

# Daniel Pang

## List of Publications by Year in descending order

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Version: 2024-02-01

96  
papers

1,985  
citations

257357

24  
h-index

276775

41  
g-index

111  
all docs

111  
docs citations

111  
times ranked

1816  
citing authors

#	ARTICLE	IF	CITATIONS
1	Refinement of intraperitoneal injection of sodium pentobarbital for euthanasia in laboratory rats ( <i>Rattus norvegicus</i> ). <i>BMC Veterinary Research</i> , 2016, 13, 60.	0.7	114
2	Lubricin/Proteoglycan 4 binds to and regulates the activity of Toll-Like Receptors In Vitro. <i>Scientific Reports</i> , 2016, 6, 18910.	1.6	112
3	ARRIVE has not ARRIVED: Support for the ARRIVE (Animal Research: Reporting of in vivo Experiments) guidelines does not improve the reporting quality of papers in animal welfare, analgesia or anesthesia. <i>PLoS ONE</i> , 2018, 13, e0197882.	1.1	110
4	Facial expressions of pain in cats: the development and validation of a Feline Grimace Scale. <i>Scientific Reports</i> , 2019, 9, 19128.	1.6	108
5	Lactate in Veterinary Critical Care: Pathophysiology and Management. <i>Journal of the American Animal Hospital Association</i> , 2007, 43, 270-279.	0.5	106
6	A Review of Pain Assessment Methods in Laboratory Rodents. <i>Comparative Medicine</i> , 2019, 69, 451-467.	0.4	85
7	The development and use of facial grimace scales for pain measurement in animals. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 116, 480-493.	2.9	81
8	Psychometric Assessment of the Rat Grimace Scale and Development of an Analgesic Intervention Score. <i>PLoS ONE</i> , 2014, 9, e97882.	1.1	81
9	An unexpected role for TASK-3 potassium channels in network oscillations with implications for sleep mechanisms and anesthetic action. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 17546-17551.	3.3	80
10	Real-time application of the Rat Grimace Scale as a welfare refinement in laboratory rats. <i>Scientific Reports</i> , 2016, 6, 31667.	1.6	63
11	Review of Intraperitoneal Injection of Sodium Pentobarbital as a Method of Euthanasia in Laboratory Rodents. <i>Journal of the American Association for Laboratory Animal Science</i> , 2020, 59, 254-263.	0.6	63
12	The relationship between the Rat Grimace Scale and mechanical hypersensitivity testing in three experimental pain models. <i>European Journal of Pain</i> , 2016, 20, 417-426.	1.4	51
13	Target-controlled infusion of propofol in dogs - evaluation of four targets for induction of anaesthesia. <i>Veterinary Record</i> , 2005, 157, 766-770.	0.2	48
14	Sedation levels in dogs: a validation study. <i>BMC Veterinary Research</i> , 2017, 13, 110.	0.7	47
15	Effects of ketamine and alfaxalone on application of a feline pain assessment scale. <i>Journal of Feline Medicine and Surgery</i> , 2016, 18, 643-651.	0.6	31
16	The influence of demeanor on scores from two validated feline pain assessment scales during the perioperative period. <i>Veterinary Anaesthesia and Analgesia</i> , 2017, 44, 646-655.	0.3	31
17	Influence of Rater Training on Inter- and Intrarater Reliability When Using the Rat Grimace Scale. <i>Journal of the American Association for Laboratory Animal Science</i> , 2019, 58, 178-183.	0.6	31
18	Clinical applicability of the Feline Grimace Scale: real-time versus image scoring and the influence of sedation and surgery. <i>PeerJ</i> , 2020, 8, e8967.	0.9	31

