Jianglin Fan

List of Publications by Year
in descending order

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129	4,543	94381	143943
papers	citations	37 h-index	57 g-index

134	134	134	5246
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Inflammatory Reactions in the Pathogenesis of Atherosclerosis. Journal of Atherosclerosis and Thrombosis, 2003, 10, 63-71.	0.9	288
2	Rabbit models for the study of human atherosclerosis: From pathophysiological mechanisms to translational medicine. , 2015, 146, 104-119.		259
3	Development of an Animal Model for Spontaneous Myocardial Infarction (WHHLMI Rabbit). Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 1239-1244.	1.1	160
4	Transgenic rabbits as therapeutic protein bioreactors and human disease models. , 2003, 99, 261-282.		145
5	Effective gene targeting in rabbits using RNA-guided Cas9 nucleases. Journal of Molecular Cell Biology, 2014, 6, 97-99.	1.5	143
6	Macrophage Metalloelastase Accelerates the Progression of Atherosclerosis in Transgenic Rabbits. Circulation, 2006, 113, 1993-2001.	1.6	129
7	Increased Expression of Vascular Endothelial Growth Factor in Kidney Leads to Progressive Impairment of Glomerular Functions. Journal of the American Society of Nephrology: JASN, 2007, 18, 2094-2104.	3.0	99
8	Human C-Reactive Protein Does Not Promote Atherosclerosis in Transgenic Rabbits. Circulation, 2009, 120, 2088-2094.	1.6	98
9	Treatment of atherosclerosis by traditional Chinese medicine: Questions and quandaries. Atherosclerosis, 2018, 277, 136-144.	0.4	97
10	Matrix Metalloproteinase 12 Accelerates the Initiation of Atherosclerosis and Stimulates the Progression of Fatty Streaks to Fibrous Plaques in Transgenic Rabbits. American Journal of Pathology, 2008, 172, 1419-1429.	1.9	92
11	Overexpression of Lipoprotein Lipase in Transgenic Rabbits Inhibits Diet-induced Hypercholesterolemia and Atherosclerosis. Journal of Biological Chemistry, 2001, 276, 40071-40079.	1.6	85
12	Atherosclerosis: Known and unknown. Pathology International, 2022, 72, 151-160.	0.6	78
13	Transgenic Rabbits Expressing Human Apolipoprotein(a) Develop More Extensive Atherosclerotic Lesions in Response to a Cholesterol-Rich Diet. Arteriosclerosis, Thrombosis, and Vascular Biology, 2001, 21, 88-94.	1.1	77
14	Lipoprotein(a) Promotes Smooth Muscle Cell Proliferation and Dedifferentiation in Atherosclerotic Lesions of Human Apo(a) Transgenic Rabbits. American Journal of Pathology, 2002, 160, 227-236.	1.9	70
15	ApoE knockout rabbits: A novel model for the study of human hyperlipidemia. Atherosclerosis, 2016, 245, 187-193.	0.4	70
16	Lipoprotein(a) Enhances Advanced Atherosclerosis and Vascular Calcification in WHHL Transgenic Rabbits Expressing Human Apolipoprotein(a). Journal of Biological Chemistry, 2002, 277, 47486-47492.	1.6	67
17	High-fat diet without excess calories induces metabolic disorders and enhances atherosclerosis in rabbits. Atherosclerosis, 2010, 213, 148-155.	0.4	62
18	Overexpression of Human Apolipoprotein B-100 in Transgenic Rabbits Results in Increased Levels of LDL and Decreased Levels of HDL. Arteriosclerosis, Thrombosis, and Vascular Biology, 1995, 15, 1889-1899.	1.1	61

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19	Western diet feeding influences gut microbiota profiles in apoE knockout mice. Lipids in Health and Disease, 2018, 17, 159.	1.2	61
20	Overexpression of Lipoprotein Lipase in Transgenic Watanabe Heritable Hyperlipidemic Rabbits Improves Hyperlipidemia and Obesity. Journal of Biological Chemistry, 2004, 279, 7521-7529.	1.6	58
