

Patrick R Kircher

List of Publications by Year in descending order

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102
papers

1,644
citations

394390

19
h-index

434170

31
g-index

107
all docs

107
docs citations

107
times ranked

1608
citing authors

#	ARTICLE	IF	CITATIONS
1	<title>Weanling piglet cerebellum: a surrogate for tolerance to MRT (microbeam radiation therapy) in pediatric neuro-oncology</title>. , 2001, , .		122
2	A Missense Mutation in the SERPINH1 Gene in Dachshunds with Osteogenesis Imperfecta. PLoS Genetics, 2009, 5, e1000579.	3.5	115
3	Growth and wear of incisor and cheek teeth in domestic rabbits (<i>Oryctolagus cuniculus</i>) fed diets of different abrasiveness. Journal of Experimental Zoology, 2014, 321, 283-298.	1.2	85
4	COMPARISON OF ULTRASONOGRAPHIC FINDINGS WITH CLINICAL ACTIVITY INDEX (CIBDAI) AND DIAGNOSIS IN DOGS WITH CHRONIC ENTEROPATHIES. Veterinary Radiology and Ultrasound, 2008, 49, 56-64.	0.9	64
5	Haptoglobin administration into the subarachnoid space prevents hemoglobin-induced cerebral vasospasm. Journal of Clinical Investigation, 2019, 129, 5219-5235.	8.2	57
6	Tooth length and incisal wear and growth in guinea pigs (<i>Cavia porcellus</i>) fed diets of different abrasiveness. Journal of Animal Physiology and Animal Nutrition, 2015, 99, 591-604.	2.2	54
7	Urinary and Plasma Catecholamines and Metanephrines in Dogs with Pheochromocytoma, Hypercortisolism, Nonadrenal Disease and in Healthy Dogs. Journal of Veterinary Internal Medicine, 2015, 29, 597-602.	1.6	51
8	LOW-FIELD MRI AND ARTHROSCOPY OF MENISCAL LESIONS IN TEN DOGS WITH EXPERIMENTALLY INDUCED CRANIAL CRUCIATE LIGAMENT INSUFFICIENCY. Veterinary Radiology and Ultrasound, 2006, 47, 515-522.	0.9	48
9	THORACIC COMPUTED TOMOGRAPHY, ANGIOGRAPHIC COMPUTED TOMOGRAPHY, AND PATHOLOGY FINDINGS IN SIX CATS EXPERIMENTALLY INFECTED WITH <i>AELUROSTRONGYLUS ABSTRUSUS</i>. Veterinary Radiology and Ultrasound, 2013, 54, 459-469.	0.9	39
10	ENDOSCOPIC ULTRASOUND INSTRUMENTATION, APPLICATIONS IN HUMANS, AND POTENTIAL VETERINARY APPLICATIONS. Veterinary Radiology and Ultrasound, 2003, 44, 665-680.	0.9	30
11	Controlled feeding experiments with diets of different abrasiveness reveal slow development of mesowear signal in goats (<i>Capra aegagrus hircus</i>). Journal of Experimental Biology, 2018, 221, .	1.7	30
12	Mesowear represents a lifetime signal in sheep (<i>Ovis aries</i>) within a long-term feeding experiment. Palaeogeography, Palaeoclimatology, Palaeoecology, 2020, 553, 109793.	2.3	30
13	The rumen washes off abrasives before heavy-duty chewing in ruminants. Mammalian Biology, 2019, 97, 104-111.	1.5	25
14	A COMPLEMENTARY RADIOGRAPHIC PROJECTION OF THE EQUINE TEMPOROMANDIBULAR JOINT. Veterinary Radiology and Ultrasound, 2009, 50, 385-391.	0.9	24
15	MAGNETIC RESONANCE IMAGING FEATURES OF SINONASAL DISORDERS IN HORSES. Veterinary Radiology and Ultrasound, 2013, 54, 54-60.	0.9	24
16	The Advanced Locking Plate System (ALPS): A Retrospective Evaluation in 71 Small Animal Patients. Veterinary Surgery, 2014, 43, 127-135.	1.0	24
17	Effects of body position and extension of the neck and extremities on lung volume measured via computed tomography in red-eared slider turtles (<i>Trachemys scripta elegans</i>). Journal of the American Veterinary Medical Association, 2013, 243, 1190-1196.	0.5	23
18	ULTRASOUND-â€œGUIDED RETRIEVAL OF PLANT AWNS. Veterinary Radiology and Ultrasound, 2008, 49, 484-486.	0.9	22