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19	Comparison of a Supraglottic Airway Device (v-gel <sup>®</sup> ) with Blind Orotracheal Intubation in Rabbits. <i>Frontiers in Veterinary Science</i> , 2017, 4, 49.	0.9	30
20	RECOVER evidence and knowledge gap analysis on veterinary CPR. Part 5: Monitoring. <i>Journal of Veterinary Emergency and Critical Care</i> , 2012, 22, S65-84.	0.4	29
21	Critical incidence reporting systems – an option in equine anaesthesia? Results from a panel meeting. <i>Veterinary Anaesthesia and Analgesia</i> , 2013, 40, e3-e8.	0.3	29
22	A systematic review of clinical audit in companion animal veterinary medicine. <i>BMC Veterinary Research</i> , 2016, 12, 40.	0.7	29
23	Forced-air pre-warming prevents peri-anaesthetic hypothermia and shortens recovery in adult rats. <i>Laboratory Animals</i> , 2018, 52, 142-151.	0.5	27
24	Effects of Prednisone on Blood Lactate Concentrations in Healthy Dogs. <i>Journal of Veterinary Internal Medicine</i> , 2009, 23, 1123-1125.	0.6	26
25	Student Attainment of Proficiency in a Clinical Skill: The Assessment of Individual Learning Curves. <i>PLoS ONE</i> , 2014, 9, e88526.	1.1	26
26	A comparison of alfaxalone and propofol on intraocular pressure in healthy dogs. <i>Veterinary Ophthalmology</i> , 2014, 17, 411-416.	0.6	25
27	Comparing the Rat Grimace Scale and a composite behaviour score in rats. <i>PLoS ONE</i> , 2019, 14, e0209467.	1.1	24
28	Performance of behavioral assays: the Rat Grimace Scale, burrowing activity and a composite behavior score to identify visceral pain in an acute and chronic colitis model. <i>Pain Reports</i> , 2019, 4, e718.	1.4	24
29	Application of fast-track surgery principles to evaluate effects of atipamezole on recovery and analgesia following ovariohysterectomy in cats anesthetized with dexmedetomidine-ketamine-hydromorphone. <i>Journal of the American Veterinary Medical Association</i> , 2015, 246, 645-653.	0.2	22
30	A clinical audit cycle of post-operative hypothermia in dogs. <i>Journal of Small Animal Practice</i> , 2016, 57, 447-452.	0.5	22
31	Assessment of Carbon Dioxide, Carbon Dioxide/Oxygen, Isoflurane and Pentobarbital Killing Methods in Adult Female Sprague-Dawley Rats. <i>PLoS ONE</i> , 2016, 11, e0162639.	1.1	22
32	The use of lingual venous blood to determine the acid-base and blood-gas status of dogs under anesthesia. <i>Veterinary Anaesthesia and Analgesia</i> , 2009, 36, 124-132.	0.3	21
33	Pre-warming before general anesthesia with isoflurane delays the onset of hypothermia in rats. <i>PLoS ONE</i> , 2020, 15, e0219722.	1.1	21
34	Congenital Branchial Apparatus Malformation in a Haflinger Colt. <i>Veterinary Surgery</i> , 2008, 37, 3-11.	0.5	19
35	Post-anesthetic pulmonary edema in two horses. <i>Veterinary Anaesthesia and Analgesia</i> , 2010, 37, 136-143.	0.3	19
36	Carbon dioxide, but not isoflurane, elicits ultrasonic vocalizations in female rats. <i>Laboratory Animals</i> , 2013, 47, 324-327.	0.5	19

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37	Incomplete reporting of experimental studies and items associated with risk of bias in veterinary research. <i>Veterinary Record Open</i> , 2019, 6, e000322.	0.3	18
38	Successful treatment of hyperkalaemic periodic paralysis in a horse during isoflurane anaesthesia. <i>Veterinary Anaesthesia and Analgesia</i> , 2011, 38, 113-120.	0.3	17
39	Dynamic prediction of fluid responsiveness during positive pressure ventilation: a review of the physiology underlying heart-lung interactions and a critical interpretation. <i>Veterinary Anaesthesia and Analgesia</i> , 2020, 47, 3-14.	0.3	17
40	Efficacy of a portable oxygen concentrator with pulsed delivery for treatment of hypoxemia during equine field anesthesia. <i>Veterinary Anaesthesia and Analgesia</i> , 2015, 42, 518-526.	0.3	15
41	Sound Pressure Levels in 2 Veterinary Intensive Care Units. <i>Journal of Veterinary Internal Medicine</i> , 2015, 29, 1013-1021.	0.6	14
42	Morbidity and Mortality Conferences: A Mini Review and Illustrated Application in Veterinary Medicine. <i>Frontiers in Veterinary Science</i> , 2018, 5, 43.	0.9	14
43	Assessing analgesia equivalence and appetite following alfaxalone- or ketamine-based injectable anesthesia for feline castration as an example of enhanced recovery after surgery. <i>Journal of Feline Medicine and Surgery</i> , 2018, 20, 73-82.	0.6	12
44	CCL22 is a biomarker of cartilage injury and plays a functional role in chondrocyte apoptosis. <i>Cytokine</i> , 2019, 115, 32-44.	1.4	12
45	Intraperitoneal injection of sodium pentobarbital has the potential to elicit pain in adult rats ( <i>Rattus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.1	12
46	Evaluating Intrahepatic and Intraperitoneal Sodium Pentobarbital or Ethanol for Mouse Euthanasia. <i>Journal of the American Association for Laboratory Animal Science</i> , 2020, 59, 264-268.	0.6	12
47	THE EFFECTS OF TWO DOSAGES OF MIDAZOLAM ON SHORT-DURATION ANESTHESIA IN THE HARP SEAL ( <i>PHOCA GROENLANDICA</i> ). <i>Journal of Zoo and Wildlife Medicine</i> , 2006, 37, 27-32.	0.3	9
48	Use of end-tidal partial pressure of carbon dioxide to predict arterial partial pressure of carbon dioxide in harp seals during isoflurane-induced anesthesia. <i>American Journal of Veterinary Research</i> , 2006, 67, 1131-1135.	0.3	8
49	Partial pressure of end-tidal CO <sub>2</sub> sampled via an intranasal catheter as a substitute for partial pressure of arterial CO <sub>2</sub> in dogs. <i>Journal of Veterinary Emergency and Critical Care</i> , 2007, 17, 143-148.	0.4	8
50	Heating Pad Performance and Efficacy of 2 Durations of Warming after Isoflurane Anesthesia of Sprague-Dawley Rats ( <i>Rattus</i> ). <i>Journal of the American Association for Laboratory Animal Science</i> , 2017, 56, 786-791.	0.6	8
51	Randomization, blinding, data handling and sample size estimation in papers published in <i>Veterinary Anaesthesia and Analgesia</i> in 2009 and 2019. <i>Veterinary Anaesthesia and Analgesia</i> , 2022, 49, 18-25.	0.3	7
52	Hypothermia During General Anesthesia Interferes with Pain Assessment in Laboratory Rats ( <i>Rattus</i> ) Tj ETQq0 0,0 rgBT /Overlock 10	0,6	7
53	A randomized clinical trial comparing butorphanol and buprenorphine within a multimodal analgesic protocol in cats undergoing orchiectomy. <i>Journal of Feline Medicine and Surgery</i> , 2020, 22, 760-767.	0.6	6
54	A Pharmacokinetic-Pharmacodynamic Study of Intravenous Midazolam and Flumazenil in Adult New Zealand White Californian Rabbits ( <i>Oryctolagus cuniculus</i> ). <i>Journal of the American Association for Laboratory Animal Science</i> , 2021, 60, 319-328.	0.6	6

