

# Rodrigo Morchã³n

## List of Publications by Year in descending order

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99  
papers

2,745  
citations

186209

28  
h-index

206029

48  
g-index

106  
all docs

106  
docs citations

106  
times ranked

1659  
citing authors

#	ARTICLE	IF	CITATIONS
1	Human and Animal Dirofilariasis: the Emergence of a Zoonotic Mosaic. <i>Clinical Microbiology Reviews</i> , 2012, 25, 507-544.	5.7	585
2	Heartworm Disease ( <i>Dirofilaria immitis</i> ) and Their Vectors in Europe – New Distribution Trends. <i>Frontiers in Physiology</i> , 2012, 3, 196.	1.3	145
3	What is new about animal and human dirofilariasis?. <i>Trends in Parasitology</i> , 2009, 25, 404-409.	1.5	108
4	What is happening outside North America regarding human dirofilariasis?. <i>Veterinary Parasitology</i> , 2005, 133, 181-189.	0.7	106
5	Immune response to and tissue localization of the Wolbachia surface protein (WSP) in dogs with natural heartworm ( <i>Dirofilaria immitis</i> ) infection. <i>Veterinary Immunology and Immunopathology</i> , 2005, 106, 303-308.	0.5	70
6	Current prevalence of <i>Dirofilaria immitis</i> in dogs, cats and humans from the island of Gran Canaria, Spain. <i>Veterinary Parasitology</i> , 2011, 176, 291-294.	0.7	54
7	Human Subcutaneous Dirofilariasis, Russia. <i>Emerging Infectious Diseases</i> , 2007, 13, 150-152.	2.0	52
8	Immunopathology of <i>Dirofilaria immitis</i> Infection. <i>Veterinary Research Communications</i> , 2007, 31, 161-171.	0.6	52
9	Specific IgG antibody response against antigens of <i>Dirofilaria immitis</i> and its Wolbachia endosymbiont bacterium in cats with natural and experimental infections. <i>Veterinary Parasitology</i> , 2004, 125, 313-321.	0.7	48
10	The Complexity of Zoonotic Filariasis Epistystem and Its Consequences: A Multidisciplinary View. <i>BioMed Research International</i> , 2017, 2017, 1-10.	0.9	43
11	Excretory/secretory antigens from <i>Dirofilaria immitis</i> adult worms interact with the host fibrinolytic system involving the vascular endothelium. <i>Molecular and Biochemical Parasitology</i> , 2012, 181, 134-140.	0.5	41
12	Exosome-transported microRNAs of helminth origin: new tools for allergic and autoimmune diseases therapy?. <i>Parasite Immunology</i> , 2015, 37, 208-214.	0.7	41
13	Immunoglobulin G Antibodies against the Endosymbionts of Filarial Nematodes ( Wolbachia ) in Patients with Pulmonary Dirofilariasis. <i>Vaccine Journal</i> , 2003, 10, 180-181.	3.2	38
14	Canine and Human Dirofilariasis in the Rostov Region (Southern Russia). <i>Veterinary Medicine International</i> , 2011, 2011, 1-5.	0.6	36
15	Surface associated antigens of <i>Dirofilaria immitis</i> adult worms activate the host fibrinolytic system. <i>Veterinary Parasitology</i> , 2013, 196, 235-240.	0.7	35
16	The impact of the climate on the epidemiology of <i>Dirofilaria immitis</i> in the pet population of the Canary Islands. <i>Veterinary Parasitology</i> , 2016, 216, 66-71.	0.7	35
17	Determinants of the current and future distribution of the West Nile virus mosquito vector <i>Culex pipiens</i> in Spain. <i>Environmental Research</i> , 2020, 188, 109837.	3.7	35
18	Canine dirofilariasis caused by <i>Dirofilaria immitis</i> is a risk factor for the human population on the island of Gran Canaria, Canary Islands, Spain. <i>Parasitology Research</i> , 2010, 107, 1265-1269.	0.6	34

