Francisco Borja FernÃ¡ndez Corujo

List of Publications by Year
in descending order

93 papers	2,949 citations	257450 24 h-index	175258 52 g-index
95 all docs	95 docs citations	95 times ranked	2881 citing authors

#	Article	IF	Citations
1	Bone Marrow-Derived Cells Do Not Incorporate Into the Adult Growing Vasculature. Circulation Research, 2004, 94, 230-238.	4.5	578
2	VEGFR-1â€“Selective VEGF Homologue PlGF Is Arteriogenic. Circulation Research, 2003, 92, 378-385.	4.5	284
3	Bicuspid Aortic Valves With Different Spatial Orientations of the Leaflets Are Distinct Etiological Entities. Journal of the American College of Cardiology, 2009, 54, 2312-2318.	2.8	206
4	Role of Ischemia and of Hypoxia-Inducible Genes in Arteriogenesis After Femoral Artery Occlusion in the Rabbit. Circulation Research, 2001, 89, 779-786.	4.5	203
5	Collateral Artery Growth (Arteriogenesis) After Experimental Arterial Occlusion Is Impaired in Mice Lacking CC-Chemokine Receptor-2. Circulation Research, 2004, 94, 671-677.	4.5	203
6	Transgenic Myocardial Overexpression of Fibroblast Growth Factor-1 Increases Coronary Artery Density and Branching. Circulation Research, 2000, 87, 207-213.	4.5	93
7	Involvement of the Fibroblast Growth Factor System in Adaptive and Chemokine-Induced Arteriogenesis. Circulation Research, 2003, 92, 561-568.	4.5	86
8	Fusion of valve cushions as a key factor in the formation of congenital bicuspid aortic valves in Syrian hamsters. , 1996, 244, 490-498.		74
9	International consensus statement on nomenclature and classification of the congenital bicuspid aortic valve and its aortopathy, for clinical, surgical, interventional and research purposes. European Journal of Cardio-thoracic Surgery, 2021, 60, 448-476.	1.4	61
10	Transplantation of Monocytes: A Novel Strategy forIn VivoAugmentation of Collateral Vessel Growth. Human Gene Therapy, 2004, 15, 1-12.	2.7	54
11	Angiogenesis-independent cardioprotection in FGF-1 transgenic mice. Cardiovascular Research, 2002, 55, 768-777.	3.8	51
12	International consensus statement on nomenclature and classification of the congenital bicuspid aortic valve and its aortopathy, for clinical, surgical, interventional and research purposes. Journal of Thoracic and Cardiovascular Surgery, 2021, 162, e383-e414.	0.8	47
13	The coronary arteries of the C57BL/6 mouse strains: implications for comparison with mutant models. Journal of Anatomy, 2008, 212, 12-18.	1.5	45
14	Cardiac overexpression of monocyte chemoattractant protein-1 in transgenic mice mimics ischemic preconditioning through SAPK/JNK1/2 activation. Cardiovascular Research, 2003, 57, 523-534.	3.8	43
15	Arteriogenesis is associated with an induction of the cardiac ankyrin repeat protein (carp). Cardiovascular Research, 2003, 59, 573-581.	3.8	40
16	Anatomy and formation of congenital bicuspid and quadricuspid pulmonary valves in Syrian hamsters. , 1998, 250, 70-79.		38
17	Hereditary patterns of bicuspid aortic valve in a hundred families. International Journal of Cardiology, 2013, 168, 3443-3449.	1.7	37
18	The proteoglycan osteoglycin/mimecan is correlated with arteriogenesis. Molecular and Cellular Biochemistry, 2009, 322, 15-23.	3.1	36

