## Fernando SimÃ<sup>3</sup>n MartÃ-n

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Human and Animal Dirofilariasis: the Emergence of a Zoonotic Mosaic. Clinical Microbiology Reviews, 2012, 25, 507-544.	13.6	585
2	What is new about animal and human dirofilariosis?. Trends in Parasitology, 2009, 25, 404-409.	3.3	108
3	What is happening outside North America regarding human dirofilariasis?. Veterinary Parasitology, 2005, 133, 181-189.	1.8	106
4	Human Dirofilariasis in the European Union. Parasitology Today, 1999, 15, 386-389.	3.0	105
5	Fasciola hepatica: Vaccination of rabbits with native and recombinant antigens related to fatty acid binding proteins. Veterinary Parasitology, 1997, 69, 219-229.	1.8	79
6	Immune response to and tissue localization of the Wolbachia surface protein (WSP) in dogs with natural heartworm (Dirofilaria immitis) infection. Veterinary Immunology and Immunopathology, 2005, 106, 303-308.	1.2	70
7	Current prevalence of Dirofilaria immitis in dogs, cats and humans from the island of Gran Canaria, Spain. Veterinary Parasitology, 2011, 176, 291-294.	1.8	54
8	Human Subcutaneous Dirofilariasis, Russia. Emerging Infectious Diseases, 2007, 13, 150-152.	4.3	52
9	Immunopathology of Dirofilaria immitis Infection. Veterinary Research Communications, 2007, 31, 161-171.	1.6	52
10	Specific IgG antibody response against antigens of Dirofilaria immitis and its Wolbachia endosymbiont bacterium in cats with natural and experimental infections. Veterinary Parasitology, 2004, 125, 313-321.	1.8	48
11	The Complexity of Zoonotic Filariasis Episystem and Its Consequences: A Multidisciplinary View. BioMed Research International, 2017, 2017, 1-10.	1.9	43
12	Antibody and inflammatory responses in laying hens with experimental primary infections of Ascaridia galli. Veterinary Parasitology, 2009, 161, 69-75.	1.8	42
13	Excretory/secretory antigens from Dirofilaria immitis adult worms interact with the host fibrinolytic system involving the vascular endothelium. Molecular and Biochemical Parasitology, 2012, 181, 134-140.	1.1	41
14	Exosomeâ€ŧransported micro <scp>RNA</scp> s of helminth origin: new tools for allergic and autoimmune diseases therapy?. Parasite Immunology, 2015, 37, 208-214.	1.5	41
15	Numerous <i>Fasciola</i> plasminogen-binding proteins may underlie blood-brain barrier leakage and explain neurological disorder complexity and heterogeneity in the acute and chronic phases of human fascioliasis. Parasitology, 2019, 146, 284-298.	1.5	41
16	Immunoglobulin G Antibodies against the Endosymbionts of Filarial Nematodes ( Wolbachia ) in Patients with Pulmonary Dirofilariasis. Vaccine Journal, 2003, 10, 180-181.	3.1	38
17	Canine and Human Dirofilariosis in the Rostov Region (Southern Russia). Veterinary Medicine International, 2011, 2011, 1-5.	1.5	36
18	Is Wolbachia complicating the pathological effects of Dirofilaria immitis infections?. Veterinary Parasitology, 2005, 133, 133-136.	1.8	35

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19	Surface associated antigens of Dirofilaria immitis adult worms activate the host fibrinolytic system. Veterinary Parasitology, 2013, 196, 235-240.	1.8	35
20	The impact of the climate on the epidemiology of Dirofilaria immitis in the pet population of the Canary Islands. Veterinary Parasitology, 2016, 216, 66-71.	1.8	35
21	Canine dirofilariosis caused by Dirofilaria immitis is a risk factor for the human population on the island of Gran Canaria, Canary Islands, Spain. Parasitology Research, 2010, 107, 1265-1269.	1.6	34