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19	Extranodal B-cell lymphoma in the urinary bladder with cytological evidence of concurrent involvement of the gall bladder in a cat. <i>Journal of Small Animal Practice</i> , 2010, 51, 280-287.	1.2	21
20	EFFECT OF CONTRAST MEDIUM INJECTION DURATION ON PEAK ENHANCEMENT AND TIME TO PEAK ENHANCEMENT OF CANINE PULMONARY ARTERIES. <i>Veterinary Radiology and Ultrasound</i> , 2011, 52, 605-610.	0.9	20
21	Magnetic resonance imaging anatomy of the rabbit brain at 3T. <i>Acta Veterinaria Scandinavica</i> , 2015, 57, 47.	1.6	20
22	Influence of food composition on splanchnic blood flow during digestion in unsedated normal dogs: a Doppler study. <i>Veterinary Journal</i> , 2003, 166, 265-272.	1.7	19
23	ENDOSCOPIC ULTRASONOGRAPHY FOR THE DIAGNOSIS OF INTRATHORACIC LESIONS IN TWO DOGS. <i>Veterinary Radiology and Ultrasound</i> , 2003, 44, 292-299.	0.9	19
24	Transarticular Fixation With Cortical Screws Combined With Dorsal Laminectomy and Partial Discectomy as Surgical Treatment of Degenerative Lumbosacral Stenosis in 17 Dogs: Clinical and Computed Tomography Follow-up. <i>Veterinary Surgery</i> , 2014, 43, 405-413.	1.0	19
25	Comparison between magnetic resonance imaging, computed tomography, and arthrography to identify artificially induced cartilage defects of the equine carpal joints. <i>Veterinary Radiology and Ultrasound</i> , 2018, 59, 312-325.	0.9	18
26	The effect of the rumen washing mechanism in sheep differs with concentration and size of abrasive particles. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 550, 109728.	2.3	18
27	Congenital hypothyroidism in a kitten resulting in decreased IGF-I concentration and abnormal liver function tests. <i>Journal of Feline Medicine and Surgery</i> , 2010, 12, 487-490.	1.6	17
28	Comparison of ultrasonography and histologic examination for identification of ocular diseases of animals: 113 cases (2000-2010). <i>Journal of the American Veterinary Medical Association</i> , 2013, 243, 376-388.	0.5	17
29	Do dGEMRIC and T2 Imaging Correlate With Histologic Cartilage Degeneration in an Experimental Ovine FAI Model?. <i>Clinical Orthopaedics and Related Research</i> , 2019, 477, 990-1003.	1.5	17
30	ENDOSCOPIC ULTRASOUND OF THE CANINE ABDOMEN. <i>Veterinary Radiology and Ultrasound</i> , 2007, 48, 338-349.	0.9	16
31	RADIOGRAPHIC TECHNIQUE AND ANATOMY OF THE EQUINE SACROILIAC REGION. <i>Veterinary Radiology and Ultrasound</i> , 2007, 48, 501-506.	0.9	16
32	SCINTIGRAPHIC AND RADIOGRAPHIC APPEARANCE OF THE SACROILIAC REGION IN HORSES WITH GAIT ABNORMALITIES OR POOR PERFORMANCE. <i>Veterinary Radiology and Ultrasound</i> , 2009, 50, 208-214.	0.9	16
33	In vivo proton magnetic resonance spectroscopy for the evaluation of hepatic encephalopathy in dogs. <i>American Journal of Veterinary Research</i> , 2014, 75, 818-827.	0.6	16
34	Locking Compression Plate Fixation of Equine Tarsal Subluxations. <i>Veterinary Surgery</i> , 2015, 44, 949-956.	1.0	16
35	Root growth compensates for molar wear in adult goats (<i>Capra aegagrus hircus</i>). <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2019, 331, 139-148.	1.9	16
36	Magnetic resonance imaging features of a benign peripheral nerve sheath tumour with ancient changes in the tongue of a horse. <i>Equine Veterinary Education</i> , 2010, 22, 346-351.	0.6	15

