

Amir Ravandi

List of Publications by Year in descending order

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Version: 2024-02-01

113
papers

3,426
citations

147801

31
h-index

161849

54
g-index

117
all docs

117
docs citations

117
times ranked

4264
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of myocardial reperfusion on human plasma lipidome. <i>IScience</i> , 2022, 25, 103828.	4.1	5
2	Bacteria and the growing threat of multidrug resistance for invasive cardiac interventions. <i>Reviews in Cardiovascular Medicine</i> , 2022, 23, 1.	1.4	7
3	Comparing Flaxseed and Perindopril in the Prevention of Doxorubicin and Trastuzumab-Induced Cardiotoxicity in C57BL/6 Mice. <i>Current Oncology</i> , 2022, 29, 2941-2953.	2.2	4
4	Rotational Atherectomy in the Management of Ruptured and Entrapped Coronary Angioplasty Balloon. <i>Cardiovascular Revascularization Medicine</i> , 2021, 28, 140-143.	0.8	1
5	“Tear in My Heart” A Multimodality Perspective. <i>CJC Open</i> , 2021, 3, 225-226.	1.5	0
6	Allergen inhalation generates pro-inflammatory oxidised phosphatidylcholine associated with airway dysfunction. <i>European Respiratory Journal</i> , 2021, 57, 2000839.	6.7	13
7	Statins in patients with COVID-19: a retrospective cohort study in Iranian COVID-19 patients. <i>Translational Medicine Communications</i> , 2021, 6, 3.	1.4	41
8	Oxolipidomics profile in major depressive disorder: Comparing remitters and non-remitters to repetitive transcranial magnetic stimulation treatment. <i>PLoS ONE</i> , 2021, 16, e0246592.	2.5	10
9	Oxidized phosphatidylcholines trigger ferroptosis in cardiomyocytes during ischemia-reperfusion injury. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1170-H1184.	3.2	64
10	When rotational atherectomy is not enough. <i>Clinical Case Reports (discontinued)</i> , 2021, 9, e04131.	0.5	0
11	Oxidized phosphatidylcholines induce multiple functional defects in airway epithelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 321, L703-L717.	2.9	12
12	Defining Acute Coronary Syndrome through Metabolomics. <i>Metabolites</i> , 2021, 11, 685.	2.9	9
13	Increase in Plasma Oxidized Phosphatidylcholines (OxPCs) in Patients Presenting With ST-Elevation Myocardial Infarction (STEMI). <i>Frontiers in Medicine</i> , 2021, 8, 716944.	2.6	9
14	Reversible Mitochondrial Fragmentation in iPSC-Derived Cardiomyocytes From Children With DCMA, a Mitochondrial Cardiomyopathy. <i>Canadian Journal of Cardiology</i> , 2020, 36, 554-563.	1.7	27
15	IL-10 attenuates OxPCs-mediated lipid metabolic responses in ischemia reperfusion injury. <i>Scientific Reports</i> , 2020, 10, 12120.	3.3	17
16	The Cardioprotective Role of Flaxseed in the Prevention of Doxorubicin- and Trastuzumab-Mediated Cardiotoxicity in C57BL/6 Mice. <i>Journal of Nutrition</i> , 2020, 150, 2353-2363.	2.9	18
17	Role of Invasive Hemodynamic Assessment During Trans-Catheter Paravalvular Leak Intervention. <i>Circulation Journal</i> , 2020, 84, 531.	1.6	0
18	Zero-Contrast Intravascular Lithotripsy Angioplasty Facilitated by Intravascular Ultrasound. <i>Cardiovascular Revascularization Medicine</i> , 2020, 21, 123-125.	0.8	0