21	Human Apolipoprotein A-II Protects Against Diet-Induced Atherosclerosis in Transgenic Rabbits. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 224-231.	1.1	57
22	Bisphenol A exposure induces metabolic disorders and enhances atherosclerosis in hyperlipidemic rabbits. Journal of Applied Toxicology, 2015, 35, 1058-1070.	1.4	57
23	Expression Systems and Species Used for Transgenic Animal Bioreactors. BioMed Research International, 2013, 2013, 1-9.	0.9	55
24	Principles and Applications of Rabbit Models for Atherosclerosis Research. Journal of Atherosclerosis and Thrombosis, 2018, 25, 213-220.	0.9	55
25	Transgenic rabbit models for biomedical research: Current status, basic methods and future perspectives. Pathology International, 1999, 49, 583-594.	0.6	53
26	Macrophage-derived lipoprotein lipase increases aortic atherosclerosis in cholesterol-fed Tg rabbits. Atherosclerosis, 2005, 179, 87-95.	0.4	53
27	Role of Endothelinâ€1 in Atherosclerosis^a. Annals of the New York Academy of Sciences, 2000, 902, 84-94.	1.8	48
28	Protein Inhibitor of Activated STAT3 Suppresses Oxidized LDL-induced Cell Responses during Atherosclerosis in Apolipoprotein E-deficient Mice. Scientific Reports, 2016, 6, 36790.	1.6	48
29	Deficiency of Cholesteryl Ester Transfer Protein Protects Against Atherosclerosis in Rabbits. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 1068-1075.	1.1	47
30	Extracellular vesicles derived from donor oviduct fluid improved birth rates after embryo transfer in mice. Reproduction, Fertility and Development, 2019, 31, 324.	0.1	46
31	Bisphenol A Exposure Enhances Atherosclerosis in WHHL Rabbits. PLoS ONE, 2014, 9, e110977.	1.1	45
32	Expression of Human ApoAII in Transgenic Rabbits Leads to Dyslipidemia. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 2047-2053.	1.1	44
33	Effects of type III antifreeze protein on sperm and embryo cryopreservation in rabbit. Cryobiology, 2014, 69, 22-25.	0.3	43
34	High-fructose and high-fat diet-induced insulin resistance enhances atherosclerosis in Watanabe heritable hyperlipidemic rabbits. Nutrition and Metabolism, 2015, 12, 30.	1.3	42
35	Hydrogen sulfide inhibits development of atherosclerosis through up-regulating protein S-nitrosylation. Biomedicine and Pharmacotherapy, 2016, 83, 466-476.	2.5	42
36	Hypertension Enhances Advanced Atherosclerosis and Induces Cardiac Death in Watanabe Heritable Hyperlipidemic Rabbits. American Journal of Pathology, 2018, 188, 2936-2947.	1.9	42

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37	Single-Cell-Derived Tumor-Sphere Formation and Drug-Resistance Assay Using an Integrated Microfluidics. Analytical Chemistry, 2019, 91, 8318-8325.	3.2	40
38	Bisphenol-A induces neurodegeneration through disturbance of intracellular calcium homeostasis in human embryonic stem cells-derived cortical neurons. Chemosphere, 2019, 229, 618-630.	4.2	39
39	Unstable coronary plaques and cardiac events in myocardial infarction-prone Watanabe heritable hyperlipidemic rabbits: questions and quandaries. Current Opinion in Lipidology, 2008, 19, 631-636.	1.2	38
40	Connexin43 Contributes to Inflammasome Activation and Lipopolysaccharide-Initiated Acute Renal Injury via Modulation of Intracellular Oxidative Status. Antioxidants and Redox Signaling, 2019, 31, 1194-1212.	2.5	38
41	Assembly of Lipoprotein (a) in Transgenic Rabbits Expressing Human Apolipoprotein (a). Biochemical and Biophysical Research Communications, 1999, 255, 639-644.	1.0	35