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19	The ankyrin repeat containing SOCS box protein 5: a novel protein associated with arteriogenesis. Biochemical and Biophysical Research Communications, 2003, 302, 17-22.	2.1	35
20	New Embryological Evidence for the Formation of Quadricuspid Aortic Valves in the Syrian Hamster (Mesocricetus auratus). Journal of Comparative Pathology, 1999, 121, 89-94.	0.4	34
21	Osteoglycin expression and localization in rabbit tissues and atherosclerotic plaques. Molecular and Cellular Biochemistry, 2003, 246, 3-11.	3.1	34
22	Embryonic development of bicuspid aortic valves. Progress in Cardiovascular Diseases, 2020, 63, 407-418.	3.1	32
23	Of rodents and humans: a light microscopic and ultrastructural study on cardiomyocytes in pulmonary veins. International Journal of Medical Sciences, 2008, 5, 152-158.	2.5	31
24	Bicuspid aortic and pulmonary valves in the Syrian hamster. International Journal of Cardiology, 1992, 34, 249-254.	1.7	29
25	Chondrichthyans have a bulbus arteriosus at the arterial pole of the heart: morphological and evolutionary implications. Journal of Anatomy, 2008, 213, 597-606.	1.5	29
26	Bicuspid Aortic Valve in 2 Model Species and Review of the Literature. Veterinary Pathology, 2020, 57, 321-331.	1.7	28
27	Role of early growth response 1 in arteriogenesis: Impact on vascular cell proliferation and leukocyte recruitment in vivo. Thrombosis and Haemostasis, 2012, 107, 562-574.	3.4	27
28	International Consensus Statement on Nomenclature and Classification of the Congenital Bicuspid Aortic Valve and Its Aortopathy, for Clinical, Surgical, Interventional and Research Purposes. Annals of Thoracic Surgery, 2021, 112, e203-e235.	1.3	25
29	Genetically alike Syrian hamsters display both bifoliate and trifoliate aortic valves. Journal of Anatomy, 2012, 220, 92-101.	1.5	24
30	Evidence for a quantitative genetic influence on the formation of aortic valves with two leaflets in the Syrian hamster. Cardiology in the Young, 1993, 3, 132-140.	0.8	23
31	Identification of differentially expressed genes like cofilin2 in growing collateral arteries. Biochemical and Biophysical Research Communications, 2003, 300, 751-756.	2.1	23
32	Osteoglycin expression and localization in rabbit tissues and atherosclerotic plaques. Molecular and Cellular Biochemistry, 2003, 246, 3-11.	3.1	22
33	Anatomy and histology of the cardiac conal valves of the adult dogfish (Scyliorhinus canicula). The Anatomical Record, 1995, 241, 496-504.	1.8	19
34	Blood Supply to the Interventricular Septum of the Heart in Rodents with Intramyocardial Coronary Arteries. Acta Zoologica, 1992, 73, 223-229.	0.8	18
35	Structure and vascularization of the ventricular myocardium in Holocephali: their evolutionary significance. Journal of Anatomy, 2015, 226, 501-510.	1.5	18
36	Inhibition of Collateral Artery Growth by Mibefradil: Possible Role of Volume-Regulated Chloride Channels. Endothelium: Journal of Endothelial Cell Research, 2003, 10, 237-246.	1.7	17

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37	Osteoglycin deficiency does not affect atherosclerosis in mice. Atherosclerosis, 2014, 237, 418-425.	0.8	15
38	The anatomical components of the cardiac outflow tract of chondrichthyans and actinopterygians. Biological Reviews, 2018, 93, 1604-1619.	10.4	15
39	International Consensus Statement on Nomenclature and Classification of the Congenital Bicuspid Aortic Valve and Its Aortopathy, for Clinical, Surgical, Interventional and Research Purposes. Radiology: Cardiothoracic Imaging, 2021, 3, e200496.	2.5	15
40	Quadricuspid aortic valves in Syrian hamsters and their formation according to current knowledge on valvulogenesis. Japanese Journal of Veterinary Research, 2015, 63, 37-43.	0.7	15
41	Embryonic development of the bulbus arteriosus of the primitive heart of jawed vertebrates. Zoologischer Anzeiger, 2013, 252, 359-366.	0.9	13
42	Increased blood levels of transforming growth factor Î² in patients with aortic dilatation. Interactive Cardiovascular and Thoracic Surgery, 2017, 25, 571-574.	1.1	13
43	Solitary coronary ostium in the aorta in Syrian hamsters. A morphological study of 130 cases. Cardiovascular Pathology, 2005, 14, 303-311.	1.6	12
44	Selection of Reference Genes for Quantitative Real Time PCR (qPCR) Assays in Tissue from Human Ascending Aorta. PLoS ONE, 2014, 9, e97449.	2.5	12
45	Anomalous origin of the left coronary artery from the pulmonary trunk and its relationship with the morphology of the cardiac semilunar valves in Syrian hamsters. Basic Research in Cardiology, 1994, 89, 94-99.	5.9	10
46	Number of Coronary Ostia in Syrian Hamsters (Mesocricetus auratus) with Normal and Anomalous Coronary Arteries. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2007, 36, 460-465.	0.7	10
47	The anatomical components of the cardiac outflow tract of the gray bichir, Polypterus senegalus: their evolutionary significance. Zoology, 2014, 117, 370-376.	1.2	10
48	Differential expression of myosin heavy chain isoforms in cardiac segments of gnathostome vertebratesÂand its evolutionary implications. Frontiers in Zoology, 2019, 16, 18.	2.0	10
49	Anomalous origin of the left coronary artery from the dorsal aortic sinus and its relationship with aortic valve morphology in Syrian hamsters. Journal of Comparative Pathology, 1995, 112, 373-380.	0.4	9
50	Separate Origin of the Main Components of the Left Coronary Artery in Syrian Hamsters (Mesocricetus auratus). Transboundary and Emerging Diseases, 2007, 54, 297-301.	0.6	9
51	Unusual anatomical origins of the coronary arteries in C57BL/6 mice. Are they strainâ€specific?. Journal of Anatomy, 2016, 229, 703-709.	1.5	9
52	Embryological evidence for the formation of a quadricuspid aortic valve in the Syrian hamster. Cardiovascular Pathology, 1994, 3, 287-291.	1.6	8
53	Intimal thickening of coronary arteries in the rabbitfish, Chimaera monstrosa L. (Chondrichthyes: Holocephali). Journal of Fish Diseases, 2010, 33, 675-682.	1.9	8
54	Anomalous Origin of the Left Coronary Artery from the Right Side of the Aortic Valve in Syrian Hamsters (Mesocricetus auratus). Journal of Comparative Pathology, 2006, 134, 290-296.	0.4	7

