

# Joseph A Didonato

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

15,392  
citations

304743

22  
h-index

454955

30  
g-index

32  
all docs

32  
docs citations

32  
times ranked

17959  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gut flora metabolism of phosphatidylcholine promotes cardiovascular disease. <i>Nature</i> , 2011, 472, 57-63.	27.8	4,238
2	Intestinal microbiota metabolism of l-carnitine, a nutrient in red meat, promotes atherosclerosis. <i>Nature Medicine</i> , 2013, 19, 576-585.	30.7	3,355
3	A cytokine-responsive $\text{I}\beta\text{B}$ kinase that activates the transcription factor $\text{NF-}\beta\text{B}$ . <i>Nature</i> , 1997, 388, 548-554.	27.8	2,056
4	Gut Microbial Metabolite TMAO Enhances Platelet Hyperreactivity and Thrombosis Risk. <i>Cell</i> , 2016, 165, 111-124.	28.9	1,358
5	$\text{NF-}\beta\text{B}$ and the link between inflammation and cancer. <i>Immunological Reviews</i> , 2012, 246, 379-400.	6.0	1,287
6	Non-lethal Inhibition of Gut Microbial Trimethylamine Production for the Treatment of Atherosclerosis. <i>Cell</i> , 2015, 163, 1585-1595.	28.9	974
7	$\beta\text{-}$ Butyrobetaine Is a Proatherogenic Intermediate in Gut Microbial Metabolism of L-Carnitine to TMAO. <i>Cell Metabolism</i> , 2014, 20, 799-812.	16.2	416
8	Development of a gut microbe-targeted nonlethal therapeutic to inhibit thrombosis potential. <i>Nature Medicine</i> , 2018, 24, 1407-1417.	30.7	383
9	An abundant dysfunctional apolipoprotein A1 in human atheroma. <i>Nature Medicine</i> , 2014, 20, 193-203.	30.7	316
10	Gut microbiota metabolites, amino acid metabolites and improvements in insulin sensitivity and glucose metabolism: the POUNDS Lost trial. <i>Gut</i> , 2019, 68, 263-270.	12.1	123
11	Untargeted metabolomics identifies trimethyllysine, a TMAO-producing nutrient precursor, as a predictor of incident cardiovascular disease risk. <i>JCI Insight</i> , 2018, 3, .	5.0	122
12	Microbial Transplantation With Human Gut Commensals Containing CutC Is Sufficient to Transmit Enhanced Platelet Reactivity and Thrombosis Potential. <i>Circulation Research</i> , 2018, 123, 1164-1176.	4.5	122
13	Function and Distribution of Apolipoprotein A1 in the Artery Wall Are Markedly Distinct From Those in Plasma. <i>Circulation</i> , 2013, 128, 1644-1655.	1.6	98
14	Double Superhelix Model of High Density Lipoprotein. <i>Journal of Biological Chemistry</i> , 2009, 284, 36605-36619.	3.4	85
15	Site-specific Nitration of Apolipoprotein A-I at Tyrosine 166 Is Both Abundant within Human Atherosclerotic Plaque and Dysfunctional. <i>Journal of Biological Chemistry</i> , 2014, 289, 10276-10292.	3.4	84
16	Apolipoprotein A-I and Cancer. <i>Frontiers in Pharmacology</i> , 2015, 6, 265.	3.5	71
17	The Low Resolution Structure of ApoA1 in Spherical High Density Lipoprotein Revealed by Small Angle Neutron Scattering. <i>Journal of Biological Chemistry</i> , 2011, 286, 12495-12508.	3.4	50
18	Acute exposure to apolipoprotein A1 inhibits macrophage chemotaxis in vitro and monocyte recruitment in vivo. <i>ELife</i> , 2016, 5, .	6.0	50

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19	Congruency between Biophysical Data from Multiple Platforms and Molecular Dynamics Simulation of the Double-Super Helix Model of Nascent High-Density Lipoprotein. <i>Biochemistry</i> , 2010, 49, 7323-7343.	2.5	34
20	Effects of resveratrol on gene expression in renal cell carcinoma. <i>Cancer Biology and Therapy</i> , 2004, 3, 882-888.	3.4	28
21	Myeloperoxidase-mediated protein lysine oxidation generates 2-aminoadipic acid and lysine nitrile in vivo. <i>Free Radical Biology and Medicine</i> , 2017, 104, 20-31.	2.9	28
22	Myeloid-specific genetic ablation of ATP-binding cassette transporter ABCA1 is protective against cancer. <i>Oncotarget</i> , 2017, 8, 71965-71980.	1.8	26
23	Nitrosylcobalamin Potentiates the Anti-Neoplastic Effects of Chemotherapeutic Agents via Suppression of Survival Signaling. <i>PLoS ONE</i> , 2007, 2, e1313.	2.5	21
24	The low-resolution structure of nHDL reconstituted with DMPC with and without cholesterol reveals a mechanism for particle expansion. <i>Journal of Lipid Research</i> , 2013, 54, 966-983.	4.2	18
25	The Nutritional Supplement L-Alpha Glycerolphosphorylcholine Promotes Atherosclerosis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13477.	4.1	16
26	Plasma levels of high density lipoprotein cholesterol and outcomes in chronic thromboembolic pulmonary hypertension. <i>PLoS ONE</i> , 2018, 13, e0197700.	2.5	14
27	Abnormal levels of apolipoprotein A $\epsilon$ in chronic thromboembolic pulmonary hypertension. <i>Pulmonary Circulation</i> , 2021, 11, 1-7.	1.7	6
28	Nitric Oxide Inhibits NF- $\kappa$ B-mediated Survival Signaling: Possible Role in Overcoming TRAIL Resistance. <i>Anticancer Research</i> , 2020, 40, 6751-6763.	1.1	5
29	The pattern of apolipoprotein A-I lysine carbamylation reflects its lipidation state and the chemical environment within human atherosclerotic aorta. <i>Journal of Biological Chemistry</i> , 2022, 298, 101832.	3.4	4
30	Protein Backbone and Average Particle Dynamics in Reconstituted Discoidal and Spherical HDL Probed by Hydrogen Deuterium Exchange and Elastic Incoherent Neutron Scattering. <i>Biomolecules</i> , 2020, 10, 121.	4.0	2
31	Pulsed-electromagnetic-field induced osteoblast differentiation requires activation of genes downstream of adenosine receptors A2A and A3. <i>PLoS ONE</i> , 2021, 16, e0247659.	2.5	2