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19	Reduction of myocardial ischaemiaâ€œreperfusion injury by inactivating oxidized phospholipids. <i>Cardiovascular Research</i> , 2019, 115, 179-189.	3.8	61
20	Metabolomic characterization of myocardial ischemia-reperfusion injury in ST-segment elevation myocardial infarction patients undergoing percutaneous coronary intervention. <i>Scientific Reports</i> , 2019, 9, 11742.	3.3	34
21	Oxylipin profile of human low-density lipoprotein is dependent on its extent of oxidation. <i>Atherosclerosis</i> , 2019, 288, 101-111.	0.8	15
22	Oxidized phospholipids in Doxorubicin-induced cardiotoxicity. <i>Chemico-Biological Interactions</i> , 2019, 303, 35-39.	4.0	95
23	Overcoming the Bitter Taste of Oils Enriched in Fatty Acids to Obtain Their Effects on the Heart in Health and Disease. <i>Nutrients</i> , 2019, 11, 1179.	4.1	5
24	Phospholipid oxidation products in ferroptotic myocardial cell death. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H156-H163.	3.2	36
25	Lipidomics of Bioactive Lipids in Acute Coronary Syndromes. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1051.	4.1	27
26	Patient outcomes in GuideLiner facilitated percutaneous coronary intervention stratified by the SYNTAX score: A retrospective analysis. <i>JRSM Cardiovascular Disease</i> , 2019, 8, 204800401983544.	0.7	1
27	The plasma peptides of breast versus ovarian cancer. <i>Clinical Proteomics</i> , 2019, 16, 43.	2.1	16
28	SS-31 Peptide Reverses the Mitochondrial Fragmentation Present in Fibroblasts From Patients With DCMA, a Mitochondrial Cardiomyopathy. <i>Frontiers in Cardiovascular Medicine</i> , 2019, 6, 167.	2.4	24
29	Platypnea-Orthodeoxia Syndrome. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, e15-e16.	2.9	1
30	High throughput screening reveals no significant changes in protein synthesis, processing, and degradation machinery during passaging of mesenchymal stem cells. <i>Canadian Journal of Physiology and Pharmacology</i> , 2019, 97, 536-543.	1.4	5
31	Oxidized lipids: not just another brick in the wall. <i>Canadian Journal of Physiology and Pharmacology</i> , 2019, 97, 473-485.	1.4	9
32	Role of renin-angiotensin system antagonists in the prevention of bevacizumab- and sunitinib-mediated cardiac dysfunction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H446-H458.	3.2	9
33	OxPCsâ€œMediated Lipid Metabolic Responses in Cardiomyocytes as well as During Ischemia Reperfusion Injury. <i>FASEB Journal</i> , 2019, 33, lb480.	0.5	0
34	The Manitoba Personalized Lifestyle Research (TMPLR) study protocol: a multicentre bidirectional observational cohort study with administrative health record linkage investigating the interactions between lifestyle and health in Manitoba, Canada. <i>BMJ Open</i> , 2019, 9, e023318.	1.9	1
35	Alpha linolenic acid decreases apoptosis and oxidized phospholipids in cardiomyocytes during ischemia/reperfusion. <i>Molecular and Cellular Biochemistry</i> , 2018, 437, 163-175.	3.1	43
36	The plasma peptides of ovarian cancer. <i>Clinical Proteomics</i> , 2018, 15, 41.	2.1	33