22	Geo-environmental model for the prediction of potential transmission risk of Dirofilaria in an area with dry climate and extensive irrigated crops. The case of Spain. Veterinary Parasitology, 2014, 200, 257-264.	1.8	34
23	Plasmin in Parasitic Chronic Infections: Friend or Foe?. Trends in Parasitology, 2016, 32, 325-335.	3.3	34
24	Haplotype H1 of Culex pipiens Implicated as Natural Vector of Dirofilaria immitis in an Endemic Area of Western Spain. Vector-Borne and Zoonotic Diseases, 2007, 7, 653-658.	1.5	33
25	Dogs with patent Dirofilaria immitis infection have higher expression of circulating IL-4, IL-10 and iNOS mRNA than those with occult infection. Veterinary Immunology and Immunopathology, 2007, 115, 184-188.	1.2	32
26	Fibrinolysis and Proliferative Endarteritis: Two Related Processes in Chronic Infections? The Model of the Blood-Borne Pathogen Dirofilaria immitis. PLoS ONE, 2015, 10, e0124445.	2.5	32
27	Utility of antibodies against a 22 kD molecule of Dirofilaria immitis in the diagnosis of human pulmonary dirofilariasis. Tropical Medicine and International Health, 1998, 3, 151-155.	2.3	31
28	Canine dirofilariosis in two cities of southeastern Spain. Veterinary Parasitology, 2000, 92, 81-86.	1.8	31
29	Subconjunctival Infection With Dirofilaria repens. JAMA Ophthalmology, 1998, 116, 1370.	2.4	30
30	Zoonotic <i>Dirofilaria immitis</i> infections in a province of Northern Spain. Epidemiology and Infection, 2010, 138, 380-383.	2.1	30
31	Prevalence of Dirofilaria immitis in dogs from Barcelona: Validation of a geospatial prediction model. Veterinary Parasitology, 2015, 212, 456-459.	1.8	30
32	Seroepidemiological survey of human exposure to Dirofilaria spp. in Romania and Moldova. Acta Tropica, 2018, 187, 169-174.	2.0	30
33	A Coprological and Serological Survey for the Prevalence of Ascaridia spp. in Laying Hens. Zoonoses and Public Health, 2005, 52, 238-242.	1.4	29
34	Regional Warming and Emerging Vector-Borne Zoonotic Dirofilariosis in the Russian Federation, Ukraine, and Other Post-Soviet States from 1981 to 2011 and Projection by 2030. BioMed Research International, 2014, 2014, 1-11.	1.9	29
35	Th1 response in BALB/c mice immunized with Dirofilaria immitis soluble antigens: a possible role for Wolbachia?. Veterinary Parasitology, 2003, 112, 117-130.	1.8	28
36	Wolbachia in Dirofilaria repens, an Agent Causing Human Subcutaneous Dirofilariasis. Journal of Parasitology, 2008, 94, 1421-1423.	0.7	27

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37	Human dirofilariosis in the 21st century: A scoping review of clinical cases reported in the literature. Transboundary and Emerging Diseases, 2022, 69, 2424-2439.	3.0	27
38	iNOs expression is stimulated by the major surface protein (rWSP) from Wolbachia bacterial endosymbiont of Dirofilaria immitis following subcutaneous injection in mice. Parasitology International, 2007, 56, 71-75.	1.3	26
39	Serological diagnosis of subcutaneous dirofilariosis. Clinical and Experimental Dermatology, 1995, 20, 19-21.	1.3	25
40	Cardiopulmonary and inflammatory biomarkers in the assessment of the severity of canine dirofilariosis. Veterinary Parasitology, 2014, 206, 43-47.	1.8	25
41	Seroprevalence of heartworm ( <i>Dirofilaria immitis</i> ) in feline and canine hosts from central and northern Portugal. Journal of Helminthology, 2015, 89, 625-629.	1.0	25
42	Genetic diversity of Dirofilaria spp. isolated from subcutaneous and ocular lesions of human patients in Ukraine. Acta Tropica, 2015, 142, 1-4.	2.0	25
43	Prevalence of heartworm in dogs and cats of Madrid, Spain. Parasites and Vectors, 2017, 10, 354.	2.5	25