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19	Geo-environmental model for the prediction of potential transmission risk of <i>Dirofilaria</i> in an area with dry climate and extensive irrigated crops. The case of Spain. <i>Veterinary Parasitology</i> , 2014, 200, 257-264.	0.7	34
20	Plasmin in Parasitic Chronic Infections: Friend or Foe?. <i>Trends in Parasitology</i> , 2016, 32, 325-335.	1.5	34
21	Haplotype H1 of <i>Culex pipiens</i> Implicated as Natural Vector of <i>Dirofilaria immitis</i> in an Endemic Area of Western Spain. <i>Vector-Borne and Zoonotic Diseases</i> , 2007, 7, 653-658.	0.6	33
22	Dogs with patent <i>Dirofilaria immitis</i> infection have higher expression of circulating IL-4, IL-10 and iNOS mRNA than those with occult infection. <i>Veterinary Immunology and Immunopathology</i> , 2007, 115, 184-188.	0.5	32
23	Fibrinolysis and Proliferative Endarteritis: Two Related Processes in Chronic Infections? The Model of the Blood-Borne Pathogen <i>Dirofilaria immitis</i> . <i>PLoS ONE</i> , 2015, 10, e0124445.	1.1	32
24	Zoonotic <i>Dirofilaria immitis</i> infections in a province of Northern Spain. <i>Epidemiology and Infection</i> , 2010, 138, 380-383.	1.0	30
25	Prevalence of <i>Dirofilaria immitis</i> in dogs from Barcelona: Validation of a geospatial prediction model. <i>Veterinary Parasitology</i> , 2015, 212, 456-459.	0.7	30
26	Seroepidemiological survey of human exposure to <i>Dirofilaria</i> spp. in Romania and Moldova. <i>Acta Tropica</i> , 2018, 187, 169-174.	0.9	30
27	A Coprological and Serological Survey for the Prevalence of <i>Ascaridia</i> spp. in Laying Hens. <i>Zoonoses and Public Health</i> , 2005, 52, 238-242.	1.4	29
28	Regional Warming and Emerging Vector-Borne Zoonotic <i>Dirofilariosis</i> in the Russian Federation, Ukraine, and Other Post-Soviet States from 1981 to 2011 and Projection by 2030. <i>BioMed Research International</i> , 2014, 2014, 1-11.	0.9	29
29	Current Distribution of Selected Vector-Borne Diseases in Dogs in Spain. <i>Frontiers in Veterinary Science</i> , 2020, 7, 564429.	0.9	29
30	<i>Wolbachia</i> in <i>Dirofilaria repens</i> , an Agent Causing Human Subcutaneous <i>Dirofilariosis</i> . <i>Journal of Parasitology</i> , 2008, 94, 1421-1423.	0.3	27
31	iNOs expression is stimulated by the major surface protein (rWSP) from <i>Wolbachia</i> bacterial endosymbiont of <i>Dirofilaria immitis</i> following subcutaneous injection in mice. <i>Parasitology International</i> , 2007, 56, 71-75.	0.6	26
32	Cardiopulmonary and inflammatory biomarkers in the assessment of the severity of canine <i>dirofilariosis</i> . <i>Veterinary Parasitology</i> , 2014, 206, 43-47.	0.7	25
33	Seroprevalence of heartworm ( <i>Dirofilaria immitis</i> ) in feline and canine hosts from central and northern Portugal. <i>Journal of Helminthology</i> , 2015, 89, 625-629.	0.4	25
34	Prevalence of heartworm in dogs and cats of Madrid, Spain. <i>Parasites and Vectors</i> , 2017, 10, 354.	1.0	25
35	Anti- <i>Wolbachia</i> Surface Protein Antibodies Are Present in the Urine of Dogs Naturally Infected with <i>Dirofilaria immitis</i> with Circulating Microfilariae But Not in Dogs with Occult Infections. <i>Vector-Borne and Zoonotic Diseases</i> , 2012, 12, 17-20.	0.6	23
36	Human subcutaneous/ocular <i>dirofilariosis</i> in the Russian Federation and Belarus, 1997-2013. <i>International Journal of Infectious Diseases</i> , 2015, 33, 209-211.	1.5	23

