

Darko Stefanovski

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4623672/publications.pdf>

Version: 2024-02-01

120
papers

1,595
citations

471509

17
h-index

395702

33
g-index

124
all docs

124
docs citations

124
times ranked

2111
citing authors

#	ARTICLE	IF	CITATIONS
1	Gastric bypass versus sleeve gastrectomy in patients with type 2 diabetes (Oseberg): a single-centre, triple-blind, randomised controlled trial. <i>Lancet Diabetes and Endocrinology</i> , 2019, 7, 912-924.	11.4	138
2	Central injection of fibroblast growth factor 1 induces sustained remission of diabetic hyperglycemia in rodents. <i>Nature Medicine</i> , 2016, 22, 800-806.	30.7	119
3	WinSAAM: a windows-based compartmental modeling system. <i>Metabolism: Clinical and Experimental</i> , 2003, 52, 1153-1166.	3.4	110
4	Islet Hormone and Incretin Secretion in Cystic Fibrosis after Four Months of Ivacaftor Therapy. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 342-351.	5.6	77
5	Reduced β -Cell Secretory Capacity in Pancreatic-Insufficient, but Not Pancreatic-Sufficient, Cystic Fibrosis Despite Normal Glucose Tolerance. <i>Diabetes</i> , 2017, 66, 134-144.	0.6	62
6	Baseline insulin sensitivity affects response to high-amylose maize resistant starch in women: a randomized, controlled trial. <i>Nutrition and Metabolism</i> , 2016, 13, 2.	3.0	41
7	β -Cell secretory defects are present in pancreatic insufficient cystic fibrosis with 1-hour oral glucose tolerance test glucose ≥ 155 mg/dL. <i>Pediatric Diabetes</i> , 2018, 19, 1173-1182.	2.9	38
8	Peripheral Mechanisms Mediating the Sustained Antidiabetic Action of FGF1 in the Brain. <i>Diabetes</i> , 2019, 68, 654-664.	0.6	38
9	Are horse age and incision length associated with surgical site infection following equine colic surgery?. <i>Veterinary Journal</i> , 2016, 217, 3-7.	1.7	37
10	Newer and select maize, wheat, and rice varieties can help mitigate N footprint while producing more grain. <i>Global Change Biology</i> , 2019, 25, 4273-4281.	9.5	35
11	Evidence That the Sympathetic Nervous System Elicits Rapid, Coordinated, and Reciprocal Adjustments of Insulin Secretion and Insulin Sensitivity During Cold Exposure. <i>Diabetes</i> , 2017, 66, 823-834.	0.6	34
12	Glucose intolerance induced by blockade of central FGF receptors is linked to an acute stress response. <i>Molecular Metabolism</i> , 2015, 4, 561-568.	6.5	25
13	Comparison of nasopharyngeal and guttural pouch specimens to determine the optimal sampling site to detect <i>Streptococcus equi</i> subsp <i>equi</i> carriers by DNA amplification. <i>BMC Veterinary Research</i> , 2017, 13, 75.	1.9	25
14	Validation of standing cone beam computed tomography for diagnosing subchondral fetlock pathology in the Thoroughbred racehorse. <i>Equine Veterinary Journal</i> , 2021, 53, 510-523.	1.7	23
15	Gram-negative multi-drug resistant bacteria influence survival to discharge for horses with septic synovial structures: 206 Cases (2010–2015). <i>Veterinary Microbiology</i> , 2018, 226, 64-73.	1.9	22
16	Sustained Interleukin-10 Transgene Expression Following Intra-Articular AAV5-IL-10 Administration to Horses. <i>Human Gene Therapy</i> , 2020, 31, 110-118.	2.7	22
17	Detection of intra-articular gene therapy in horses using quantitative real time PCR in synovial fluid and plasma. <i>Drug Testing and Analysis</i> , 2020, 12, 743-751.	2.6	21
18	Randomized Controlled Study of Metformin and Sitagliptin on Long-term Normoglycemia Remission in African American Patients With Hyperglycemic Crises. <i>Diabetes Care</i> , 2016, 39, 1948-1955.	8.6	19