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37	The plasma peptidome. <i>Clinical Proteomics</i> , 2018, 15, 39.	2.1	22
38	Non-mitogenic FGF2 protects cardiomyocytes from acute doxorubicin-induced toxicity independently of the protein kinase CK2/heme oxygenase-1 pathway. <i>Cell and Tissue Research</i> , 2018, 374, 607-617.	2.9	11
39	Oxidized phosphatidylcholines are produced in renal ischemia reperfusion injury. <i>PLoS ONE</i> , 2018, 13, e0195172.	2.5	21
40	Expression of human monolysocardiolipin acyltransferase-1 improves mitochondrial function in Barth syndrome lymphoblasts. <i>Journal of Biological Chemistry</i> , 2018, 293, 7564-7577.	3.4	29
41	Ferroptosis: beating on death's door. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H772-H775.	3.2	5
42	Phosphokinome Analysis of Barth Syndrome Lymphoblasts Identify Novel Targets in the Pathophysiology of the Disease. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2026.	4.1	3
43	Early passaging of mesenchymal stem cells does not instigate significant modifications in their immunological behavior. <i>Stem Cell Research and Therapy</i> , 2018, 9, 121.	5.5	29
44	Linoleic acid derived oxylipins are elevated in kidney and liver and reduced in serum in rats given a high-protein diet. <i>Journal of Nutritional Biochemistry</i> , 2018, 61, 40-47.	4.2	6
45	Amiodarone-induced thyrotoxicosis in heart failure with a reduced ejection fraction: A retrospective cohort study. <i>Health Science Reports</i> , 2018, 1, e36.	1.5	3
46	Glucose Uptake and Triacylglycerol Synthesis Are Increased in Barth Syndrome Lymphoblasts. <i>Lipids</i> , 2017, 52, 161-165.	1.7	11
47	Identification of Oxidized Phosphatidylinositols Present in OxLDL and Human Atherosclerotic Plaque. <i>Lipids</i> , 2017, 52, 11-26.	1.7	15
48	Distinct oxylipin alterations in diverse models of cystic kidney diseases. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017, 1862, 1562-1574.	2.4	29
49	Specific plasma oxylipins increase the odds of cardiovascular and cerebrovascular events in patients with peripheral artery disease. <i>Canadian Journal of Physiology and Pharmacology</i> , 2017, 95, 961-968.	1.4	25
50	Lipoprotein(a)-Associated Molecules Are Prominent Components in Plasma and Valve Leaflets in Calcific Aortic Valve Stenosis. <i>JACC Basic To Translational Science</i> , 2017, 2, 229-240.	4.1	61
51	Iatrogenic Great Cardiac Vein Anastomosis during Coronary Artery Bypass Surgery. <i>International Journal of Angiology</i> , 2017, 26, 201-204.	0.6	2
52	Transcatheter Aortic Valve Implantation in an Extremely Tortuous S-Shaped Aorta. <i>Case Reports in Cardiology</i> , 2017, 2017, 1-3.	0.2	3
53	A Case Of Awake Percutaneous Extracorporeal Membrane Oxygenation For High-risk Percutaneous Coronary Intervention. <i>Cureus</i> , 2017, 9, e1191.	0.5	8
54	Renal Insufficiency and Early Bystander CPR Predict In-Hospital Outcomes in Cardiac Arrest Patients Undergoing Mild Therapeutic Hypothermia and Cardiac Catheterization: Return of Spontaneous Circulation, Cooling, and Catheterization Registry (ROSCCC Registry). <i>Cardiology Research and Practice</i> , 2016, 2016, 1-7.	1.1	6