44	Small Calcified Nodule: An Undescribed Radiologic Manifestation of Human Pulmonary Dirofilariasis. Journal of Infectious Diseases, 1992, 165, 398-399.	4.0	24
45	Seroprevalence of canine heartworm disease (Dirofilaria immitis) on Tenerife Island: an epidemiological update. Parasitology Research, 2006, 100, 103-105.	1.6	24
46	Feline heartworm (Dirofilaria immitis) infection: detection of specific IgG for the diagnosis of occult infections. Veterinary Parasitology, 1997, 70, 209-217.	1.8	23
47	Identification of immunoreactive proteins from the dog heartworm (Dirofilaria immitis) differentially recognized by the sera from dogs with patent or occult infections. Molecular and Biochemical Parasitology, 2009, 166, 134-141.	1.1	23
48	Anti-Wolbachia 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. Vector-Borne and Zoonotic Diseases, 2012, 12, 17-20.	1.5	23
49	Human subcutaneous/ocular dirofilariasis in the Russian Federation and Belarus, 1997–2013. International Journal of Infectious Diseases, 2015, 33, 209-211.	3.3	23
50	Can the activation of plasminogen/plasmin system of the host by metabolic products of Dirofilaria immitis participate in heartworm disease endarteritis?. Parasites and Vectors, 2015, 8, 194.	2.5	23
51	Surface-displayed glyceraldehyde 3-phosphate dehydrogenase and galectin from Dirofilaria immitis enhance the activation of the fibrinolytic system of the host. Acta Tropica, 2015, 145, 8-16.	2.0	23
52	Evaluation ofDirofilaria immitisexcretory/secretory products for seroepidemiological studies on human dirofilariosis. Parasite, 1995, 2, 269-273.	2.0	22
53	Dirofilaria immitis infection in dogs: Cardiopulmonary biomarker levels. Veterinary Parasitology, 2011, 176, 313-316.	1.8	22
54	Is Wolbachia participating in the bronchial reactivity of cats with heartworm associated respiratory disease?. Veterinary Parasitology, 2013, 196, 130-135.	1.8	22

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55	Epidemiological Surveillance of Congenital Syphilis in Spain, 2000–2010. Pediatric Infectious Disease Journal, 2012, 31, 988-990.	2.0	21
56	Are transient pulmonary solitary nodules a common event in human dirofilariosis?. The Clinical Investigator, 1992, 70, 437-40.	0.6	20
57	Vascular endothelial cell activation by adult Dirofilaria immitis antigens. Parasitology International, 2008, 57, 441-446.	1.3	20
58	Epidemiological survey of canine heartworm disease on the island of Gran Canaria (Canary Islands –) Tj ETQq0	0 0 rgBT /( 1.8	Overlock 10 7 20
59	Variation of d-dimer values as assessment of pulmonary thromboembolism during adulticide treatment of heartworm disease in dogs. Veterinary Parasitology, 2013, 195, 106-111.	1.8	19
60	First epidemiological report of feline heartworm infection in the Barcelona metropolitan area (Spain). Parasites and Vectors, 2014, 7, 506.	2.5	19
61	Thirty cases of human subcutaneous dirofilariasis reported in Rostov-on-Don (Southwestern Russian) Tj ETQq1 1	0.784314 0.5	rgBT /Ovedo
62	Serological assays on eight cases of human dirofilariasis identified by morphology and DNA diagnostics. Annals of Tropical Medicine and Parasitology, 1999, 93, 147-152.	1.6	16
63	Dirofilaria immitis and Wolbachia-derived antigens: Its effect on endothelial mammal cells. Veterinary Parasitology, 2008, 158, 223-231.	1.8	16
64	Galectin and aldolaseâ€like molecules are responsible for the specific IgE response in humans exposed to <i>Dirofilaria immitis</i> . Parasite Immunology, 2008, 30, 596-602.	1.5	16
