

Chu-Huang Chen

List of Publications by Year in descending order

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68
papers

2,414
citations

257357

24
h-index

223716

46
g-index

68
all docs

68
docs citations

68
times ranked

2850
citing authors

#	ARTICLE	IF	CITATIONS
1	Lectin-like oxidized low-density lipoprotein receptor-1 (LOX-1): a crucial driver of atherosclerotic cardiovascular disease. <i>European Heart Journal</i> , 2021, 42, 1797-1807.	1.0	58
2	Adiponectin forms a complex with atherogenic LDL and inhibits its downstream effects. <i>Journal of Lipid Research</i> , 2021, 62, 100001.	2.0	13
3	Electronegative very-low-density lipoprotein induces brain inflammation and cognitive dysfunction in mice. <i>Scientific Reports</i> , 2021, 11, 6013.	1.6	5
4	Autoimmune Rheumatic Diseases: An Update on the Role of Atherogenic Electronegative LDL and Potential Therapeutic Strategies. <i>Journal of Clinical Medicine</i> , 2021, 10, 1992.	1.0	5
5	Electronegative low-density lipoprotein of patients with metabolic syndrome induces pathogenesis of aorta through disruption of the stimulated by retinoic acid cascade. <i>Journal of Diabetes Investigation</i> , 2020, 11, 535-544.	1.1	3
6	Nociceptive transient receptor potential canonical 7 (TRPC7) mediates aging-associated tumorigenesis induced by ultraviolet B. <i>Aging Cell</i> , 2020, 19, e13075.	3.0	18
7	An Increased Plasma Level of ApoCIII-Rich Electronegative High-Density Lipoprotein May Contribute to Cognitive Impairment in Alzheimer's Disease. <i>Biomedicines</i> , 2020, 8, 542.	1.4	6
8	Clinical Significance of Electronegative Low-Density Lipoprotein Cholesterol in Atherothrombosis. <i>Biomedicines</i> , 2020, 8, 254.	1.4	12
9	Effect of acyl and alkyl analogs of platelet-activating factor on inflammatory signaling. <i>Prostaglandins and Other Lipid Mediators</i> , 2020, 151, 106478.	1.0	9
10	Increased APOE glycosylation plays a key role in the atherogenicity of L5 low-density lipoprotein. <i>FASEB Journal</i> , 2020, 34, 9802-9813.	0.2	15
11	Association of Electronegative LDL with Macrophage Foam Cell Formation and CD11c Expression in Rheumatoid Arthritis Patients. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5883.	1.8	11
12	Atherogenic L5 LDL induces cardiomyocyte apoptosis and inhibits KATP channels through CaMKII activation. <i>Lipids in Health and Disease</i> , 2020, 19, 189.	1.2	2
13	Detection of a High Ratio of Soluble to Membrane-Bound LOX-1 in Aspirated Coronary Thrombi From Patients With ST-Segment Elevation Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2020, 9, e014008.	1.6	15
14	Role of Low-Density Lipoprotein in Early Vascular Aging Associated With Systemic Lupus Erythematosus. <i>Arthritis and Rheumatology</i> , 2020, 72, 972-984.	2.9	22
15	Role of apolipoprotein E in electronegative low-density lipoprotein-induced mitochondrial dysfunction in cardiomyocytes. <i>Metabolism: Clinical and Experimental</i> , 2020, 107, 154227.	1.5	13
16	Combined LDL and VLDL Electronegativity Correlates with Coronary Heart Disease Risk in Asymptomatic Individuals. <i>Journal of Clinical Medicine</i> , 2019, 8, 1193.	1.0	10
17	Immunoregulatory effects of very low density lipoprotein from healthy individuals and metabolic syndrome patients on glial cells. <i>Immunobiology</i> , 2019, 224, 632-637.	0.8	5
18	Urinary adiponectin as a new diagnostic index for chronic kidney disease due to diabetic nephropathy. <i>BMJ Open Diabetes Research and Care</i> , 2019, 7, e000661.	1.2	23

