

# Jeannette Vasquez-Vivar

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

1,642  
citations

471509

17  
h-index

610901

24  
g-index

28  
all docs

28  
docs citations

28  
times ranked

2041  
citing authors

#	ARTICLE	IF	CITATIONS
1	Endothelial Nitric Oxide Synthase-Dependent Superoxide Generation from Adriamycin. <i>Biochemistry</i> , 1997, 36, 11293-11297.	2.5	331
2	The Role of Tetrahydrobiopterin in Superoxide Generation from eNOS: Enzymology and Physiological Implications. <i>Free Radical Research</i> , 2003, 37, 121-127.	3.3	190
3	The ratio between tetrahydrobiopterin and oxidized tetrahydrobiopterin analogues controls superoxide release from endothelial nitric oxide synthase: an EPR spin trapping study. <i>Biochemical Journal</i> , 2002, 362, 733.	3.7	186
4	Superoxide anion formation from lucigenin: an electron spin resonance spin-trapping study. <i>FEBS Letters</i> , 1997, 403, 127-130.	2.8	176
5	Detection of superoxide anion using an isotopically labeled nitron spin trap: potential biological applications. <i>FEBS Letters</i> , 2000, 473, 58-62.	2.8	143
6	Altered Tetrahydrobiopterin Metabolism in Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002, 22, 1655-1661.	2.4	115
7	Tetrahydrobiopterin, superoxide, and vascular dysfunction. <i>Free Radical Biology and Medicine</i> , 2009, 47, 1108-1119.	2.9	78
8	Detection and Characterization of Reactive Oxygen and Nitrogen Species in Biological Systems by Monitoring Species-Specific Products. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 1416-1432.	5.4	70
9	Platelet CD36 promotes thrombosis by activating redox sensor ERK5 in hyperlipidemic conditions. <i>Blood</i> , 2017, 129, 2917-2927.	1.4	64
10	Rap1 promotes endothelial mechanosensing complex formation, $\text{NO}$ release and normal endothelial function. <i>EMBO Reports</i> , 2015, 16, 628-637.	4.5	42
11	Soluble Fms-Like Tyrosine Kinase-1 Alters Cellular Metabolism and Mitochondrial Bioenergetics in Preeclampsia. <i>Frontiers in Physiology</i> , 2018, 9, 83.	2.8	30
12	Tetrahydrobiopterin in the prevention of hypertonia in hypoxic fetal brain. <i>Annals of Neurology</i> , 2009, 66, 323-331.	5.3	26
13	Ascending Lipopolysaccharide-Induced Intrauterine Inflammation in Near-Term Rabbits Leading to Newborn Neurobehavioral Deficits. <i>Developmental Neuroscience</i> , 2018, 40, 534-546.	2.0	26
14	Tetrahydrobiopterin in Cell Function and Death Mechanisms. <i>Antioxidants and Redox Signaling</i> , 2022, 37, 171-183.	5.4	25
15	Endothelial Rap1 (Ras-Association Proximate 1) Restricts Inflammatory Signaling to Protect From the Progression of Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 638-650.	2.4	24
16	Tetrahydrobiopterin in antenatal brain hypoxia-ischemia-induced motor impairments and cerebral palsy. <i>Redox Biology</i> , 2017, 13, 594-599.	9.0	23
17	Nitric oxide synthases-from genes to function. <i>Nitric Oxide - Biology and Chemistry</i> , 2017, 63, 29.	2.7	19
18	Neuronal vulnerability to fetal hypoxia-reoxygenation injury and motor deficit development relies on regional brain tetrahydrobiopterin levels. <i>Redox Biology</i> , 2020, 29, 101407.	9.0	18

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19	Transgenic overexpression of GTP cyclohydrolase 1 in cardiomyocytes ameliorates post-infarction cardiac remodeling. <i>Scientific Reports</i> , 2017, 7, 3093.	3.3	15
20	Cytokines and lipopolysaccharides induce inducible nitric oxide synthase but not enzyme activity in adult rat cardiomyocytes. <i>Free Radical Biology and Medicine</i> , 2008, 45, 994-1001.	2.9	14
21	Developmental susceptibility of neurons to transient tetrahydrobiopterin insufficiency and antenatal hypoxia is ischemia in fetal rabbits. <i>Free Radical Biology and Medicine</i> , 2014, 67, 426-436.	2.9	9
22	Spin-Labeled Small Unilamellar Vesicles with the T1-Sensitive Saturation-Recovery EPR Display as an Oxygen-Sensitive Analyte for Measurement of Cellular Respiration. <i>Applied Magnetic Resonance</i> , 2015, 46, 885-895.	1.2	6
23	In vivo vascular rarefaction and hypertension induced by dexamethasone are related to phosphatase PTP1B activation not endothelial metabolic changes. <i>Free Radical Biology and Medicine</i> , 2020, 152, 689-696.	2.9	6
24	Treatment of Cells and Tissues with Chromate Maximizes Mitochondrial 2Fe2S EPR Signals. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1143.	4.1	5
25	Distinct Signaling Functions of Rap1 Isoforms in NO Release From Endothelium. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 687598.	3.7	1
26	Identification and Functional Characterization of Phosphorylation Sites on GTP cyclohydrolase I. <i>FASEB Journal</i> , 2009, 23, 628.3.	0.5	0
27	Cardiac-specific overexpression of GTP cyclohydrolase 1 ameliorates cardiac dysfunction and remodeling after myocardial infarction. <i>FASEB Journal</i> , 2012, 26, 1114.9.	0.5	0