# Maria Dolores Herrera Gonzalez

List of Publications by Year
in descending order



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|---|---|---|---|
| 78 papers | 2,287 citations | 172386 29 h-index | 223716 46 g-index |
| 79 all docs | 79 docs citations | 79 times ranked | 3372 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Endothelial dysfunction and aging: An update. Ageing Research Reviews, 2010, 9, 142-152. | 5.0 | 252 |
| 2 | Effects of flavonoids on rat aortic smooth muscle contractility: Structure-activity relationships. General Pharmacology, 1996, 27, 273-277. | 0.7 | 106 |
| 3 | Potential vasorelaxant effects of oleanolic acid and erythrodiol, two triterpenoids contained in â€˜orujoâ€™ olive oil, on rat aorta. British Journal of Nutrition, 2004, 92, 635-642. | 1.2 | 104 |
| 4 | Vasorelaxant effects of harmine and harmaline extracted from Peganum harmala L. seed's in isolated rat aorta. Pharmacological Research, 2006, 54, 150-157. | 3.1 | 102 |
| 5 | Triterpenic Compounds from â€œOrujoâ€•Olive Oil Elicit Vasorelaxation in Aorta from Spontaneously Hypertensive Rats. Journal of Agricultural and Food Chemistry, 2006, 54, 2096-2102. | 2.4 | 89 |
| 6 | A pharmacological study of Cecropia obtusifolia Bertol aqueous extract. Journal of Ethnopharmacology, 2001, 76, 279-284. | 2.0 | 73 |
| 7 | Simvastatin improves endothelial function in spontaneously hypertensive rats through a superoxide dismutase mediated antioxidant effect. Journal of Hypertension, 2002, 20, 429-437. | 0.3 | 63 |
| 8 | Pomace Olive Oil Improves Endothelial Function in Spontaneously Hypertensive Rats by Increasing Endothelial Nitric Oxide Synthase Expression. American Journal of Hypertension, 2007, 20, 728-734. | 1.0 | 63 |
| 9 | Pharmacological effects and clinical applications of propionyl-L-carnitine. Nutrition Reviews, 2011, 69, 279-290. | 2.6 | 62 |
| 10 | Argan (Argania spinosa) oil lowers blood pressure and improves endothelial dysfunction in spontaneously hypertensive rats. British Journal of Nutrition, 2004, 92, 921-929. | 1.2 | 58 |
| 11 | Ferulic acid, a bioactive component of rice bran, improves oxidative stress and mitochondrial biogenesis and dynamics in mice and in human mononuclear cells. Journal of Nutritional Biochemistry, 2017, 48, 51-61. | 1.9 | 58 |
| 12 | Oleanolic acid induces relaxation and calciumâ€independent release of endotheliumâ€derived nitric oxide. British Journal of Pharmacology, 2008, 155, 535-546. | 2.7 | 57 |
| 13 | Characterization of endothelial factors involved in the vasodilatory effect of simvastatin in aorta and small mesenteric artery of the rat. British Journal of Pharmacology, 2000, 131, 1179-1187. | 2.7 | 54 |
| 14 | Rice bran enzymatic extract restores endothelial function and vascular contractility in obese rats by reducing vascular inflammation and oxidative stress. Journal of Nutritional Biochemistry, 2013, 24, 1453-1461. | 1.9 | 53 |
| 15 | L-carnitine and propionyl-L-carnitine improve endothelial dysfunction in spontaneously hypertensive rats: Different participation of NO and COX-products. Life Sciences, 2005, 77, 2082-2097. | 2.0 | 52 |
| 16 | Water-soluble rice bran enzymatic extract attenuates dyslipidemia, hypertension and insulin resistance in obese Zucker rats. European Journal of Nutrition, 2013, 52, 789-797. | 1.8 | 51 |
| 17 | In vitro scavenger and antioxidant properties of hesperidin and neohesperidin dihydrochalcone. Phytomedicine, 1998, 5, 469-473. | 2.3 | 50 |
| 18 | Effects of dietary oleic-rich oils (virgin olive and high-oleic-acid sunflower) on vascular reactivity in Wistar-Kyoto and spontaneously hypertensive rats. British Journal of Nutrition, 2001, 86, 349-357. | 1.2 | 50 |