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55	Pre-emptive and continuous inhaled NO counteracts the cardiopulmonary consequences of extracorporeal circulation in a pig model. Nitric Oxide - Biology and Chemistry, 2006, 14, 261-271.	1.2	5
56	Agreement between invasive and oscillometric arterial blood pressure measurements using the LifeWindow multiparameter monitor and two cuff sizes in anesthetized adult horses. Veterinary Anaesthesia and Analgesia, 2020, 47, 315-322.	0.3	5
57	Management of veterinary anaesthesia in small animals: A survey of current practice in Quebec. PLoS ONE, 2020, 15, e0227204.	1.1	5
58	Difficult orotracheal intubation in a rabbit resulting from the presence of faecal pellets in the oropharynx. Veterinary Record Case Reports, 2016, 4, e000265.	0.1	4
59	Hypoventilation following oxygen administration associated with alfaxaloneâ€“dexmedetomidineâ€“midazolam anesthesia in New Zealand White rabbits. Veterinary Anaesthesia and Analgesia, 2020, 47, 637-646.	0.3	4
60	Development and Testing of a Sedation Scale for Use in Rabbits ( <i>Oryctolagus cuniculus</i> ). Journal of the American Association for Laboratory Animal Science, 2021, 60, 549-555.	0.6	4
61	Prewarming Followed by Active Warming is Superior to Passive Warming in Preventing Hypothermia for Short Procedures in Adult Rats ( <i>Rattus norvegicus</i> ) Under Isoflurane Anesthesia. Journal of the American Association for Laboratory Animal Science, 2020, , .	0.6	4
62	Accidental knotting and subsequent removal of a catheter from the epidural space in an adult cow: a case report. Clinical Case Reports (discontinued), 2017, 5, 2080-2084.	0.2	3
63	ANESTHESIA OF AQUARIUM-HOUSED WALRUS ( <i>ODOBENUS ROSMARIUS</i> ): A CASE SERIES. Journal of Zoo and Wildlife Medicine, 2018, 49, 435-443.	0.3	3
64	Misconceptions surrounding the relationship between journal impact factor and citation distribution in veterinary medicine. Veterinary Anaesthesia and Analgesia, 2019, 46, 163-172.	0.3	3
65	Development of a sedation assessment scale for comparing the sedative effects of alfaxalone-hydromorphone and ketamine-midazolam-hydromorphone for intravenous catheterization in the domestic rat ( <i>Rattus norvegicus</i> ). Journal of Exotic Pet Medicine, 2020, 35, 117-122.	0.2	3
66	Aversion to Desflurane and Isoflurane in Sprague-Dawley Rats ( <i>Rattus norvegicus</i> ). Animals, 2020, 10, 950.	1.0	3
67	Use of Clinical Audits to Evaluate Timing of Preoperative Antimicrobials in Equine Surgery at a Veterinary Teaching Hospital. Frontiers in Veterinary Science, 2021, 8, 630111.	0.9	3
68	Increased Alveolar and Plasma Gelatinases Activity during Postpump Syndrome: Inhibition by Inhaled Nitric Oxide. Journal of Cardiovascular Pharmacology, 2006, 48, 71-78.	0.8	2
69	Suspected anaphylaxis from intravenous cefazolin during general anaesthesia in a dog. Veterinary Record Case Reports, 2016, 4, e000352.	0.1	2
70	Pathology in Practice. Journal of the American Veterinary Medical Association, 2018, 253, 427-429.	0.2	2
71	A closed â€“popâ€“offâ€“ valve and patient safety incident: A human factors approach to understanding error. Veterinary Record Case Reports, 0, , e189.	0.1	2
72	A practical guide to implementing clinical audit. Canadian Veterinary Journal, 2021, 62, 145-152.	0.0	2