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37	Feasibility and Safety of Endoscopic Ultrasound-Guided Fine Needle Aspiration of the Pancreas in Dogs. <i>Journal of Veterinary Internal Medicine</i> , 2012, 26, 513-517.	1.6	15
38	Computed tomography of the thorax in rabbits: a prospective study in ten clinically healthy New Zealand White rabbits. <i>Acta Veterinaria Scandinavica</i> , 2017, 59, 72.	1.6	15
39	Multiple myeloma in a dog with multiple concurrent infectious diseases and persistent polyclonal gammopathy. <i>Veterinary Clinical Pathology</i> , 2013, 42, 47-54.	0.7	14
40	Doppler Ultrasonographic Evaluation of Gastrointestinal Hemodynamics in Food Hypersensitivities: A Canine Model. <i>Journal of Veterinary Internal Medicine</i> , 2004, 18, 605-611.	1.6	13
41	MAGNETIC RESONANCE IMAGING ANATOMY OF THE NORMAL EQUINE LARYNX AND PHARYNX. <i>Veterinary Radiology and Ultrasound</i> , 2009, 50, 392-397.	0.9	13
42	Peripheral Nerve Sheath Tumor in a Subadult Golden Eagle (<i>Aquila chrysaetos</i>). <i>Journal of Avian Medicine and Surgery</i> , 2014, 28, 57-63.	0.5	13
43	Regional metabolite concentrations in the brain of healthy dogs measured by use of short echo time, single voxel proton magnetic resonance spectroscopy at 3.0 Tesla. <i>American Journal of Veterinary Research</i> , 2015, 76, 129-141.	0.6	13
44	COMPUTED TOMOGRAPHIC ANATOMY AND CHARACTERISTICS OF RESPIRATORY ASPERGILLOSIS IN JUVENILE WHOOPING CRANES. <i>Veterinary Radiology and Ultrasound</i> , 2016, 57, 16-23.	0.9	13
45	Measuring Rabbit (<i>Oryctolagus cuniculus</i>) Tooth Growth and Eruption by Fluorescence Markers and Bur Marks. <i>Journal of Veterinary Dentistry</i> , 2016, 33, 39-46.	0.3	13
46	Effects of isoflurane, sevoflurane, propofol and alfaxalone on brain metabolism in dogs assessed by proton magnetic resonance spectroscopy (1H MRS). <i>BMC Veterinary Research</i> , 2018, 14, 69.	1.9	13
47	Spontaneous regression of lumbar Hansen type 1 disk extrusion detected with magnetic resonance imaging in a dog. <i>Journal of the American Veterinary Medical Association</i> , 2014, 244, 715-718.	0.5	12
48	Screw Loosening and Pelvic Canal Narrowing After Lateral Plating of Feline Iliac Fractures With Locking and Nonlocking Plates. <i>Veterinary Surgery</i> , 2015, 44, 900-904.	1.0	12
49	COMPARISON BETWEEN PROTON MAGNETIC RESONANCE SPECTROSCOPY FINDINGS IN DOGS WITH TICK-BORNE ENCEPHALITIS AND CLINICALLY NORMAL DOGS. <i>Veterinary Radiology and Ultrasound</i> , 2017, 58, 53-61.	0.9	12
50	IMAGING DIAGNOSIS: THE ABDOMINAL AIR-VASCULOGRAM IN A DOG WITH SPLENIC TORSION AND CLOSTRIDIAL INFECTION. <i>Veterinary Radiology and Ultrasound</i> , 2003, 44, 553-555.	0.9	11
51	Pattern recognition and feature extraction of canine celiac and cranial mesenteric arterial waveforms: Normal versus chronic enteropathy – A pilot study. <i>Veterinary Journal</i> , 2005, 169, 242-250.	1.7	11
52	The use of computed tomography in the diagnosis of pelvic fractures involving the acetabulum in two fillies. <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 2011, 24, 68-71.	0.5	11
53	THREE TESLA MAGNETIC RESONANCE IMAGING FINDINGS IN 12 CASES OF CANINE CENTRAL EUROPEAN TICK-BORNE MENINGOENCEPHALOMYELITIS. <i>Veterinary Radiology and Ultrasound</i> , 2016, 57, 41-48.	0.9	11
54	Radiographic Measurement of Hindlimb Digit Length in Standing Heifers. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2016, 45, 463-468.	0.7	11