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37	Can the activation of plasminogen/plasmin system of the host by metabolic products of <i>Dirofilaria immitis</i> participate in heartworm disease endarteritis?. <i>Parasites and Vectors</i> , 2015, 8, 194.	1.0	23
38	Surface-displayed glyceraldehyde 3-phosphate dehydrogenase and galectin from <i>Dirofilaria immitis</i> enhance the activation of the fibrinolytic system of the host. <i>Acta Tropica</i> , 2015, 145, 8-16.	0.9	23
39	<i>Dirofilaria immitis</i> infection in dogs: Cardiopulmonary biomarker levels. <i>Veterinary Parasitology</i> , 2011, 176, 313-316.	0.7	22
40	Is <i>Wolbachia</i> participating in the bronchial reactivity of cats with heartworm associated respiratory disease?. <i>Veterinary Parasitology</i> , 2013, 196, 130-135.	0.7	22
41	Vascular endothelial cell activation by adult <i>Dirofilaria immitis</i> antigens. <i>Parasitology International</i> , 2008, 57, 441-446.	0.6	20
42	Epidemiological survey of canine heartworm disease on the island of Gran Canaria (Canary Islands). <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i>	0.7	20
43	Variation of d-dimer values as assessment of pulmonary thromboembolism during adulticide treatment of heartworm disease in dogs. <i>Veterinary Parasitology</i> , 2013, 195, 106-111.	0.7	19
44	First epidemiological report of feline heartworm infection in the Barcelona metropolitan area (Spain). <i>Parasites and Vectors</i> , 2014, 7, 506.	1.0	19
45	Thirty cases of human subcutaneous dirofilariasis reported in Rostov-on-Don (Southwestern Russian). <i>Tj ETQq1 1 0.784314 rgBT /Over</i>	0.3	18
46	Association of <i>Wolbachia</i> with heartworm disease in cats and dogs. <i>Veterinary Parasitology</i> , 2010, 170, 50-60.	0.7	17
47	<i>Dirofilaria immitis</i> and <i>Wolbachia</i> -derived antigens: Its effect on endothelial mammal cells. <i>Veterinary Parasitology</i> , 2008, 158, 223-231.	0.7	16
48	Galectin and aldolase-like molecules are responsible for the specific IgE response in humans exposed to <i>Dirofilaria immitis</i> . <i>Parasite Immunology</i> , 2008, 30, 596-602.	0.7	16
49	Identification of immunoreactive proteins of <i>Dirofilaria immitis</i> and <i>D. repens</i> recognized by sera from patients with pulmonary and subcutaneous dirofilariosis. <i>Parasitology International</i> , 2010, 59, 248-256.	0.6	16
50	Evaluation of cardiopulmonary biomarkers during classic adulticide treatment versus the American Heartworm Society recommended treatment protocol in dogs infected by <i>Dirofilaria immitis</i> . <i>Veterinary Parasitology</i> , 2014, 206, 55-59.	0.7	16
51	Adult <i>Dirofilaria immitis</i> excretory/secretory antigens upregulate the production of prostaglandin E2 and downregulate monocyte transmigration in an <i>in vitro</i> model of vascular endothelial cell cultures. <i>Veterinary Parasitology</i> , 2010, 170, 331-335.	0.7	15
52	Evaluation of pulmonary function variables by using plethysmography in cats with respiratory disease associated to <i>Dirofilaria immitis</i> . <i>Veterinary Parasitology</i> , 2012, 187, 254-258.	0.7	15
53	Proteomic analysis of the urine of <i>Dirofilaria immitis</i> infected dogs. <i>Veterinary Parasitology</i> , 2014, 203, 241-246.	0.7	15
54	Cardiopulmonary and inflammatory biomarkers in heartworm disease. <i>Parasites and Vectors</i> , 2017, 10, 534.	1.0	15