65	Identification of immunoreactive proteins of Dirofilaria immitis and D. repens recognized by sera from patients with pulmonary and subcutaneous dirofilariosis. Parasitology International, 2010, 59, 248-256.	1.3	16
66	Evaluation of cardiopulmonary biomarkers during classic adulticide treatment versus the American Heartworm Society recommended treatment protocol in dogs infected by Dirofilaria immitis. Veterinary Parasitology, 2014, 206, 55-59.	1.8	16
67	Recent advances in heartworm disease. Veterinary Parasitology, 2004, 125, 105-130.	1.8	15
68	Adult Dirofilaria immitis excretory/secretory antigens upregulate the production of prostaglandin E2 and downregulate monocyte transmigration in an "in vitro―model of vascular endothelial cell cultures. Veterinary Parasitology, 2010, 170, 331-335.	1.8	15
69	Evaluation of pulmonary function variables by using plethysmography in cats with respiratory disease associated to Dirofilaria immitis. Veterinary Parasitology, 2012, 187, 254-258.	1.8	15
70	Proteomic analysis of the urine of Dirofilaria immitis infected dogs. Veterinary Parasitology, 2014, 203, 241-246.	1.8	15
71	The Canary Islands as a model of risk of pulmonary dirofilariasis in a hyperendemic area. Parasitology Research, 2018, 117, 933-936.	1.6	15
72	A seroepidemiologic survey of human dirofilariosis in Western Spain. Tropical Medicine and Parasitology: Official Organ of Deutsche Tropenmedizinische Gesellschaft and of Deutsche Gesellschaft Für Technische Zusammenarbeit (GTZ), 1991, 42, 106-8.	0.2	15

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73	Dirofilaria immitisin Tikuna Indians and their dogs in the Colombian Amazon. Annals of Tropical Medicine and Parasitology, 1998, 92, 123-125.	1.6	14
74	Utility of cardiac biomarkers during adulticide treatment of heartworm disease (Dirofilaria immitis) in dogs. Veterinary Parasitology, 2013, 197, 244-250.	1.8	14
75	Human humoral immune response to Dirofilaria species. Parassitologia, 1997, 39, 397-400.	0.5	14
76	Proteomic analysis of the somatic and surface compartments from Dirofilaria immitis adult worms. Veterinary Parasitology, 2014, 203, 144-152.	1.8	13
77	Current status of canine dirofilariosis in an endemic area of western Spain. Journal of Helminthology, 2018, 92, 520-523.	1.0	13
78	Delayed Diagnosis of Dirofilariasis and Complex Ocular Surgery, Russia. Emerging Infectious Diseases, 2013, 19, 326-328.	4.3	12
79	Glyceraldehyde 3-phosphate dehydrogenase and galectin from Dirofilaria immitis participate in heartworm disease endarteritis via plasminogen/plasmin system. Veterinary Parasitology, 2016, 223, 96-101.	1.8	12
80	Transient solitary pulmonary nodule caused by Dirofilaria immitis. European Respiratory Journal, 1990, 3, 1070-1.	6.7	12
81	Human antibody response to a 56-kDa purified excretory/ secretory product of Dirofilaria immitis. Tropical Medicine and International Health, 2000, 5, 855-859.	2.3	11
82	rDNA Sequences of <i>Anopheles</i> Species from the Iberian Peninsula and an Evaluation of the 18S rRNA Gene as Phylogenetic Marker in Anophelinae. Journal of Medical Entomology, 2006, 43, 508-517.	1.8	11
83	Myocardial damage in dogs affected by heartworm disease (Dirofilaria immitis): Immunohistochemical study of cardiac myoglobin and troponin I in naturally infected dogs. Veterinary Parasitology, 2012, 189, 390-393.	1.8	11
84	lgG response against infective larvae of Dirofilaria immitis in experimentally infected cats. Veterinary Research, 2001, 32, 93-96.	3.0	11
85	Feline dirofilariosis: antibody response to antigenic fractions containing specific 20 to 30 kDa polypeptides from the adult Dirofilaria immitis somatic antigen. Veterinary Parasitology, 2002, 103, 341-353.	1.8	10