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19	Very Low-Density Lipoproteins of Metabolic Syndrome Modulates STIM1, Suppresses Store-Operated Calcium Entry, and Deranges Myofilament Proteins in Atrial Myocytes. <i>Journal of Clinical Medicine</i> , 2019, 8, 881.	1.0	11
20	An Updated Review of Lysophosphatidylcholine Metabolism in Human Diseases. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1149.	1.8	433
21	A potential new approach for treating systemic sclerosis: Dedifferentiation of SSc fibroblasts and change in the microenvironment by blocking store-operated Ca ²⁺ entry. <i>PLoS ONE</i> , 2019, 14, e0213400.	1.1	5
22	A Novel Cell-Free, Non-Fluorescent Method to Measure LOX-1-Binding Activity Corresponding to The Functional Activity of HDL. <i>Journal of Atherosclerosis and Thrombosis</i> , 2019, 26, 947-958.	0.9	9
23	Association between Negatively Charged Low-Density Lipoprotein L5 and Subclinical Atherosclerosis in Rheumatoid Arthritis Patients. <i>Journal of Clinical Medicine</i> , 2019, 8, 177.	1.0	13
24	Xanthine-derived KMUP-1 reverses glucotoxicity-activated Kv channels through the cAMP/PKA signaling pathway in rat pancreatic I ² cells. <i>Chemico-Biological Interactions</i> , 2018, 279, 171-176.	1.7	9
25	Modulation of inflammatory platelet-activating factor (PAF) receptor by the acyl analogue of PAF. <i>Journal of Lipid Research</i> , 2018, 59, 2063-2074.	2.0	22
26	Range of L5 LDL levels in healthy adults and L5's predictive power in patients with hyperlipidemia or coronary artery disease. <i>Scientific Reports</i> , 2018, 8, 11866.	1.6	18
27	Human electronegative LDL induces mitochondrial dysfunction and premature senescence of vascular cells in vivo. <i>Aging Cell</i> , 2018, 17, e12792.	3.0	39
28	Hydrogen gas protects IP3Rs by reducing disulfide bridges in human keratinocytes under oxidative stress. <i>Scientific Reports</i> , 2017, 7, 3606.	1.6	11
29	Electronegative LDL-mediated cardiac electrical remodeling in a rat model of chronic kidney disease. <i>Scientific Reports</i> , 2017, 7, 40676.	1.6	6
30	VLDL and LDL, but not HDL, promote breast cancer cell proliferation, metastasis and angiogenesis. <i>Cancer Letters</i> , 2017, 388, 130-138.	3.2	83
31	Electronegative Low-Density Lipoprotein L5 Induces Adipose Tissue Inflammation Associated With Metabolic Syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 4615-4625.	1.8	15
32	Very-Low-Density Lipoprotein of Metabolic Syndrome Modulates Gap Junctions and Slows Cardiac Conduction. <i>Scientific Reports</i> , 2017, 7, 12050.	1.6	21
33	Human electronegative low-density lipoprotein modulates cardiac repolarization via LOX-1-mediated alteration of sarcolemmal ion channels. <i>Scientific Reports</i> , 2017, 7, 10889.	1.6	5
34	Electronegative low-density lipoprotein increases the risk of ischemic lower-extremity peripheral artery disease in uremia patients on maintenance hemodialysis. <i>Scientific Reports</i> , 2017, 7, 4654.	1.6	10
35	The role of electronegative low-density lipoprotein in cardiovascular diseases and its therapeutic implications. <i>Trends in Cardiovascular Medicine</i> , 2017, 27, 239-246.	2.3	21
36	VLDL from Metabolic Syndrome Individuals Enhanced Lipid Accumulation in Atria with Association of Susceptibility to Atrial Fibrillation. <i>International Journal of Molecular Sciences</i> , 2016, 17, 134.	1.8	12