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55	The Canary Islands as a model of risk of pulmonary dirofilariasis in a hyperendemic area. <i>Parasitology Research</i> , 2018, 117, 933-936.	0.6	15
56	Utility of cardiac biomarkers during adulticide treatment of heartworm disease ( <i>Dirofilaria immitis</i> ) in dogs. <i>Veterinary Parasitology</i> , 2013, 197, 244-250.	0.7	14
57	Proteomic analysis of the somatic and surface compartments from <i>Dirofilaria immitis</i> adult worms. <i>Veterinary Parasitology</i> , 2014, 203, 144-152.	0.7	13
58	Current status of canine dirofilariosis in an endemic area of western Spain. <i>Journal of Helminthology</i> , 2018, 92, 520-523.	0.4	13
59	Delayed Diagnosis of <i>Dirofilaria immitis</i> and Complex Ocular Surgery, Russia. <i>Emerging Infectious Diseases</i> , 2013, 19, 326-328.	2.0	12
60	Glyceraldehyde 3-phosphate dehydrogenase and galectin from <i>Dirofilaria immitis</i> participate in heartworm disease endarteritis via plasminogen/plasmin system. <i>Veterinary Parasitology</i> , 2016, 223, 96-101.	0.7	12
61	rDNA Sequences of <i>Anopheles</i> Species from the Iberian Peninsula and an Evaluation of the 18S rRNA Gene as Phylogenetic Marker in Anophelinae. <i>Journal of Medical Entomology</i> , 2006, 43, 508-517.	0.9	11
62	Myocardial damage in dogs affected by heartworm disease ( <i>Dirofilaria immitis</i> ): Immunohistochemical study of cardiac myoglobin and troponin I in naturally infected dogs. <i>Veterinary Parasitology</i> , 2012, 189, 390-393.	0.7	11
63	Variation of the adulticide protocol for the treatment of canine heartworm infection: Can it be shorter?. <i>Veterinary Parasitology</i> , 2019, 271, 54-56.	0.7	11
64	New insights into the biology, diagnosis and immune response to <i>Dirofilaria repens</i> in the canine host. <i>Veterinary Parasitology: X</i> , 2020, 277, 100029.	2.7	11
65	First epidemiological survey of <i>Angiostrongylus vasorum</i> in domestic dogs from Spain. <i>Parasites and Vectors</i> , 2020, 13, 306.	1.0	11
66	Feline dirofilariasis: antibody response to antigenic fractions containing specific 20 to 30 kDa polypeptides from the adult <i>Dirofilaria immitis</i> somatic antigen. <i>Veterinary Parasitology</i> , 2002, 103, 341-353.	0.7	10
67	Ribosomal DNA second internal transcribed spacer sequence studies of Culicid vectors from an endemic area of <i>Dirofilaria immitis</i> in Spain. <i>Parasitology Research</i> , 2006, 99, 205-213.	0.6	10
68	High Levels of Serum Thromboxane B2 Are Generated during Human Pulmonary <i>Dirofilaria immitis</i> . <i>Vaccine Journal</i> , 2006, 13, 1175-1176.	3.2	10
69	Changes in the levels of eicosanoids in cats naturally and experimentally infected with <i>Dirofilaria immitis</i> . <i>Veterinary Parasitology</i> , 2007, 147, 271-275.	0.7	10
70	Identification of <i>Dirofilaria immitis</i> immunoreactive proteins recognized by sera from infected cats using two-dimensional electrophoresis and mass spectrometry. <i>Molecular and Biochemical Parasitology</i> , 2010, 174, 78-82.	0.5	10
71	Seroepidemiological Study of Canine and Human <i>Dirofilaria immitis</i> in the Endemic Region of Northern Serbia. <i>Frontiers in Veterinary Science</i> , 2020, 7, 571.	0.9	10
72	Evaluation of different dosages of doxycycline during the adulticide treatment of heartworm ( <i>Dirofilaria immitis</i> ) in dogs. <i>Veterinary Parasitology</i> , 2020, 283, 109141.	0.7	10