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55	GuideLiner Balloon Assisted Tracking (GBAT): A New Addition to the Interventional Toolbox. Case Reports in Cardiology, 2016, 2016, 1-4.	0.2	4
56	Arteria Lusoria: An Anomalous Finding during Right Transradial Coronary Intervention. Case Reports in Cardiology, 2016, 2016, 1-3.	0.2	10
57	The Cardioprotective Role of N-Acetyl Cysteine Amide in the Prevention of Doxorubicin and Trastuzumab-Mediated Cardiac Dysfunction. Canadian Journal of Cardiology, 2016, 32, 1513-1519.	1.7	30
58	Venoplasty of a chronic venous occlusion allowing for cardiac device lead placement: A team approach. Indian Pacing and Electrophysiology Journal, 2016, 16, 197-200.	0.6	2
59	Plasma Levels of Advanced Glycation End Products Are Related to the Clinical Presentation and Angiographic Severity of Symptomatic Lower Extremity Peripheral Arterial Disease. International Journal of Angiology, 2016, 25, 044-053.	0.6	3
60	Oxidized Phospholipids on Lipoprotein(a) Elicit Arterial Wall Inflammation and an Inflammatory Monocyte Response in Humans. Circulation, 2016, 134, 611-624.	1.6	396
61	Dietary Flaxseed Reduces Central Aortic Blood Pressure Without Cardiac Involvement but Through Changes in Plasma Oxylipins. Hypertension, 2016, 68, 1031-1038.	2.7	49
62	Diagnosis of Left Ventricular Assist Device Outflow Graft Obstruction Using Intravascular Ultrasound. Circulation: Heart Failure, 2016, 9, .	3.9	7
63	Generation of Bioactive Oxylipins from Exogenously Added Arachidonic, Eicosapentaenoic and Docosahexaenoic Acid in Primary Human Brain Microvessel Endothelial Cells. Lipids, 2016, 51, 591-599.	1.7	39
64	Physiologic significance of coronary collaterals in chronic total occlusions. Canadian Journal of Physiology and Pharmacology, 2015, 93, 867-871.	1.4	17
65	The utility of cardiac biomarkers and echocardiography for the early detection of bevacizumab- and sunitinib-mediated cardiotoxicity. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H692-H701.	3.2	41
66	Awake Extracorporeal Membrane Oxygenation for Very High-Risk Coronary Angioplasty. Canadian Journal of Cardiology, 2015, 31, 227.e11-227.e13.	1.7	8
67	A whole blood-based perfusate provides superior preservation of myocardial function during ex vivo heart perfusion. Journal of Heart and Lung Transplantation, 2015, 34, 113-121.	0.6	71
68	Happiness Can Break Your Heart: A Rare Case of Takotsubo Cardiomyopathy After Good News. Canadian Journal of Cardiology, 2015, 31, 228.e1-228.e2.	1.7	11
69	"Tip-in" technique for retrograde chronic total occlusion revascularization. Journal of Invasive Cardiology, 2015, 27, E62-4.	0.4	13
70	Successful cardiac resuscitation with extracorporeal membrane oxygenation in the setting of persistent ventricular fibrillation: a case report. BMC Research Notes, 2014, 7, 782.	1.4	1
71	Flaxseed Consumption Reduces Blood Pressure in Patients With Hypertension by Altering Circulating Oxylipins via an Ω -3-Linolenic Acid-Induced Inhibition of Soluble Epoxide Hydrolase. Hypertension, 2014, 64, 53-59.	2.7	106
72	Novel Use of the GuideLiner Catheter to Deliver Rotational Atherectomy Burrs in Tortuous Vessels. Case Reports in Cardiology, 2014, 2014, 1-5.	0.2	9