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37	Electronegative Low-density Lipoprotein Increases Coronary Artery Disease Risk in Uremia Patients on Maintenance Hemodialysis. <i>Medicine (United States)</i> , 2016, 95, e2265.	0.4	12
38	Plasma L5 levels are elevated in ischemic stroke patients and enhance platelet aggregation. <i>Blood</i> , 2016, 127, 1336-1345.	0.6	69
39	Age-dependent impact of new ESC-Guideline recommended door-to-balloon times on mid-term survival in acute ST-elevation myocardial infarction patients undergoing primary percutaneous coronary intervention. <i>International Journal of Cardiology</i> , 2016, 222, 242-246.	0.8	9
40	Update on ADAMTS13 and VWF in cardiovascular and hematological disorders. <i>Clinica Chimica Acta</i> , 2016, 463, 109-118.	0.5	32
41	Electronegative low density lipoprotein induces renal apoptosis and fibrosis: STRA6 signaling involved. <i>Journal of Lipid Research</i> , 2016, 57, 1435-1446.	2.0	15
42	Enhanced Sphingomyelinase Activity Contributes to the Apoptotic Capacity of Electronegative Low-Density Lipoprotein. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 1032-1040.	2.9	19
43	Interplay between CRP, Atherogenic LDL, and LOX-1 and Its Potential Role in the Pathogenesis of Atherosclerosis. <i>Clinical Chemistry</i> , 2016, 62, 320-327.	1.5	102
44	Four Statin Benefit Groups Defined by The 2013 ACC/AHA New Cholesterol Guideline are Characterized by Increased Plasma Level of Electronegative Low-Density Lipoprotein. <i>Acta Cardiologica Sinica</i> , 2016, 32, 667-675.	0.1	8
45	Sesamol Reduces the Atherogenicity of Electronegative L5 LDLin Vivoandin Vitro. <i>Journal of Natural Products</i> , 2015, 78, 225-233.	1.5	28
46	(PS) ² : protein structure prediction server version 3.0. <i>Nucleic Acids Research</i> , 2015, 43, W338-W342.	6.5	45
47	Increased LDL electronegativity in chronic kidney disease disrupts calcium homeostasis resulting in cardiac dysfunction. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 84, 36-44.	0.9	22
48	Low-Density Lipoprotein Electronegativity Is a Novel Cardiometabolic Risk Factor. <i>PLoS ONE</i> , 2014, 9, e107340.	1.1	23
49	The Underlying Chemistry of Electronegative LDL's Atherogenicity. <i>Current Atherosclerosis Reports</i> , 2014, 16, 428.	2.0	20
50	Gender disparity in LDL-induced cardiovascular damage and the protective role of estrogens against electronegative LDL. <i>Cardiovascular Diabetology</i> , 2014, 13, 64.	2.7	15
51	Mesenchymal Stem Cell Derived Exosomes: A New Hope for the Treatment of Cardiovascular Disease?. <i>Acta Cardiologica Sinica</i> , 2014, 30, 395-400.	0.1	17
52	Aspirin protects human coronary artery endothelial cells against atherogenic electronegative LDL via an epigenetic mechanism: a novel cytoprotective role of aspirin in acute myocardial infarction. <i>Cardiovascular Research</i> , 2013, 99, 137-145.	1.8	48
53	Highly electronegative LDL from patients with ST-elevation myocardial infarction triggers platelet activation and aggregation. <i>Blood</i> , 2013, 122, 3632-3641.	0.6	69
54	Electronegative Low-Density Lipoprotein Increases C-Reactive Protein Expression in Vascular Endothelial Cells through the LOX-1 Receptor. <i>PLoS ONE</i> , 2013, 8, e70533.	1.1	39

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55	Effects of Electronegative VLDL on Endothelium Damage in Metabolic Syndrome. <i>Diabetes Care</i> , 2012, 35, 648-653.	4.3	29
56	The Most Negatively Charged Low-Density Lipoprotein L5 Induces Stress Pathways in Vascular Endothelial Cells. <i>Journal of Vascular Research</i> , 2012, 49, 329-341.	0.6	22
57	Electronegative low-density lipoprotein induces cardiomyocyte apoptosis indirectly through endothelial cell-released chemokines. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2012, 17, 1009-1018.	2.2	26
58	Chemical composition-oriented receptor selectivity of L5, a naturally occurring atherogenic low-density lipoprotein. <i>Pure and Applied Chemistry</i> , 2011, 83, 1731-1740.	0.9	27
59	Mediation of Electronegative Low-Density Lipoprotein Signaling by LOX-1. <i>Circulation Research</i> , 2009, 104, 619-627.	2.0	127
60	Electronegative LDL Impairs Vascular Endothelial Cell Integrity in Diabetes by Disrupting Fibroblast Growth Factor 2 (FGF2) Autoregulation. <i>Diabetes</i> , 2008, 57, 158-166.	0.3	65
61	Electronegative LDL circulating in smokers impairs endothelial progenitor cell differentiation by inhibiting Akt phosphorylation via LOX-1. <i>Journal of Lipid Research</i> , 2008, 49, 33-47.	2.0	73
62	Electronegative LDL disrupts mitochondrial homeostasis: a novel mechanism for cigarette smoking-associated endothelial dysfunction. <i>FASEB Journal</i> , 2008, 22, 471.12.	0.2	0
63	Pro-apoptotic low-density lipoprotein subfractions in type II diabetes. <i>Atherosclerosis</i> , 2007, 193, 283-291.	0.4	32
64	Fibroblast Growth Factor 2: From Laboratory Evidence to Clinical Application. <i>Current Vascular Pharmacology</i> , 2004, 2, 33-43.	0.8	64
65	Platelet-activating factor acetylhydrolase: is it good or bad for you?. <i>Current Opinion in Lipidology</i> , 2004, 15, 337-341.	1.2	51
66	Low-Density Lipoprotein in Hypercholesterolemic Human Plasma Induces Vascular Endothelial Cell Apoptosis by Inhibiting Fibroblast Growth Factor 2 Transcription. <i>Circulation</i> , 2003, 107, 2102-2108.	1.6	147
67	Isolation, Characterization, and Functional Assessment of Oxidatively Modified Subfractions of Circulating Low-Density Lipoproteins. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003, 23, 1083-1090.	1.1	98
68	Inhibitory Effects of Hypercholesterolemia and Ox-LDL on Angiogenesis-like Endothelial Growth in Rabbit Aortic Explants. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997, 17, 1303-1312.	1.1	73