86	Ribosomal DNA second internal transcribed spacer sequence studies of Culicid vectors from an endemic area of Dirofilaria immitis in Spain. Parasitology Research, 2006, 99, 205-213.	1.6	10
87	High Levels of Serum Thromboxane B2 Are Generated during Human Pulmonary Dirofilariosis. Vaccine Journal, 2006, 13, 1175-1176.	3.1	10
88	Changes in the levels of eicosanoids in cats naturally and experimentally infected with Dirofilaria immitis. Veterinary Parasitology, 2007, 147, 271-275.	1.8	10
89	Identification of Dirofilaria immitis immunoreactive proteins recognized by sera from infected cats using two-dimensional electrophoresis and mass spectrometry. Molecular and Biochemical Parasitology, 2010, 174, 78-82.	1.1	10
90	Set up of an in vitro model to study early host-parasite interactions between newly excysted juveniles of Fasciola hepatica and host intestinal cells using a quantitative proteomics approach. Veterinary Parasitology, 2020, 278, 109028.	1.8	10

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91	rDNA Sequences of <i>Anopheles</i> Species from the Iberian Peninsula and an Evaluation of the 18S rRNA Gene as Phylogenetic Marker in Anophelinae. Journal of Medical Entomology, 2006, 43, 508-517.	1.8	9
92	D-dimer deposits in lungs and kidneys suggest its use as a marker in the clinical workup of dogs with heartworm (Dirofilaria immitis) disease. Veterinary Parasitology, 2013, 191, 182-186.	1.8	9
93	Exposure of humans to the zoonotic nematode <i>Dirofilaria immitis</i> in Northern Portugal. Epidemiology and Infection, 2019, 147, e282.	2.1	9
94	<i>Dirofilaria immitis</i> possesses molecules with anticoagulant properties in its excretory/secretory antigens. Parasitology, 2020, 147, 559-565.	1.5	9
95	Dirofilaria immitis in Tikuna Indians and their dogs in the Colombian Amazon. Annals of Tropical Medicine and Parasitology, 1998, 92, 123-125.	1.6	8
96	Angiogenic response in an in vitro model of dog microvascular endothelial cells stimulated with antigenic extracts from Dirofilaria immitis adult worms. Parasites and Vectors, 2019, 12, 315.	2.5	8
97	Anti-Dirofilaria immitis IgE: seroepidemiology and seasonal variation in an exposed human population. Tropical Medicine and Parasitology: Official Organ of Deutsche Tropenmedizinische Gesellschaft and of Deutsche Gesellschaft Für Technische Zusammenarbeit (GTZ), 1993, 44, 172-6.	0.2	8
98	Utility of adult antigens of Dirofilaria immitis for the early detection of dirofilariosis and for the evaluation of chemoprophylactic treatment in experimentally infected cats. Veterinary Parasitology, 1999, 86, 5-13.	1.8	7
99	Dirofilaria immitis and D. repens in sylvatic reservoirs of Krasnodar Krai (Russian Federation). Veterinary Parasitology: Regional Studies and Reports, 2016, 6, 35-38.	0.5	7
100	Immunoproteomic approach for identification of Ascaris suum proteins recognized by pigs with porcine ascariasis. Veterinary Parasitology, 2014, 203, 343-348.	1.8	6
101	Transmission, Human Population, and Pathogenicity: the Ebola Case in Point. Microbiology Spectrum, 2018, 6, .	3.0	6
102	A preliminary assessment of the recombinant antigen PLA2 in the diagnosis of human dirofilariosis. Parasite, 1997, 4, 193-196.	2.0	5
103	Interaction between Wolbachia and the fibrinolytic system as a possible pathological mechanism in cardiopulmonary dirofilariosis. Veterinary Parasitology, 2017, 247, 64-69.	1.8	5
104	Migrating Dirofilaria repens. New England Journal of Medicine, 2018, 378, e35.	27.0	5