42	Hypoxic and Cold Adaptation Insights from the Himalayan Marmot Genome. IScience, 2019, 11, 519-530.	1.9	34
43	High lipoprotein lipase activity increases insulin sensitivity in transgenic rabbits. Metabolism: Clinical and Experimental, 2005, 54, 132-138.	1.5	33
44	Sphingolipid de novo biosynthesis is essential for intestine cell survival and barrier function. Cell Death and Disease, 2018, 9, 173.	2.7	32
45	Spontaneous severe hypercholesterolemia and atherosclerosis lesions in rabbits with deficiency of low-density lipoprotein receptor (LDLR) on exon 7. EBioMedicine, 2018, 36, 29-38.	2.7	32
46	Macrophageâ€derived MMPâ€9 enhances the progression of atherosclerotic lesions and vascular calcification in transgenic rabbits. Journal of Cellular and Molecular Medicine, 2020, 24, 4261-4274.	1.6	32
47	Extracranial metastasis of anaplastic ganglioglioma through a ventriculoperitoneal shunt: A case report. Pathology International, 1999, 49, 258-263.	0.6	31
48	Overexpression of lipoprotein lipase in transgenic rabbits leads to increased small dense LDL in plasma and promotes atherosclerosis. Laboratory Investigation, 2004, 84, 715-726.	1.7	31
49	Expression of TRPV1 in rabbits and consuming hot pepper affects its body weight. Molecular Biology Reports, 2012, 39, 7583-7589.	1.0	31
50	Transgenic rabbits with increased VEGF expression develop hemangiomas in the liver: a new model for Kasabachâ€“Merritt syndrome. Laboratory Investigation, 2005, 85, 1517-1527.	1.7	30
51	Enhanced aortic atherosclerosis in transgenic Watanabe heritable hyperlipidemic rabbits expressing lipoprotein lipase. Cardiovascular Research, 2005, 65, 524-534.	1.8	30
52	Hypertriglyceridemia and delayed clearance of fat load in transgenic rabbits expressing human apolipoprotein CIII. Transgenic Research, 2011, 20, 867-875.	1.3	30
53	Probucol Suppresses Macrophage Infiltration and MMP Expression in Atherosclerotic Plaques of WHHL Rabbits. Journal of Atherosclerosis and Thrombosis, 2014, 21, 648-658.	0.9	30
54	Increased Hepatic Expression of Endothelial Lipase Inhibits Cholesterol Dietâ€“Induced Hypercholesterolemia and Atherosclerosis in Transgenic Rabbits. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 1282-1289.	1.1	30

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55	Reductively modified albumin attenuates DSS-Induced mouse colitis through rebalancing systemic redox state. Redox Biology, 2021, 41, 101881.	3.9	30
56	Practical assessment of the quantification of atherosclerotic lesions in apoEâ^'/â^' mice. Molecular Medicine Reports, 2015, 12, 5298-5306.	1.1	29
57	Carbonate Ion-Enriched Hot Spring Water Promotes Skin Wound Healing in Nude Rats. PLoS ONE, 2015, 10, e0117106.	1.1	29
58	Homocysteine reduces protein S-nitrosylation in endothelium. International Journal of Molecular Medicine, 2014, 34, 1277-1285.	1.8	26
59	Probucol inhibits the initiation of atherosclerosis in cholesterol-fed rabbits. Lipids in Health and Disease, 2013, 12, 166.	1.2	25
60	Differential Patterns of Secreted Frizzled-Related Protein 4 (SFRP4) in Adipocyte Differentiation: Adipose Depot Specificity. Cellular Physiology and Biochemistry, 2018, 46, 2149-2164.	1.1	25
61	Hyperlipidemia-associated gene variations and expression patterns revealed by whole-genome and transcriptome sequencing of rabbit models. Scientific Reports, 2016, 6, 26942.	1.6	24
62	Several circulating miRNAs related to hyperlipidemia and atherosclerotic cardiovascular diseases. Lipids in Health and Disease, 2019, 18, 104.	1.2	24