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73	rDNA Sequences of <i>Anopheles</i> Species from the Iberian Peninsula and an Evaluation of the 18S rRNA Gene as Phylogenetic Marker in Anophelinae. <i>Journal of Medical Entomology</i> , 2006, 43, 508-517.	0.9	9
74	D-dimer deposits in lungs and kidneys suggest its use as a marker in the clinical workup of dogs with heartworm ( <i>Dirofilaria immitis</i> ) disease. <i>Veterinary Parasitology</i> , 2013, 191, 182-186.	0.7	9
75	Exposure of humans to the zoonotic nematode <i>Dirofilaria immitis</i> in Northern Portugal. <i>Epidemiology and Infection</i> , 2019, 147, e282.	1.0	9
76	Current Situation of the Presence of <i>Dirofilaria immitis</i> in Dogs and Humans in Bucaramanga, Colombia. <i>Frontiers in Veterinary Science</i> , 2020, 7, 488.	0.9	9
77	<i>Dirofilaria immitis</i> possesses molecules with anticoagulant properties in its excretory/secretory antigens. <i>Parasitology</i> , 2020, 147, 559-565.	0.7	9
78	Angiogenic response in an in vitro model of dog microvascular endothelial cells stimulated with antigenic extracts from <i>Dirofilaria immitis</i> adult worms. <i>Parasites and Vectors</i> , 2019, 12, 315.	1.0	8
79	Evaluation of serum biomarkers and proteinuria for the early detection of renal damage in dogs with heartworm ( <i>Dirofilaria immitis</i> ). <i>Veterinary Parasitology</i> , 2020, 283, 109144.	0.7	7
80	<i>Angiostrongylus vasorum</i> in Domestic Dogs in Castilla y León, Iberian Peninsula, Spain. <i>Animals</i> , 2021, 11, 1513.	1.0	7
81	Intestinal helminths in Iberian wolves ( <i>Canis lupus signatus</i> ) from Northwest Spain. <i>The Open Parasitology Journal</i> , 2018, 6, 106-111.	1.7	7
82	Expansion of Canine Heartworm in Spain. <i>Animals</i> , 2022, 12, 1268.	1.0	7
83	Immunoproteomic approach for identification of <i>Ascaris suum</i> proteins recognized by pigs with porcine ascariasis. <i>Veterinary Parasitology</i> , 2014, 203, 343-348.	0.7	6
84	Seroprevalence of Feline Heartworm in Spain: Completing the Epidemiological Puzzle of a Neglected Disease in the Cat. <i>Frontiers in Veterinary Science</i> , 2022, 9, .	0.9	6
85	Interaction between <i>Wolbachia</i> and the fibrinolytic system as a possible pathological mechanism in cardiopulmonary dirofilariosis. <i>Veterinary Parasitology</i> , 2017, 247, 64-69.	0.7	5
86	Serological Survey of Canine Vector-Borne Infections in North-Center Spain. <i>Frontiers in Veterinary Science</i> , 2021, 8, 784331.	0.9	5
87	Fifth European <i>Dirofilaria</i> and <i>Angiostrongylus</i> Days (FIEDAD) 2016. <i>Parasites and Vectors</i> , 2017, 10, .	1.0	4
88	Angiogenesis in cardiopulmonary dirofilariosis: does the <i>Wolbachia</i> surface protein have a pro- or anti-angiogenic effect?. <i>Journal of Helminthology</i> , 2020, 94, e162.	0.4	4
89	Pro-fibrinolytic potential of the third larval stage of <i>Ascaris suum</i> as a possible mechanism facilitating its migration through the host tissues. <i>Parasites and Vectors</i> , 2020, 13, 203.	1.0	4
90	Current distribution of selected canine vector-borne diseases in domestic dogs from Barranquilla and Puerto Colombia, Atlántico, Colombia. <i>Veterinary Medicine and Science</i> , 2022, 8, 46-51.	0.6	4

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91	Proteomic analysis of <i>Ascaridia galli</i> . Identification of immunoreactive proteins in naturally and experimentally infected hens. <i>Veterinary Parasitology</i> , 2013, 196, 388-396.	0.7	3
92	Dirofilariasis palpebral causada por <i>Dirofilaria repens</i> : un caso importado. <i>Archivos De La Sociedad Espanola De Oftalmologia</i> , 2017, 92, 439-441.	0.1	3
93	A possible relationship between Thromboxane B2 and Leukotriene B4 and the encapsulation of <i>Dirofilaria repens</i> worms in human subcutaneous dirofilariasis. <i>Journal of Helminthology</i> , 2020, 94, e67.	0.4	3
94	Prevalence of canine and human dirofilariasis in Puebla, Mexico. <i>Veterinary Parasitology</i> , 2020, 282, 109098.	0.7	3
95	Host-Parasite Relationships in Porcine Ascariasis: Anticoagulant Potential of the Third Larval Stage of <i>Ascaris suum</i> as a Possible Survival Mechanism. <i>Animals</i> , 2021, 11, 804.	1.0	3
96	Human dirofilariasis in the eyelid caused by <i>Dirofilaria repens</i> : An imported case. <i>Archivos De La Sociedad Espanola De Oftalmologia</i> , 2017, 92, 439-441.	0.1	2
97	<i>Dirofilaria immitis</i> Could Be a Risk Factor for the Development of Allergic Diseases in Humans. <i>Animals</i> , 2020, 10, 1847.	1.0	2
98	Validation of a questionnaire about the perception of occupational biohazard in Spanish companies. <i>International Journal of Occupational Safety and Ergonomics</i> , 2016, 22, 541-549.	1.1	1
99	Editorial: Zoonotic Diseases: Their Host and Vectors. <i>Frontiers in Veterinary Science</i> , 2021, 8, 773151.	0.9	0