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73	Release and Capture of Bioactive Oxidized Phospholipids and Oxidized Cholesteryl Esters During Percutaneous Coronary and Peripheral Arterial Interventions in Humans. <i>Journal of the American College of Cardiology</i> , 2014, 63, 1961-1971.	2.8	88
74	Multimodality Imaging of a Cardiac Pheochromocytoma. <i>Journal of the American College of Cardiology</i> , 2014, 63, e189.	2.8	1
75	Elevated levels of pro-inflammatory oxylipins in older subjects are normalized by flaxseed consumption. <i>Experimental Gerontology</i> , 2014, 59, 51-57.	2.8	61
76	Congenital Absence of Nitric Oxide Synthase 3 Potentiates Cardiac Dysfunction and Reduces Survival in Doxorubicin- and Trastuzumab-Mediated Cardiomyopathy. <i>Canadian Journal of Cardiology</i> , 2014, 30, 359-367.	1.7	19
77	Radiation Dose Reduction in the Cardiac Catheterization Laboratory Utilizing a Novel Protocol. <i>JACC: Cardiovascular Interventions</i> , 2014, 7, 550-557.	2.9	62
78	An Unusual Cause of Ventricular Tachycardia: Port-A-Cath Fracture and Embolization into the Pulmonary Artery. <i>Heart International</i> , 2014, 9, HEART.2014.1250.	1.4	4
79	Abstract 545: Generation of Oxidized Phosphatidylcholines During Hypoxia-Reoxygenation Triggers Cell Death of Postnatal Cardiac Myocytes. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, .	2.4	0
80	An unusual cause of ventricular tachycardia: Port-A-Cath fracture and embolization into the pulmonary artery. <i>Heart International</i> , 2014, 9, 30-2.	1.4	2
81	A cardioprotective preservation strategy employing ex vivo heart perfusion facilitates successful transplant of donor hearts after cardiocirculatory death. <i>Journal of Heart and Lung Transplantation</i> , 2013, 32, 734-743.	0.6	81
82	The Role of Tissue Doppler Imaging in Predicting Left Ventricular Filling Pressures in Patients Undergoing Cardiac Surgery: An Intraoperative Study. <i>Echocardiography</i> , 2013, 30, 271-278.	0.9	9
83	Role of oxidized phospholipids in cardiovascular pathology. <i>Clinical Lipidology</i> , 2013, 8, 205-215.	0.4	8
84	Polyoxygenated Cholesterol Ester Hydroperoxide Activates TLR4 and SYK Dependent Signaling in Macrophages. <i>PLoS ONE</i> , 2013, 8, e83145.	2.5	44
85	A targeted lipidomic analysis of renal oxylipins in kidney disease reveals differences in the effects of dietary flax compared to fish oil. <i>FASEB Journal</i> , 2013, 27, 1073.8.	0.5	0
86	Differential expression of oxidation-specific epitopes and apolipoprotein(a) in progressing and ruptured human coronary and carotid atherosclerotic lesions. <i>Journal of Lipid Research</i> , 2012, 53, 2773-2790.	4.2	131
87	The acutely occluded left main coronary artery culprit in cardiogenic shock and initial percutaneous coronary intervention: a substudy of the Manitoba acute left main PCI registry. <i>Canadian Journal of Physiology and Pharmacology</i> , 2012, 90, 1325-1331.	1.4	7
88	Successful treatment of in-stent restenosis of a covered stent graft with a paclitaxel-eluting stent. <i>Journal of Cardiology Cases</i> , 2011, 4, e13-e15.	0.5	1
89	Percutaneous Intervention of an Acute Left Main Coronary Occlusion Due to Dissection of the Aortic Root. <i>JACC: Cardiovascular Interventions</i> , 2011, 4, 713-715.	2.9	10
90	Relationship of IgG and IgM autoantibodies and immune complexes to oxidized LDL with markers of oxidation and inflammation and cardiovascular events: results from the EPIC-Norfolk Study. <i>Journal of Lipid Research</i> , 2011, 52, 1829-1836.	4.2	113