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55	Heart Pigmentation in the Gray Bichir, Polypterus senegalus (Actinopterygii: Polypteriformes). Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2015, 44, 475-480.	0.7	7
56	Fibrillin 2 is upregulated in the ascending aorta of patients with bicuspid aortic valve. European Journal of Cardio-thoracic Surgery, 2017, 51, 104-111.	1.4	7
57	Anatomical, histochemical and immunohistochemical characterisation of the cardiac outflow tract of the silver arowana, Osteoglossum bicirrhosum (Teleostei: Osteoglossiformes). Zoology, 2017, 120, 15-23.	1.2	7
58	Dicephalous v. diprosopus sharks: record of a twoâ€headed embryo of <scp>G</scp>aleus atlanticus and review of the literature. Journal of Fish Biology, 2017, 90, 283-293.	1.6	7
59	Severe Congenital Stenosis of the Left Coronary Artery Ostium and Its Possible Pathogenesis According to Current Knowledge on Coronary Artery Development. Cardiovascular Pathology, 1998, 7, 261-266.	1.6	6
60	Genetic contribution of bicuspid aortic valve morphology. American Journal of Medical Genetics, Part A, 2011, 155, 2897-2898.	1.2	6
61	Summary: International consensus statement on nomenclature and classification of the congenital bicuspid aortic valve and its aortopathy, for clinical, surgical, interventional, and research purposes. Journal of Thoracic and Cardiovascular Surgery, 2021, 162, 781-797.	0.8	6
62	Identification of Reference Genes for Quantitative Real Time PCR Assays in Aortic Tissue of Syrian Hamsters with Bicuspid Aortic Valve. PLoS ONE, 2016, 11, e0164070.	2.5	6
63	Rudimentary Coronary Artery in Syrian Hamsters (Mesocricetus auratus). Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2009, 38, 270-274.	0.7	5
64	Cardiac, mandibular and thymic phenotypical association indicates that cranial neural crest underlies bicuspid aortic valve formation in hamsters. PLoS ONE, 2017, 12, e0183556.	2.5	5
65	The relative length of the cardiac bulbus arteriosus reflects phylogenetic relationships among elasmobranchs. Zoologischer Anzeiger, 2016, 263, 84-91.	0.9	4
66	Embryonic Development of Collateral Arteries. , 2004, , 11-19.		3
67	Arterialization, coronariogenesis and arteriogenesis. , 2005, , 53-63.		3
68	Ectopic Origin of Coronary Arteries from the Aorta in Syrian Hamsters (Mesocricetus auratus). Journal of Comparative Pathology, 2012, 146, 183-191.	0.4	3
69	Resident and Non-Resident Stem Cells in Acute Myocardial Infarction. Cardiovascular & Hematological Disorders Drug Targets, 2010, 10, 202-215.	0.7	3
70	Diferentes etiologÃas de las vÃ¡lvulas aÃ³rticas bicÃºspides: implicaciones genÃ©ticas, patolÃ³gicas, clÃ¡nicas y quirÃºrgicas. Cardiocore, 2010, 45, 68-71.	0.0	2
71	The bulbus arteriosus of the holocephalan heart: gross anatomy, histomorphology, pigmentation, and evolutionary significance. Zoology, 2017, 123, 37-45.	1.2	2
72	Pigmentation of the aortic and pulmonary valves in C57BL/6J x Balb/cByJ hybrid mice of different coat colours. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2019, 48, 429-436.	0.7	2