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73	Intubation following high-dose rocuronium in a cat with protracted laryngospasm. <i>Journal of Feline Medicine and Surgery Open Reports</i> , 2017, 3, 205511691773364.	0.1	1
74	Application of confidence intervals to data interpretation. <i>Canadian Veterinary Journal</i> , 2016, 57, 547.	0.0	1
75	Investigating novel anatomical predictors for endotracheal tube selection in dogs. <i>Canadian Veterinary Journal</i> , 2019, 60, 848-854.	0.0	1
76	Management of a severe peripartum hemorrhage following cesarean section in a dog. <i>Canadian Veterinary Journal</i> , 2020, 61, 589-594.	0.0	1
77	Hypothermia During General Anesthesia Interferes with Pain Assessment in Laboratory Rats (). <i>Journal of the American Association for Laboratory Animal Science</i> , 2020, 59, 719-725.	0.6	1
78	Pre-warming following premedication limits hypothermia before and during anesthesia in Sprague-Dawley rats. <i>Canadian Journal of Veterinary Research</i> , 2021, 85, 106-111.	0.2	1
79	Absence of measurement is not evidence of absence. <i>Journal of Feline Medicine and Surgery</i> , 2018, 20, 1001-1002.	0.6	0
80	Impact of preanaesthetic echocardiography on the planned anaesthetic management of cats. <i>Veterinary Anaesthesia and Analgesia</i> , 2020, 47, 614-620.	0.3	0
81	Predicting the duration of surgery and procedures in a veterinary referral center. <i>Veterinary Surgery</i> , 2020, 49, 561-569.	0.5	0
82	Assessment of an Electronic Mechanical Sensory Threshold Testing Device (RatMet) in Wistar rats ( <i>Rattus norvegicus</i> ). <i>Journal of the American Association for Laboratory Animal Science</i> , 2021, 60, 77-84.	0.6	0
83	Prevalence and management of pain in dogs in the emergency service of a veterinary teaching hospital. <i>Canadian Veterinary Journal</i> , 2020, 61, 294-300.	0.0	0
84	Teleconsulting in the time of a global pandemic: Application to anesthesia and technological considerations. <i>Canadian Veterinary Journal</i> , 2020, 61, 1092-1100.	0.0	0
85	Intrahepatic Injection of Sodium Pentobarbital as an Alternative to Intraperitoneal Injection for the Euthanasia of Rats ( <i>Rattus norvegicus</i> ). <i>Journal of the American Association for Laboratory Animal Science</i> , 2022, , .	0.6	0
86	Pre-warming before general anesthesia with isoflurane delays the onset of hypothermia in rats. , 2020, 15, e0219722.		0
87	Pre-warming before general anesthesia with isoflurane delays the onset of hypothermia in rats. , 2020, 15, e0219722.		0
88	Pre-warming before general anesthesia with isoflurane delays the onset of hypothermia in rats. , 2020, 15, e0219722.		0
89	Pre-warming before general anesthesia with isoflurane delays the onset of hypothermia in rats. , 2020, 15, e0219722.		0
90	Pre-warming before general anesthesia with isoflurane delays the onset of hypothermia in rats. , 2020, 15, e0219722.		0

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91	Pre-warming before general anesthesia with isoflurane delays the onset of hypothermia in rats. , 2020, 15, e0219722.		0
92	Management of veterinary anaesthesia in small animals: A survey of current practice in Quebec. , 2020, 15, e0227204.		0
93	Management of veterinary anaesthesia in small animals: A survey of current practice in Quebec. , 2020, 15, e0227204.		0
94	Management of veterinary anaesthesia in small animals: A survey of current practice in Quebec. , 2020, 15, e0227204.		0
95	Management of veterinary anaesthesia in small animals: A survey of current practice in Quebec. , 2020, 15, e0227204.		0
96	Surgical correction of left auricular aneurysm herniation through a pericardial defect in a dog with atrial fibrillation and mitral valve disease. Veterinary Record Case Reports, 2022, 10, .	0.1	0