63	Generation of hyperlipidemic rabbit models using multiple sgRNAs targeted CRISPR/Cas9 gene editing system. Lipids in Health and Disease, 2019, 18, 69.	1.2	24
64	Hepatocellular cystathionine Î³ lyase/hydrogen sulfide attenuates nonalcoholic fatty liver disease by activating farnesoid X receptor. Hepatology, 2022, 76, 1794-1810.	3.6	24
65	Macrophage-Specific Overexpression of Human Matrix Metalloproteinase-12 in Transgenic Rabbits. Transgenic Research, 2004, 13, 261-269.	1.3	23
66	Animal Models of C-Reactive Protein. Mediators of Inflammation, 2014, 2014, 1-7.	1.4	23
67	Salusin-Î± Inhibits Proliferation and Migration of Vascular Smooth Muscle Cell via Akt/mTOR Signaling. Cellular Physiology and Biochemistry, 2018, 50, 1740-1753.	1.1	23
68	Microstructure-based techniques for single-cell manipulation and analysis. TrAC - Trends in Analytical Chemistry, 2020, 129, 115940.	5.8	23
69	Temporal and quantitative analysis of expression of metalloproteinases (MMPs) and their endogenous inhibitors in atherosclerotic lesions. Histology and Histopathology, 2008, 23, 1503-16.	0.5	23
70	AMPK Suppresses Connexin43 Expression in the Bladder and Ameliorates Voiding Dysfunction in Cyclophosphamide-induced Mouse Cystitis. Scientific Reports, 2016, 6, 19708.	1.6	22
71	Motility and fertility of rabbit sperm cryopreserved using soybean lecithin as an alternative to egg yolk. Theriogenology, 2015, 84, 1172-1175.	0.9	21
72	Silencing Herpes Simplex Virus Type 1 Capsid Protein Encoding Genes by siRNA: A Promising Antiviral Therapeutic Approach. PLoS ONE, 2014, 9, e96623.	1.1	21

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73	Bre Enhances Osteoblastic Differentiation by Promoting the Mdm2-Mediated Degradation of p53. Stem Cells, 2017, 35, 1760-1772.	1.4	19
74	Apolipoprotein CIII Deficiency Protects Against Atherosclerosis in Knockout Rabbits. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 2095-2107.	1.1	19
75	Comparative Analyses of Lipoprotein Lipase, Hepatic Lipase, and Endothelial Lipase, and Their Binding Properties with Known Inhibitors. PLoS ONE, 2013, 8, e72146.	1.1	19
76	Fluorescent Egg White-Based Carbon Dots as a High-Sensitivity Iron Chelator for the Therapy of Nonalcoholic Fatty Liver Disease by Iron Overload in Zebrafish. ACS Applied Materials & Interfaces, 2021, 13, 54677-54689.	4.0	19
77	Enhanced Atherosclerosis in Lp(a) WHHL Transgenic Rabbits. Annals of the New York Academy of Sciences, 2001, 947, 362-365.	1.8	18
78	Human apolipoprotein A-II reduces atherosclerosis in knock-in rabbits. Atherosclerosis, 2021, 316, 32-40.	0.4	18
79	Angiotensin II Destabilizes Coronary Plaques in Watanabe Heritable Hyperlipidemic Rabbits. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 810-816.	1.1	16
80	Detection of potential new biomarkers of atherosclerosis by probe electrospray ionization mass spectrometry. Metabolomics, 2018, 14, 38.	1.4	16
81	Endothelial Lipase Mediates HDL Levels in Normal and Hyperlipidemic Rabbits. Journal of Atherosclerosis and Thrombosis, 2012, 19, 213-226.	0.9	15
82	Probucol and cilostazol exert a combinatorial anti-atherogenic effect in cholesterol-fed rabbits. Thrombosis Research, 2013, 132, 565-571.	0.8	15
83	Urotensin II Promotes Atherosclerosis in Cholesterol-Fed Rabbits. PLoS ONE, 2014, 9, e95089.	1.1	15
84	Carbenoxolone inhibits <scp>TRPV</scp>4 channelâ€initiated oxidative urothelial injury and ameliorates cyclophosphamideâ€induced bladder dysfunction. Journal of Cellular and Molecular Medicine, 2017, 21, 1791-1802.	1.6	14