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|---|---|---|---|
| 19 | Oleanolic Acid Induces Prostacyclin Release in Human Vascular Smooth Muscle Cells through a Cyclooxygenase-2-Dependent Mechanism. Journal of Nutrition, 2008, 138, 443-448. | 1.3 | 49 |
| 20 | Rice bran enzymatic extractâ€“supplemented diets modulate adipose tissue inflammation markers in Zucker rats. Nutrition, 2014, 30, 466-472. | 1.1 | 47 |
| 21 | Contribution of ferulic acid, Î³-oryzanol and tocotrienols to the cardiometabolic protective effects of rice bran. Journal of Functional Foods, 2017, 32, 58-71. | 1.6 | 44 |
| 22 | Rice bran prevents high-fat diet-induced inflammation and macrophage content in adipose tissue. European Journal of Nutrition, 2016, 55, 2011-2019. | 1.8 | 41 |
| 23 | Endothelium-dependent vasodilator and antioxidant properties of a novel enzymatic extract of grape pomace from wine industrial waste. Food Chemistry, 2012, 135, 1044-1051. | 4.2 | 40 |
| 24 | Effects of chronic treatment with simvastatin on endothelial dysfunction in spontaneously hypertensive rats. Journal of Hypertension, 1999, 17, 769-776. | 0.3 | 34 |
| 25 | Propionyl-L-carnitine Corrects Metabolic and Cardiovascular Alterations in Diet-Induced Obese Mice and Improves Liver Respiratory Chain Activity. PLoS ONE, 2012, 7, e34268. | 1.1 | 34 |
| 26 | Effects of pomace olive oil-enriched diets on endothelial function of small mesenteric arteries from spontaneously hypertensive rats. British Journal of Nutrition, 2009, 102, 1435-1444. | 1.2 | 32 |
| 27 | Functional Properties of Pentacyclic Triterpenes Contained in "Orujo" Olive Oil. Current Nutrition and Food Science, 2006, 2, 45-49. | 0.3 | 31 |
| 28 | Hesperidin and Neohesperidin Dihydrochalcone on Different Experimental Models of Induced Gastric Ulcer. Phytotherapy Research, 1996, 10, 616-618. | 2.8 | 30 |
| 29 | Effect of L-Carnitine and Propionyl-L-Carnitine on Endothelial Function of Small Mesenteric Arteries from SHR. Journal of Vascular Research, 2007, 44, 354-364. | 0.6 | 30 |
| 30 | l-carnitine and its propionate: Improvement of endothelial function in SHR through superoxide dismutase-dependent mechanisms. Free Radical Research, 2007, 41, 884-891. | 1.5 | 28 |
| 31 | Critical update for the clinical use of L-carnitine analogs in cardiometabolic disorders. Vascular Health and Risk Management, 2011, 7, 169. | 1.0 | 28 |
| 32 | Effect of simvastatin on vascular smooth muscle responsiveness: involvement of Ca2+ homeostasis. European Journal of Pharmacology, 2001, 415, 217-224. | 1.7 | 27 |
| 33 | Effects of Simvastatin on Endothelial Function After Chronic Inhibition of Nitric Oxide Synthase by l-NAME. Journal of Cardiovascular Pharmacology, 2003, 42, 204-210. | 0.8 | 26 |
| 34 | Effects of HMG-CoA Reductase Inhibition by Simvastatin on Vascular Dysfunction Induced by Lipopolysaccharide in Rats. Pharmacology, 2008, 82, 89-96. | 0.9 | 23 |
| 35 | Oral supplementation of propionyl-<scp>l</scp>-carnitine reduces body weight and hyperinsulinaemia in obese Zucker rats. British Journal of Nutrition, 2009, 102, 1145-1153. | 1.2 | 23 |
| 36 | Effects of Genistein, An Isoflavone Isolated fromGenista tridentata, on Isolated Guinea-Pig Ileum and Guinea-Pig Ileal Myenteric Plexus. Planta Medica, 1992, 58, 314-316. | 0.7 | 22 |

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|---|---|---|---|
| 37 | Bioavailability of the ferulic acid-derived phenolic compounds of a rice bran enzymatic extract and their activity against superoxide production. Food and Function, 2017, 8, 2165-2174. | 2.1 | 22 |