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55	Two-Dimensional Grayscale Ultrasound and Spectral Doppler Waveform Evaluation of Dogs with Chronic Enteropathies. <i>Topics in Companion Animal Medicine</i> , 2007, 22, 122-127.	0.6	10
56	3 TESLA MAGNETIC RESONANCE IMAGING OF THE OCCIPITOATLANTOAXIAL REGION IN THE NORMAL HORSE. <i>Veterinary Radiology and Ultrasound</i> , 2014, 55, 278-285.	0.9	10
57	Gadolinium deposition in the brain of dogs after multiple intravenous administrations of linear gadolinium based contrast agents. <i>PLoS ONE</i> , 2020, 15, e0227649.	2.5	10
58	Intracranial haemorrhage in an eight-week-old puppy. <i>Veterinary Record</i> , 2004, 154, 338-339.	0.3	9
59	Evaluation of intracranial neoplasia and noninfectious meningoencephalitis in dogs by use of short echo time, single voxel proton magnetic resonance spectroscopy at 3.0 Tesla. <i>American Journal of Veterinary Research</i> , 2016, 77, 452-462.	0.6	9
60	A newly designed radiation therapy protocol in combination with prednisolone as treatment for meningoencephalitis of unknown origin in dogs: a prospective pilot study introducing magnetic resonance spectroscopy as monitor tool. <i>Acta Veterinaria Scandinavica</i> , 2015, 57, 4.	1.6	8
61	Evaluation of a novel, patient-mounted system for CT-guided needle navigation—an ex vivo study. <i>Neuroradiology</i> , 2019, 61, 55-61.	2.2	8
62	Tooth wear, growth and height in rabbits (<i>Oryctolagus cuniculus</i>) fed pelleted or extruded diets with or without added abrasives. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2021, , .	2.2	8
63	Collateral ligament prosthesis for the repair of subluxation of the metatarsophalangeal joint in a Jersey cow. <i>Veterinary Record</i> , 2000, 146, 640-643.	0.3	7
64	Endoscopic ultrasonographic evaluation of the esophagus in healthy dogs. <i>American Journal of Veterinary Research</i> , 2013, 74, 1005-1009.	0.6	7
65	IMAGING DIAGNOSIS—CONVENTIONAL AND FUNCTIONAL MAGNETIC RESONANCE IMAGING OF A BRAIN ABSCESS IN A GOAT. <i>Veterinary Radiology and Ultrasound</i> , 2014, 55, 68-73.	0.9	7
66	Use of a 3-Tesla magnet to perform delayed gadolinium-enhanced magnetic resonance imaging of the distal interphalangeal joint of horses with and without naturally occurring osteoarthritis. <i>American Journal of Veterinary Research</i> , 2018, 79, 287-298.	0.6	7
67	MRI findings in a case of canine tick born meningoencephalomyelitis. <i>Schweizer Archiv Fur Tierheilkunde</i> , 2014, 156, 395-399.	0.8	7
68	Macrowear effects of external quartz abrasives of different size and concentration in rabbits (<i>Oryctolagus cuniculus</i>). <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2022, 338, 586-597.	1.3	7
69	Comparison of Clinical and Pathological Diagnoses in Cats and Dogs. <i>Journal of Comparative Pathology</i> , 2017, 156, 217-234.	0.4	6
70	Femoral osteochondroplasty can be performed effectively without the risk of avascular necrosis or femoral neck fractures in an experimental ovine FAI model. <i>Osteoarthritis and Cartilage</i> , 2018, 26, 128-137.	1.3	6
71	3.0 Tesla magnetic resonance imaging anatomy of the central nervous system, eye, and inner ear in birds of prey. <i>Veterinary Radiology and Ultrasound</i> , 2018, 59, 705-714.	0.9	6
72	Preliminary evidence for a forestomach washing mechanism in llamas (<i>Lama glama</i>). <i>Mammalian Biology</i> , 2021, 101, 941-948.	1.5	6