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91	Stroke prevention in patients with atrial fibrillation: The diagnosis and management of hypertension by specialists. <i>Canadian Journal of Cardiology</i> , 2006, 22, 485-488.	1.7	9
92	1-O-alkyl-2-(3-oxo)acyl-sn-glycerols from shark oil and human milk fat are potential precursors of PAF mimics and GHB. <i>Lipids</i> , 2006, 41, 679-693.	1.7	17
93	Covalent Binding of Acetone to Aminophospholipids in Vitro and in Vivo. <i>Annals of the New York Academy of Sciences</i> , 2005, 1043, 417-439.	3.8	12
94	Phospholipids and oxophospholipids in atherosclerotic plaques at different stages of plaque development. <i>Lipids</i> , 2004, 39, 97-109.	1.7	74
95	Cytoskeleton Interactions Involved in the Assembly and Function of Glycoprotein-80 Adhesion Complexes in Dictyostelium. <i>Journal of Biological Chemistry</i> , 2003, 278, 2614-2623.	3.4	14
96	Formation of apolipoprotein A1 phosphatidylcholine core aldehyde Schiff base adducts promotes uptake by THP-1 macrophages. <i>Cardiovascular Research</i> , 2003, 58, 712-720.	3.8	20
97	Oxidative Stress Is Markedly Elevated in Lecithin:Cholesterol Acyltransferase-deficient Mice and Is Paradoxically Reversed in the Apolipoprotein E Knockout Background in Association with a Reduction in Atherosclerosis. <i>Journal of Biological Chemistry</i> , 2002, 277, 11715-11720.	3.4	55
98	Multiple Substrates for Paraoxonase-1 during Oxidation of Phosphatidylcholine by Peroxynitrite. <i>Biochemical and Biophysical Research Communications</i> , 2002, 290, 391-396.	2.1	84
99	Structural and compositional changes in very low density lipoprotein triacylglycerols during basal lipolysis. <i>FEBS Journal</i> , 2002, 269, 6223-6232.	0.2	10
100	Core aldehydes of alkyl glycerophosphocholines in atheroma induce platelet aggregation and inhibit endothelium-dependent arterial relaxation. <i>Journal of Lipid Research</i> , 2002, 43, 158-166.	4.2	27
101	Core aldehydes of alkyl glycerophosphocholines in atheroma induce platelet aggregation and inhibit endothelium-dependent arterial relaxation. <i>Journal of Lipid Research</i> , 2002, 43, 158-66.	4.2	24
102	Differential effects of pentaerythritol tetranitrate and nitroglycerin on the development of tolerance and evidence of lipid peroxidation: a human in vivo study. <i>Journal of the American College of Cardiology</i> , 2001, 38, 854-859.	2.8	127
103	Regiospecific analysis of neutral ether lipids by liquid chromatography/electrospray ionization/single quadrupole mass spectrometry: validation with synthetic compounds. <i>Journal of Mass Spectrometry</i> , 2001, 36, 1116-1124.	1.6	25
104	Assembly of Glycoprotein-80 Adhesion Complexes in Dictyostelium. <i>Journal of Biological Chemistry</i> , 2001, 276, 48764-48774.	3.4	21
105	Involvement of a Triton-insoluble Floating Fraction in Dictyostelium Cell-Cell Adhesion. <i>Journal of Biological Chemistry</i> , 2001, 276, 18640-18648.	3.4	27
106	Apolipoprotein A-I Promotes the Formation of Phosphatidylcholine Core Aldehydes That Are Hydrolyzed by Paraoxonase (PON-1) during High Density Lipoprotein Oxidation with a Peroxynitrite Donor. <i>Journal of Biological Chemistry</i> , 2001, 276, 24473-24481.	3.4	127
107	Blockade of endothelin receptors markedly reduces atherosclerosis in LDL receptor deficient mice: role of endothelin in macrophage foam cell formation. <i>Cardiovascular Research</i> , 2000, 48, 158-167.	3.8	72
108	Glucosylated Glycerophosphoethanolamines are the Major LDL Glycation Products and Increase LDL Susceptibility to Oxidation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2000, 20, 467-477.	2.4	71

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109	Glycated Phosphatidylethanolamine Promotes Macrophage Uptake of Low Density Lipoprotein and Accumulation of Cholesteryl Esters and Triacylglycerols. <i>Journal of Biological Chemistry</i> , 1999, 274, 16494-16500.	3.4	45
110	Rapid analysis of oxidized cholesterol derivatives by high-performance liquid chromatography combined with diode-array ultraviolet and evaporative laser light-scattering detection. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 1999, 76, 863-871.	1.9	20
111	Fas-Induced Apoptosis in Rat Thecal/Interstitial Cells Signals Through Sphingomyelin-Ceramide Pathway*. <i>Endocrinology</i> , 1998, 139, 2041-2047.	2.8	46
112	Evidence That Apolipoprotein A-I ^{Milano} Has Reduced Capacity, Compared With Wild-Type Apolipoprotein A-I, to Recruit Membrane Cholesterol. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997, 17, 1637-1643.	2.4	28
113	Determination of lipid ester ozonides and core aldehydes by high-performance liquid chromatography with on-line mass spectrometry. <i>Journal of Proteomics</i> , 1995, 30, 271-285.	2.4	70