85	Lp(a) enhances coronary atherosclerosis in transgenic Watanabe heritable hyperlipidemic rabbits. Atherosclerosis, 2007, 193, 269-276.	0.4	13
86	Effects of Antisense Oligonucleotides against C-Reactive Protein on the Development of Atherosclerosis in WHHL Rabbits. Mediators of Inflammation, 2014, 2014, 1-8.	1.4	12
87	Production of Cloned Miniature Pigs Expressing High Levels of Human Apolipoprotein(a) in Plasma. PLoS ONE, 2015, 10, e0132155.	1.1	12
88	Dietary Cocoa Powder Improves Hyperlipidemia and Reduces Atherosclerosis in apoE Deficient Mice through the Inhibition of Hepatic Endoplasmic Reticulum Stress. Mediators of Inflammation, 2016, 2016, 1-11.	1.4	12
89	Transcriptomic analysis of the liver of cholesterol-fed rabbits reveals altered hepatic lipid metabolism and inflammatory response. Scientific Reports, 2018, 8, 6437.	1.6	12
90	Overexpression of Cholesteryl Ester Transfer Protein Increases Macrophage-Derived Foam Cell Accumulation in Atherosclerotic Lesions of Transgenic Rabbits. Mediators of Inflammation, 2017, 2017, 1-9.	1.4	11

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91	Genomic and Transcriptomic Analysis of Hypercholesterolemic Rabbits: Progress and Perspectives. International Journal of Molecular Sciences, 2018, 19, 3512.	1.8	11
92	C-reactive protein is associated with the progression of acute embolic stroke in rabbit model. Journal of Thrombosis and Thrombolysis, 2012, 33, 301-307.	1.0	10
93	Autocrine Human Urotensin II Enhances Macrophage-Derived Foam Cell Formation in Transgenic Rabbits. BioMed Research International, 2015, 2015, 1-8.	0.9	10
94	Glutathione inhibits antibody and complement-mediated immunologic cell injury via multiple mechanisms. Redox Biology, 2017, 12, 571-581.	3.9	10
95	Ubiquitin-proteasome-dependent slingshot 1 downregulation in neuronal cells inactivates cofilin to facilitate HSV-1 replication. Virology, 2014, 449, 88-95.	1.1	9
96	Combined use of probucol and cilostazol with atorvastatin attenuates atherosclerosis in moderately hypercholesterolemic rabbits. Lipids in Health and Disease, 2015, 14, 82.	1.2	9
97	Sex hormones affect endothelial lipase-mediated lipid metabolism and atherosclerosis. Lipids in Health and Disease, 2019, 18, 226.	1.2	9
98	Transgenic Rabbit Models: Now and the Future. Applied Sciences (Switzerland), 2020, 10, 7416.	1.3	9
99	Genetically Modified Rabbits for Cardiovascular Research. Frontiers in Genetics, 2021, 12, 614379.	1.1	9
100	Strategies for Highly Efficient Rabbit Sperm Cryopreservation. Animals, 2021, 11, 1220.	1.0	9
101	Immunohistochemical Localization of Lipoprotein Lipase and Apolipoprotein E in Human Atherosclerotic Lesions.. Acta Histochemica Et Cytochemica, 1998, 31, 485-492.	0.8	8
102	Transgenic rabbits expressing human lipoprotein lipase. Cytotechnology, 2000, 33, 93-99.	0.7	8
103	Establishment of a novel nonâ€'alcoholic fatty liver disease model using cholesterolâ€'fed rabbits with reference to the potential role of endoplasmic reticulum stress. Molecular Medicine Reports, 2018, 18, 2898-2904.	1.1	7
104	Hyperlipidemic Rabbit Models for Anti-Atherosclerotic Drug Development. Applied Sciences (Switzerland), 2020, 10, 8681.	1.3	7
105	C-Reactive Protein and Arteriosclerosis. Mediators of Inflammation, 2014, 2014, 1-1.	1.4	6
106	Plasma High-Mannose and Complex/Hybrid N-Glycans Are Associated with Hypercholesterolemia in Humans and Rabbits. PLoS ONE, 2016, 11, e0146982.	1.1	6
107	Whole-body insulin resistance and energy expenditure indices, serum lipids, and skeletal muscle metabolome in a state of lipoprotein lipase overexpression. Metabolomics, 2021, 17, 26.	1.4	6