105	Bobel-24 Activity against <i>Cryptosporidium parvum</i> in Cell Culture and in a SCID Mouse Model. Antimicrobial Agents and Chemotherapy, 2008, 52, 1150-1152.	3.2	4
106	Angiogenesis in cardiopulmonary dirofilariosis: does the <i>Wolbachia</i> surface protein have a pro- or anti-angiogenic effect?. Journal of Helminthology, 2020, 94, e162.	1.0	4
107	Pro-fibrinolytic potential of the third larval stage of Ascaris suum as a possible mechanism facilitating its migration through the host tissues. Parasites and Vectors, 2020, 13, 203.	2.5	4
108	Evaluation of a 22 kDa Dirofilaria immitis antigen for the immunodiagnosis of human pulmonary dirofilariosis. Tropical Medicine and Parasitology: Official Organ of Deutsche Tropenmedizinische Gesellschaft and of Deutsche Gesellschaft Für Technische Zusammenarbeit (GTZ), 1994, 45, 249-52.	0.2	4

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109	Interaction of helminth parasites with the haemostatic system of their vertebrate hosts: a scoping review. Parasite, 2022, 29, 35.	2.0	4
110	Pulmonary dirofilariasis. Journal of Thoracic and Cardiovascular Surgery, 1991, 101, 1110.	0.8	3
111	Serological assays on eight cases of human dirofilariasis identified by morphology and DNA diagnostics. Annals of Tropical Medicine and Parasitology, 1999, 93, 147-152.	1.6	3
112	Proteomic analysis of Ascaridia galli. Identification of immunoreactive proteins in naturally and experimentally infected hens. Veterinary Parasitology, 2013, 196, 388-396.	1.8	3
113	A possible relationship between Thromboxane B2 and Leukotriene B4 and the encapsulation of <i>Dirofilaria repens</i> worms in human subcutaneous dirofilariasis. Journal of Helminthology, 2020, 94, e67.	1.0	3
114	Prevalence of canine and human dirofilariosis in Puebla, Mexico. Veterinary Parasitology, 2020, 282, 109098.	1.8	3
115	Host-Parasite Relationships in Porcine Ascariosis: Anticoagulant Potential of the Third Larval Stage of Ascaris suum as a Possible Survival Mechanism. Animals, 2021, 11, 804.	2.3	3
116	Subconjunctival human dirofilariasis by Dirofilaria repens in the Mediterranean Basin. American Journal of Ophthalmology Case Reports, 2022, 26, 101570.	0.7	3
117	Seasonal changes in the levels of anti-Dirofilaria immitis antibodies in an exposed human population. Tropical Medicine and Parasitology: Official Organ of Deutsche Tropenmedizinische Gesellschaft and of Deutsche Gesellschaft FÃ1⁄4r Technische Zusammenarbeit (GTZ), 1991, 42, 371-4.	0.2	2
118	Pulmonary dirofilariasis. Journal of Thoracic and Cardiovascular Surgery, 1991, 101, 1110.	0.8	2
119	Public health problems due to dirofilaria: The spanish situation. Veterinary Research Communications, 1996, 20, 340-344.	1.6	1
120	A case of human ocular dirofilariasis in a patient with multiple endocrine neoplasia in Northwest Spain. Enfermedades Infecciosas Y MicrobiologÃa ClÃnica, 2018, 36, 529-530.	0.5	1
121	Response to the Letter to the Editor regarding â€~Human dirofilariosis in the 21st century: A scoping review of clinical cases reported in the literature' by Simón etÂal. (Transboundary and Emerging) Tj ETQq1 1	03784314	l rgBT /Overla
122	Activities and subcellular localization of enzymes responsible for lipolysis and gluconeogenesis during the germination of Brassica campestris cv. esculenta seeds. Biochemical Systematics and Ecology, 1987, 15, 551-558.	1.3	0
123	A case of human ocular dirofilariasis in a patient with multiple endocrine neoplasia in Northwest Spain. Enfermedades Infecciosas Y Microbiologia Clinica (English Ed ), 2018, 36, 529-530.	0.3	0