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73	Summary: international consensus statement on nomenclature and classification of the congenital bicuspid aortic valve and its aortopathy, for clinical, surgical, interventional and research purposes. European Journal of Cardio-thoracic Surgery, 2021, 60, 481-496.	1.4	2
74	Dorsoventral transposition of the heart chambers in sturgeon Acipenser naccarii alevins. Diseases of Aquatic Organisms, 2007, 78, 173-177.	1.0	2
75	Chondrichthyans have a bulbus arteriosus at the arterial pole of the heart. FASEB Journal, 2008, 22, 586.1.	0.5	2
76	Absence of mimecan causes medial damage associated with atherosclerotic lesions in apoEâ€deficient mice. FASEB Journal, 2009, 23, 640.1.	0.5	2
77	Expression Profiling of Growing Collateral Arteries/Hunting for New Genes. , 2004, , 233-251.		1
78	Factors other than genotype account largely for the phenotypic variation of the pulmonary valve in Syrian hamsters. Journal of Anatomy, 2012, 221, 30-38.	1.5	1
79	The arrangement of the coronary artery trunks is subject to inheritance factors: A study in Syrian hamsters. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2018, 47, 140-144.	0.7	1
80	The Bicuspid Condition of the Aortic Valve Does Not Alter the Incidence of Accessory Coronary Artery Ostia in Syrian Hamsters (Mesocricetus auratus). Journal of Comparative Pathology, 2019, 166, 9-16.	0.4	1
81	The valves of the cardiac outflow tract of the starry ray, Raja asterias (Chondrichthyes;) Tj ETQq1 1 0.784314 rgBT /Overlock 1 C: Anatomia Histologia Embryologia, 2019, 48, 40-45.	0.7	1
82	Development of the ventricular myocardial trabeculae in Scyliorhinus canicula (Chondrichthyes): evolutionary implications. Scientific Reports, 2020, 10, 14434.	3.3	1
83	Myosin heavy chain isoforms in the myocardium of the atrioventricular junction of Scyliorhinus canicula (Chondrichthyes, Carcharhiniformes). Journal of Fish Biology, 2020, 97, 734-739.	1.6	1
84	Summary: International Consensus Statement on Nomenclature and Classification of the Congenital Bicuspid Aortic Valve and Its Aortopathy, for Clinical, Surgical, Interventional and Research Purposes. Annals of Thoracic Surgery, 2021, 112, 1005-1022.	1.3	1
85	Bone Marrow-Derived Cells. , 2004, , 159-171.		0
86	Experimental Evidence of The Genetic Hypothesis on The Etiology of Bicuspid Aortic Valve Aortopathy. FASEB Journal, 2021, 35, .	0.5	0
87	The Evolution of The Cardiac Myosinome of Gnathostomes. FASEB Journal, 2021, 35, .	0.5	0
88	Proteomic analysis of the ascending aorta in a hamster model of BAV disease. FASEB Journal, 2021, 35, .	0.5	0
89	Involvement of Smad2 Allelic Variants in Murine Coronary Artery High Takeâ€off Development. FASEB Journal, 2021, 35, .	0.5	0
90	Animal models of arteriogenesis. FASEB Journal, 2008, 22, 520.2.	0.5	0

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91	Endocardialâ€mesenchymal transition underlies fusion of the conotruncal ridges during embryonic cardiac outflow tract septation. FASEB Journal, 2018, 32, 518.3.	0.5	0
92	Myocardial trabeculation in embryos of Scyliorhinus canicula (Elasmobranchii,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (Cho	0.5	0
93	Chamber specific expression of Myosin heavy chain 7b in the heart of vertebrates. FASEB Journal, 2018, 32, 518.1.	0.5	0