108	Effect of the primary cooling rate on the motility and fertility of frozen-thawed rabbit spermatozoa. World Rabbit Science, 2012, 20, .	0.1	6

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109	Dietary-Induced Elevations of Triglyceride-Rich Lipoproteins Promote Atherosclerosis in the Low-Density Lipoprotein Receptor Knockout Syrian Golden Hamster. Frontiers in Cardiovascular Medicine, 2021, 8, 738060.	1.1	6
110	Transgenic Rabbits Expressing Human Apolipoprotein(a) as a Useful Model for the Study of Lipoprotein(a)^a. Annals of the New York Academy of Sciences, 2000, 902, 347-351.	1.8	5
111	Effects of Cholesterol-Loaded Cyclodextrins on the Rate and the Quality of Motility in Frozen and Thawed Rabbit Sperm. Experimental Animals, 2014, 63, 149-154.	0.7	5
112	Combined B, T and NK Cell Deficiency Accelerates Atherosclerosis in BALB/c Mice. PLoS ONE, 2016, 11, e0157311.	1.1	4
113	Cepharanthine hydrochloride degrades polyglutamine-expanded androgen receptor proteins through an autophagy pathway in neuron cells. European Journal of Pharmacology, 2019, 861, 172534.	1.7	4
114	Renovascular Hypertension Aggravates Atherosclerosis in Cholesterol-Fed Rabbits. Journal of Vascular Research, 2019, 56, 28-38.	0.6	4
115	Isolation and Analysis of Plasma Lipoproteins by Ultracentrifugation. Journal of Visualized Experiments, 2021, , .	0.2	4
116	Establishing an Appropriate Pressure for the Transparent Disc Method to Distinguish Early Pressure Injury and Blanchable Erythema. Diagnostics, 2022, 12, 1075.	1.3	4
117	iMarmot: an integrative platform for comparative and functional genomics of marmots. BMC Genomics, 2020, 21, 266.	1.2	3
118	Endothelial Lipase Exerts its Anti-Atherogenic Effect through Increased Catabolism of Î²-VLDLs. Journal of Atherosclerosis and Thrombosis, 2021, 28, 157-168.	0.9	3
119	Comparative studies of three cholesteryl ester transfer proteins and their interactions with known inhibitors. PLoS ONE, 2017, 12, e0180772.	1.1	3
120	Demonstration of an add-on effect of probucol and cilostazol on the statin-induced anti-atherogenic effects. Histology and Histopathology, 2014, 29, 1593-600.	0.5	3
121	Genetic and molecular features for hepadnavirus and plague infections in the Himalayan marmot. Genome, 2020, 63, 307-317.	0.9	2
122	Macrophage elastase (MMPâ€12) accelerates the progression of atherosclerosis in transgenic rabbits. FASEB Journal, 2006, 20, A12.	0.2	2
123	Use of Rabbit Models to Study. Methods in Molecular Biology, 2022, 2419, 413-431.	0.4	1
124	C1q/Tumor Necrosis Factor-Related Protein 9: Basics and Therapeutic Potentials. Frontiers in Physiology, 2022, 13, 816218.	1.3	1
125	29.Production of Transgenic Rabbits by Somatic Nuclear Transfer. Proceedings of the Japanese Society of Animal Models for Human Diseases, 2000, 16, 36-36.	0.1	0
126	Response to Letter Regarding Article, â€œHuman C-Reactive Protein Does Not Promote Atherosclerosis in Transgenic Rabbitsâ€. Circulation, 2010, 122, .	1.6	0

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127	â€œCoral Reefâ€•Like Calcifications: Communities of Uncomplicated Calcified Nodules. Journal of Atherosclerosis and Thrombosis, 2020, 27, 1019-1021.	0.9	0
128	Is apoCIII-Lowering A Double-Edged Sword?. Journal of Atherosclerosis and Thrombosis, 2022, , .	0.9	0
129	Pathological Investigations of Intracranial Atherosclerosis Using Multiple Hypercholesterolemic Rabbit Models. Frontiers in Endocrinology, 2022, 13, .	1.5	0