

# Ana Victoria Villar

## List of Publications by Year in descending order

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33  
papers

1,333  
citations

430442

18  
h-index

454577

30  
g-index

33  
all docs

33  
docs citations

33  
times ranked

2549  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biological membranes in EV biogenesis, stability, uptake, and cargo transfer: an ISEV position paper arising from the ISEV membranes and EVs workshop. <i>Journal of Extracellular Vesicles</i> , 2019, 8, 1684862.	5.5	177
2	Myocardial and circulating levels of microRNA-21 reflect left ventricular fibrosis in aortic stenosis patients. <i>International Journal of Cardiology</i> , 2013, 167, 2875-2881.	0.8	126
3	Sphingomyelinase Activity Causes Transbilayer Lipid Translocation in Model and Cell Membranes. <i>Journal of Biological Chemistry</i> , 2003, 278, 37169-37174.	1.6	107
4	Associations of B- and C-Raf with Cholesterol, Phosphatidylserine, and Lipid Second Messengers. <i>Journal of Biological Chemistry</i> , 2002, 277, 24090-24102.	1.6	90
5	Gender differences of echocardiographic and gene expression patterns in human pressure overload left ventricular hypertrophy. <i>Journal of Molecular and Cellular Cardiology</i> , 2009, 46, 526-535.	0.9	69
6	Extracellular heat shock protein 90 binding to TGF $\beta$ 2 receptor I participates in TGF $\beta$ 2-mediated collagen production in myocardial fibroblasts. <i>Cellular Signalling</i> , 2016, 28, 1563-1579.	1.7	64
7	BAMBI (BMP and activin membrane-bound inhibitor) protects the murine heart from pressure-overload biomechanical stress by restraining TGF- $\beta$ 2 signaling. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 323-335.	1.8	62
8	BAMBI (Bone Morphogenetic Protein and Activin Membrane-Bound Inhibitor) Reveals the Involvement of the Transforming Growth Factor- $\beta$ 2 Family in Pain Modulation. <i>Journal of Neuroscience</i> , 2010, 30, 1502-1511.	1.7	60
9	Plasma Levels of Transforming Growth Factor- $\beta$ 1 Reflect Left Ventricular Remodeling in Aortic Stenosis. <i>PLoS ONE</i> , 2009, 4, e8476.	1.1	57
10	Leaky Vesicle Fusion Induced by Phosphatidylinositol-Specific Phospholipase C: Observation of Mixing of Vesicular Inner Monolayers. <i>Biochemistry</i> , 2000, 39, 14012-14018.	1.2	56
11	Modulation of PI-Specific Phospholipase C by Membrane Curvature and Molecular Order. <i>Biochemistry</i> , 2005, 44, 11592-11600.	1.2	56
12	Androgens Contribute to Sex Differences in Myocardial Remodeling under Pressure Overload by a Mechanism Involving TGF- $\beta$ 2. <i>PLoS ONE</i> , 2012, 7, e35635.	1.1	46
13	Identification of a Novel Modulator of Thyroid Hormone Receptor-Mediated Action. <i>PLoS ONE</i> , 2007, 2, e1183.	1.1	42
14	Myocardial gene expression of microRNA-133a and myosin heavy and light chains, in conjunction with clinical parameters, predict regression of left ventricular hypertrophy after valve replacement in patients with aortic stenosis. <i>Heart</i> , 2011, 97, 1132-1137.	1.2	41
15	Circulating Levels of miR-133a Predict the Regression Potential of Left Ventricular Hypertrophy After Valve Replacement Surgery in Patients With Aortic Stenosis. <i>Journal of the American Heart Association</i> , 2013, 2, e000211.	1.6	40
16	BMP-7 attenuates left ventricular remodelling under pressure overload and facilitates reverse remodelling and functional recovery. <i>Cardiovascular Research</i> , 2016, 110, 331-345.	1.8	40
17	p-SMAD2/3 and DICER promote pre-miR-21 processing during pressure overload-associated myocardial remodeling. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 1520-1530.	1.8	33
18	Diacylglycerol effects on phosphatidylinositol-specific phospholipase C activity and vesicle fusion. <i>FEBS Letters</i> , 2001, 494, 117-120.	1.3	32

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19	Interaction of Phospholipases C and Sphingomyelinase with Liposomes. <i>Methods in Enzymology</i> , 2003, 372, 3-19.	0.4	18
20	Towards the in vitro reconstitution of caveolae. Asymmetric incorporation of glycosylphosphatidylinositol (GPI) and gangliosides into liposomal membranes. <i>FEBS Letters</i> , 1999, 457, 71-74.	1.3	16
21	Reduction of cardiac TGF $\beta$ -mediated profibrotic events by inhibition of Hsp90 with engineered protein. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 123, 75-87.	0.9	16
22	Sex-Specific Regulation of miR-29b in the Myocardium Under Pressure Overload is Associated with Differential Molecular, Structural and Functional Remodeling Patterns in Mice and Patients with Aortic Stenosis. <i>Cells</i> , 2020, 9, 833.	1.8	15
23	Phospholipase cleavage of glycosylphosphatidylinositol reconstituted in liposomal membranes. <i>FEBS Letters</i> , 1998, 432, 150-154.	1.3	13
24	Purification and Characterization of Insulin-Mimetic Inositol Phosphoglycan-Like Molecules From Grass Pea ( <i>Lathyrus sativus</i> ) Seeds. <i>Molecular Medicine</i> , 2001, 7, 454-460.	1.9	13
25	Engineering multifunctional metal/protein hybrid nanomaterials as tools for therapeutic intervention and high-sensitivity detection. <i>Chemical Science</i> , 2021, 12, 2480-2487.	3.7	11
26	Chronic treatment with the opioid antagonist naltrexone favours the coupling of spinal cord $\mu$ -opioid receptors to G $\beta$ $\gamma$ protein subunits. <i>Neuropharmacology</i> , 2012, 62, 757-764.	2.0	8
27	Phosphorylation of glycosyl-phosphatidylinositol by phosphatidylinositol 3-kinase changes its properties as a substrate for phospholipases. <i>FEBS Letters</i> , 2005, 579, 59-65.	1.3	7
28	Epigenetic alterations of TGF $\beta$ and its main canonical signaling mediators in the context of cardiac fibrosis. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 159, 38-47.	0.9	7
29	Correlative 3D cryo X-ray imaging reveals intracellular location and effect of designed antifibrotic protein-nanomaterial hybrids. <i>Chemical Science</i> , 2021, 12, 15090-15103.	3.7	7
30	MicroRNA-133: Biomarker and Mediator of Cardiovascular Diseases. , 2016, , 285-317.		2
31	Profibrotic Role of Inducible Heat Shock Protein 90 $\alpha$ Isoform in Systemic Sclerosis. <i>Journal of Immunology</i> , 2022, 209, 38-48.	0.4	2
32	P62/Bone morphogenetic protein 7 protects against pressure overload-induced left ventricular remodeling and facilitates its regression in mice. <i>Cardiovascular Research</i> , 2014, 103, S112.4-S112.	1.8	0
33	MicroRNA-133: Biomarker and Mediator of Cardiovascular Diseases. , 2015, , 1-33.		0