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73	Salter-Harris type II metacarpal and metatarsal fracture in three foals. <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 2016, 29, 239-245.	0.5	5
74	Perfusion- and diffusion-weighted magnetic resonance imaging of the liver of healthy dogs. <i>American Journal of Veterinary Research</i> , 2016, 77, 463-470.	0.6	5
75	Effects of contrast medium injection technique on attenuation values of adrenal glands in healthy dogs during contrast-enhanced computed tomography. <i>American Journal of Veterinary Research</i> , 2016, 77, 144-150.	0.6	5
76	Comparison of left and right ventricular stroke volume of dogs calculated on the basis of morphology and blood flow determined by use of cardiac magnetic resonance imaging. <i>American Journal of Veterinary Research</i> , 2017, 78, 1163-1170.	0.6	5
77	Prevalence of humeral head osteochondrosis in the Greater Swiss Mountain dog and the Border Collie in Switzerland. <i>Schweizer Archiv Fur Tierheilkunde</i> , 2016, 158, 749-754.	0.8	5
78	Ulnar osteotomy for treatment of cubital subluxation, following locking compression plate osteosynthesis of a radius fracture in a foal. <i>Equine Veterinary Education</i> , 2011, 23, 455-461.	0.6	4
79	EFFECT OF VENTILATION TECHNIQUE AND AIRWAY DIAMETER ON BRONCHIAL LUMEN TO PULMONARY ARTERY DIAMETER RATIOS IN CLINICALLY NORMAL BEAGLE DOGS. <i>Veterinary Radiology and Ultrasound</i> , 2013, 54, 605-609.	0.9	4
80	Diffusion-weighted and perfusion-weighted magnetic resonance imaging of the prostate gland of healthy adult dogs. <i>American Journal of Veterinary Research</i> , 2019, 80, 832-839.	0.6	4
81	Evaluation of L7-S1 nerve root pathology with low-field MRI in dogs with lumbosacral foraminal stenosis. <i>Veterinary Surgery</i> , 2020, 49, 947-957.	1.0	4
82	Does real-time elastography aid in differentiating canine splenic nodules?. <i>Schweizer Archiv Fur Tierheilkunde</i> , 2013, 155, 491-496.	0.8	4
83	Influence of injection protocol and measurement technique on computed tomographic assessment of glomerular filtration rate in healthy Beagles. <i>American Journal of Veterinary Research</i> , 2018, 79, 1298-1305.	0.6	3
84	Perfusion-weighted and diffusion-weighted magnetic resonance imaging of the liver, spleen, and kidneys of healthy adult male cats. <i>American Journal of Veterinary Research</i> , 2019, 80, 159-167.	0.6	3
85	MRI-guided, transrectal, intraprostatic steam application as potential focal therapeutic modality for prostatic diseases in a large animal translational model: A feasibility follow-up study. <i>PLoS ONE</i> , 2019, 14, e0226764.	2.5	3
86	Whole-heart 4D flow cardiac magnetic resonance in healthy dogs. <i>Schweizer Archiv Fur Tierheilkunde</i> , 2018, 160, 295-303.	0.8	3
87	Doppler Ultrasonographic Evaluation of Gastrointestinal Hemodynamics in Food Hypersensitivities: A Canine Model. <i>Journal of Veterinary Internal Medicine</i> , 2004, 18, 605.	1.6	3
88	Angle of insertion and confirmation of angles measured after in vitro implantation during laminar vertebral stabilization in vertebral columns obtained from canine cadavers. <i>American Journal of Veterinary Research</i> , 2011, 72, 1674-1680.	0.6	2
89	Osteomyelitis of the hyoid bones in two calves. <i>Acta Veterinaria Scandinavica</i> , 2015, 57, 52.	1.6	2
90	3 Tesla magnetic resonance imaging study of the normal canine femoral and sciatic nerves. <i>Veterinary Radiology and Ultrasound</i> , 2017, 58, 598-606.	0.9	2

