis. <i>Scientific Reports</i> , 2016, 6, 24714.	3.3	12
26	Comprehensive MRI for the detection of subtle alterations in diastolic cardiac function in apoE/LDLR ^{-/-} mice with advanced atherosclerosis. <i>NMR in Biomedicine</i> , 2016, 29, 833-840.	2.8	10
27	Anti-atherosclerotic effects of pravastatin in brachiocephalic artery in comparison with en face aorta and aortic roots in ApoE/LDLR ^{+/+} mice. <i>Pharmacological Reports</i> , 2017, 69, 112-118.	3.3	8
28	Multi-omic signatures of atherogenic dyslipidaemia: pre-clinical target identification and validation in humans. <i>Journal of Translational Medicine</i> , 2021, 19, 6.	4.4	8
29	Hypertriglyceridemia but not hypercholesterolemia induces endothelial dysfunction in the rat. <i>Pharmacological Reports</i> , 2005, 57 Suppl, 127-37.	3.3	8
30	A comprehensive approach to study liver tissue: Spectroscopic imaging and histochemical staining. <i>Biomedical Spectroscopy and Imaging</i> , 2013, 2, 331-337.	1.2	7
31	Margarine supplemented with conjugated linolenic acid (CLnA) has no effect on atherosclerosis but alleviates the liver steatosis and affects the expression of lipid metabolism genes in apoE/LDLR ^{+/+} mice. <i>European Journal of Lipid Science and Technology</i> , 2015, 117, 589-600.	1.5	7
32	Distribution of selected elements in atherosclerotic plaques of apoE/LDLR-double knockout mice subjected to dietary and pharmacological treatments. <i>Radiation Physics and Chemistry</i> , 2011, 80, 1072-1077.	2.8	5
33	Critical evaluation of normotensive rats as models for hypercholesterolaemia-induced atherosclerosis. <i>Journal of Animal and Feed Sciences</i> , 2005, 14, 339-351.	1.1	5
34	Effects of Dietary Conjugated Linoleic Acid and Selected Vegetable Oils or Vitamin E on Fatty Acid Composition of Hen Egg Yolks. <i>Annals of Animal Science</i> , 2019, 19, 173-188.	1.6	5
35	The integrin ligand SVEP1 regulates GPCR-mediated vasoconstriction via integrins $\alpha_9\beta_1$ and $\alpha_4\beta_1$. <i>British Journal of Pharmacology</i> , 2022, 179, 4958-4973.	5.4	5
36	Effects of <i>trans</i> - α_10 , <i>cis</i> - α_12 and <i>cis</i> - α_9 , <i>trans</i> - α_11 CLA on atherosclerosis in apoE/LDLR ^{+/+} mice. <i>European Journal of Lipid Science and Technology</i> , 2011, 113, 572-583.	1.5	3

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37	Chemical Composition of Atherosclerotic Plaques in apoE/LDLR-Double Knockout Mice by Synchrotron Radiation FTIR Microspectroscopy. <i>Acta Physica Polonica A</i> , 2012, 121, 555-560.	0.5	3
38	Spontaneously hypertensive rats are resistant to hypercholesterolaemia-induced atherosclerosis. <i>Journal of Animal and Feed Sciences</i> , 2006, 15, 103-114.	1.1	3
39	Effect of conjugated linoleic acid and different type of dietary fat on serum lipid profile, liver enzymes activity and oxidative stress markers in wistar rats. <i>Roczniki Panstwowego Zakladu Higieny</i> , 2019, 70, 27-33.	0.7	3
40	Effect of caloric restriction on liver function in young and old ApoE/LDLr-/- mice. <i>Roczniki Panstwowego Zakladu Higieny</i> , 2018, 69, 37-43.	0.7	3