| 38 | Pomace Olive Oil Concentrated in Triterpenic Acids Restores Vascular Function, Glucose Tolerance and Obesity Progression in Mice. Nutrients, 2020, 12, 323. | 1.7 | 22 |
| 39 | Effects of Chronic Treatment With the CB1 Antagonist, Rimonabant on the Blood Pressure, and Vascular Reactivity of Obese Zucker Rats. Obesity, 2009, 17, 1340-1347. | 1.5 | 19 |
| 40 | Endothelium-dependent vasorelaxation induced by L-carnitine in isolated aorta from normotensive and hypertensive rats. Journal of Pharmacy and Pharmacology, 2010, 54, 1423-1427. | 1.2 | 18 |
| 41 | Microvascular disorders in obese Zucker rats are restored by a rice bran diet. Nutrition, Metabolism and Cardiovascular Diseases, 2014, 24, 524-531. | 1.1 | 18 |
| 42 | SPASMOLYTIC EFFECTS OF TETRAZEPAM ON RAT DUODENUM AND GUINEA-PIG ILEUM. Pharmacological Research, 1997, 35, 493-497. | 3.1 | 17 |
| 43 | Influence of pharmaceutical care on the delayed emesis associated with chemotherapy. International Journal of Clinical Pharmacy, 2014, 36, 287-290. | 1.0 | 17 |
| 44 | Cardiovascular Effects of Lovastatin in Normotensive and Spontaneously Hypertensive Rats. General Pharmacology, 1998, 30, 331-336. | 0.7 | 16 |
| 45 | Cell-based microfluidic device for screening anti-proliferative activity of drugs in vascular smooth muscle cells. Biomedical Microdevices, 2012, 14, 1129-1140. | 1.4 | 16 |
| 46 | Regulation of Vascular Tone from Spontaneously Hypertensive Rats by the HMG-CoA Reductase Inhibitor, Simvastatin. Pharmacology, 2005, 74, 209-215. | 0.9 | 15 |
| 47 | Spasmolytic action of the essential oil ofAchillea ageratum L. in rats. Phytotherapy Research, 1995, 9, 150-152. | 2.8 | 13 |
| 48 | Structural, mechanical and myogenic properties of small mesenteric arteries from ApoE KO mice: Characterization and effects of virgin olive oil diets. Atherosclerosis, 2015, 238, 55-63. | 0.4 | 13 |
| 49 | Food supplementation with rice bran enzymatic extract prevents vascular apoptosis and atherogenesis in ApoEâ^'/â^' mice. European Journal of Nutrition, 2017, 56, 225-236. | 4.6 | 13 |
| 50 | Rice bran enzymatic extract reduces atherosclerotic plaque development and steatosis in high-fat fed ApoEâ^'/â^' mice. Nutrition, 2017, 37, 22-29. | 1.1 | 13 |
| 51 | Phenolic content of extra virgin olive oil is essential to restore endothelial dysfunction but not to prevent vascular inflammation in atherosclerotic lesions of Apo E deficient mice. Journal of Functional Foods, 2015, 15, 126-136. | 1.6 | 9 |
| 52 | Atherosclerosis-related inflammation and oxidative stress are improved by rice bran enzymatic extract. Journal of Functional Foods, 2016, 26, 610-621. | 1.6 | 8 |
| 53 | Action of tacrine on muscarinic receptors in rat intestinal smooth muscle. Autonomic and Autacoid Pharmacology, 2008, 21, 113-119. | 0.7 | 7 |
| 54 | Days Needed for the Disappearance of a Cough Due to the Use of an Angiotensinâ€Converting Enzyme Inhibitor and Identification of Predisposing Factors Associated With Its Appearance in a Clinical Cohort of Hypertensive Patients. Journal of Clinical Pharmacology, 2021, 61, 591-597. | 1.0 | 6 |

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|---|---|---|---|
| 55 | Effect of naringin and naringenin on contractions induced by noradrenaline in rat vas deferensâ€"I. Evidence for postsynaptic alpha-2 adrenergic receptor. General Pharmacology, 1993, 24, 739-742. | 0.7 | 5 |
| 56 | VASODILATING EFFECTS OF TETRAZEPAM IN ISOLATED VASCULAR SMOOTH MUSCLES: COMPARISON WITH CROMAKALIM AND DILTIAZEM. Pharmacological Research, 1997, 36, 237-242. | 3.1 | 5 |