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91	Non-invasive quantification of hepatic fat content in healthy dogs by using proton magnetic resonance spectroscopy and dual gradient echo magnetic resonance imaging. <i>Journal of Veterinary Science</i> , 2018, 19, 570.	1.3	2
92	Congenital unilateral facial nerve paralysis in a Warmblood filly. <i>Equine Veterinary Education</i> , 2019, 31, 80-87.	0.6	2
93	Sand accumulation in the digestive tract of rabbits (<i>Oryctolagus cuniculus</i>) and guinea pigs (<i>Cavia porcellus</i>): The role of the appendix. <i>Journal of Morphology</i> , 2022, 283, 5-15.	1.2	2
94	Hypoattenuating periportal halo on CT in a patient population can occur in presence of a variety of diseases. <i>PLoS ONE</i> , 2022, 17, e0260436.	2.5	2
95	X-ray phase contrast imaging of soft tissue specimens. , 2011, , .		1
96	Comparison of hock- and footpad-injection as a prostate adenocarcinoma model in rats. <i>BMC Veterinary Research</i> , 2018, 14, 327.	1.9	1
97	Assessment of Myocardial Perfusion at Rest and During Stress Using Dynamic First-Pass Contrast-Enhanced Magnetic Resonance Imaging in Healthy Dogs. <i>Frontiers in Veterinary Science</i> , 2018, 5, 211.	2.2	1
98	Evaluation of the changes in hepatic apparent diffusion coefficient and hepatic fat fraction in healthy cats during body weight gain. <i>American Journal of Veterinary Research</i> , 2020, 81, 796-803.	0.6	1
99	Evaluation of agreement and correlation of results obtained with MRI-based and macroscopic observation-based grading schemes when used to assess intervertebral disk degeneration in cats. <i>American Journal of Veterinary Research</i> , 2020, 81, 309-316.	0.6	1
100	Sample strategies for quantification of hepatic fat fraction mean MRI in healthy cats during body weight gain. <i>PLoS ONE</i> , 2020, 15, e0241905.	2.5	1
101	Repair of a canine patellar ligament rupture using the ComPact UniLock 2.4/3.0 mm System. <i>Schweizer Archiv Fur Tierheilkunde</i> , 2013, 155, 505-509.	0.8	0
102	Cardiac-gated, phase contrast magnetic resonance angiography is a reliable and reproducible technique for quantifying blood flow in canine major cranial abdominal vessels. <i>Veterinary Radiology and Ultrasound</i> , 2018, 59, 423-431.	0.9	0