| 57 | Endothelium Modulates Contractile Response to Simvastatin in Rat Aorta. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2000, 55, 121-124. | 0.6 | 5 |
| 58 | Relaxant Effect of Tetrazepam on Rat Uterine Smooth Muscle: Role of Calcium Movement. Journal of Pharmacy and Pharmacology, 2011, 48, 1169-1173. | 1.2 | 5 |
| 59 | Diet supplementation with rice bran enzymatic extract restores endothelial impairment and wall remodelling of ApoEâ¯/â¯ mice microvessels. Atherosclerosis, 2016, 250, 15-22. | 0.4 | 5 |
| 60 | Chronic Treatment With the Cannabinoid 1 Antagonist Rimonabant Altered Vasoactive Cyclo-oxygenase-Derived Products on Arteries From Obese Zucker Rats. Journal of Cardiovascular Pharmacology, 2010, 56, 560-569. | 0.8 | 3 |
| 61 | Pomace Olive Oil Enriched In Oleanolic Acid Improves Diet-Induced Obesity And Exerts Protective Effects In Vascular Dysfunction And Metabolic Parameters. Atherosclerosis, 2019, 287, e132. | 0.4 | 3 |
| 62 | Pharmacological Actions of Naringin on Alpha, Beta-adrenoceptors and Uptake of Noradrenaline in Rat Isolated Vas Deferens. Phytotherapy Research, 1996, 10, 523-525. | 2.8 | 2 |
| 63 | Effects ofIxanthus viscosusExtracts on the Central Nervous System. Planta Medica, 1995, 61, 71-72. | 0.7 | 1 |
| 64 | Smooth muscle relaxant effects of tetrazepam on isolated guinea-pig and rat trachealis. Autonomic and Autacoid Pharmacology, 1996, 16, 105-110. | 0.7 | 1 |
| 65 | Uterine Relaxant Effect of Zolpidem: A Comparison with Other Smooth Muscle Relaxants. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1997, 52, 687-693. | 0.6 | 1 |
| 66 | W09-P-018 Oleanolic acid, a component in residues. Atherosclerosis Supplements, 2005, 6, 44. | 1.2 | 0 |
| 67 | Oleaster, a new virgin olive oil protects against atherosclerotic process in apoe ko mice by reducing inflammatory mediators and superoxide production. Atherosclerosis, 2014, 235, e156. | 0.4 | 0 |
| 68 | Opto-mechanical microbridles for the determination of structural and functional properties of small resistance arteries. , 2014, , . | | 0 |
| 69 | Rice bran enzymatic extract reduces oxidative stress and restores mesenteric endothelium dependant dilatation in apo e (-/-) mice. Atherosclerosis, 2014, 235, e250. | 0.4 | 0 |
| 70 | Virgin olive oil restores structural, myogenic and functional alterations of small mesenteric arteries from apoe ko mice. Atherosclerosis, 2014, 235, e112-e113. | 0.4 | 0 |
| 71 | Rice bran enzymatic extract prevents atherosclerotic plaque development through its hipolipidemic and antiinflamatory effects. Atherosclerosis, 2015, 241, e86. | 0.4 | 0 |
| 72 | Specific requirements regarding module 4. Pharmaceuticals Policy and Law, 2015, 17, 265-270. | 0.1 | 0 |

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|---|---|---|---|
| 73 | Non-clinical reports. Pharmaceuticals Policy and Law, 2015, 17, 91-100. | 0.1 | 0 |
| 74 | Increased oxidative stress and impaired mitochondrial biogenesis and dynamics are improved by rice bran enzymatic extract diet supplementation. Atherosclerosis, 2016, 252, e209. | 0.4 | 0 |
| 75 | Ferulic acid from rice bran enzymatic extract is responsible for antioxidant and anti-inflammatory activities. Atherosclerosis, 2016, 252, e97. | 0.4 | 0 |
| 76 | Rice bran enzymatic extract, a source of ferulic acid, protects endothelial function and inhibits NADPHox activity. Atherosclerosis, 2017, 263, e76-e77. | 0.4 | 0 |
| 77 | Response to Letter to the Editor From Dr. Cimolai. Journal of Clinical Pharmacology, 2021, 61, 1253-1253. | 1.0 | 0 |
| 78 | ARGAN OIL LOWERS BLOOD PRESSURE AND IMPROVES ENDOTHELIAL DYSFUNCTION IN SPONTANEOUSLY HYPERTENSIVE RATS. Journal of Hypertension, 2004, 22, S338-S339. | 0.3 | 0 |