#	ARTICLE	IF	CITATIONS
19	The estrogen effect; clinical and histopathological evidence of dichotomous influences in dogs with spontaneous mammary carcinomas. <i>PLoS ONE</i> , 2019, 14, e0224504.	2.5	18
20	Equine cheek tooth extraction: Comparison of outcomes for five extraction methods. <i>Equine Veterinary Journal</i> , 2020, 52, 181-186.	1.7	18
21	Comparison of Tube, Gel, and Immunochromatographic Strip Methods for Evaluation of Blood Transfusion Compatibility in Horses. <i>Journal of Veterinary Internal Medicine</i> , 2016, 30, 1864-1871.	1.6	17
22	Effect of Sitagliptin on Islet Function in Pancreatic Insufficient Cystic Fibrosis With Abnormal Glucose Tolerance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 2617-2634.	3.6	17
23	Effect of adrenal medullectomy on metabolic responses to chronic intermittent hypoxia in the frequently sampled intravenous glucose tolerance test. <i>Journal of Applied Physiology</i> , 2017, 122, 767-774.	2.5	16
24	Developing and testing prognostic bio-scoring systems for canine mammary gland carcinomas. <i>Veterinary and Comparative Oncology</i> , 2019, 17, 479-488.	1.8	16
25	Rapid development of cardiac dysfunction in a canine model of insulin resistance and moderate obesity. <i>Diabetologia</i> , 2016, 59, 197-207.	6.3	15
26	Prediction of Packed Cell Volume after Whole Blood Transfusion in Small Ruminants and South American Camelids: 80 Cases (2006-2016). <i>Journal of Veterinary Internal Medicine</i> , 2017, 31, 1900-1904.	1.6	15
27	Mixed Meal and Intravenous L-Arginine Tests Both Stimulate Incretin Release Across Glucose Tolerance in Man: Lack of Correlation with β Cell Function. <i>Metabolic Syndrome and Related Disorders</i> , 2018, 16, 406-415.	1.3	15
28	Hybrid single-port laparoscopic cisterna chyli ablation for the adjunct treatment of chylothorax disease in dogs. <i>Veterinary Surgery</i> , 2019, 48, O121-O129.	1.0	15
29	In-hospital administration of dexmedetomidine oromucosal gel for stress reduction in dogs during veterinary visits: A randomized, double-blinded, placebo-controlled study. <i>Journal of Veterinary Behavior: Clinical Applications and Research</i> , 2020, 39, 77-85.	1.2	15
30	Short communication: Comparison of the fecal bacterial communities in diarrheic and nondiarrheic dairy calves from multiple farms in southeastern Pennsylvania. <i>Journal of Dairy Science</i> , 2021, 104, 7225-7232.	3.4	15
31	Dynamic heterogeneity of DNA methylation and hydroxymethylation in embryonic stem cell populations captured by single-cell 3D high-content analysis. <i>Experimental Cell Research</i> , 2015, 332, 190-201.	2.6	14
32	Utility of C-reactive protein and serum amyloid A in the diagnosis of equine protozoal myeloencephalitis. <i>Journal of Veterinary Internal Medicine</i> , 2018, 32, 1726-1730.	1.6	14
33	Continuous digital hypothermia prevents lamellar failure in the euglycaemic hyperinsulinaemic clamp model of equine laminitis. <i>Equine Veterinary Journal</i> , 2019, 51, 658-664.	1.7	14
34	Effect of exercise training on insulin sensitivity, hyperinsulinemia and ectopic fat in black South African women: a randomized controlled trial. <i>European Journal of Endocrinology</i> , 2020, 183, 51-61.	3.7	14
35	Contribution of parasympathetic muscarinic augmentation of insulin secretion to olanzapine-induced hyperinsulinemia. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 315, E250-E257.	3.5	13
36	Hypoglycemia and Islet Dysfunction Following Oral Glucose Tolerance Testing in Pancreatic-Insufficient Cystic Fibrosis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 3179-3189.	3.6	13

#	ARTICLE	IF	CITATIONS
37	Dietary Fat Intake Modulates Effects of a Frequent ACE Gene Variant on Glucose Tolerance with association to Type 2 Diabetes. <i>Scientific Reports</i> , 2017, 7, 9234.	3.3	12
38	Serum amyloid A concentration in postoperative colic horses and its association with postoperative complications. <i>Veterinary Surgery</i> , 2019, 48, 143-151.	1.0	12
39	Intratumoral collagen signatures predict clinical outcomes in feline mammary carcinoma. <i>PLoS ONE</i> , 2020, 15, e0236516.	2.5	12
40	Effect of thyrotropin-releasing hormone stimulation testing on the oral sugar test in horses when performed as a combined protocol. <i>Journal of Veterinary Internal Medicine</i> , 2019, 33, 2272-2279.	1.6	11
41	Dysregulated insulin in pancreatic insufficient cystic fibrosis with post-prandial hypoglycemia. <i>Journal of Cystic Fibrosis</i> , 2020, 19, 310-315.	0.7	11
42	A Peripheral CB1R Antagonist Increases Lipolysis, Oxygen Consumption Rate, and Markers of Beiging in 3T3-L1 Adipocytes Similar to RIM, Suggesting that Central Effects Can Be Avoided. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6639.	4.1	11
43	Intraoperative near-infrared imaging can identify canine mammary tumors, a spontaneously occurring, large animal model of human breast cancer. <i>PLoS ONE</i> , 2020, 15, e0234791.	2.5	11
44	Risk factors for laminitis and nonsurvival in acute colitis: Retrospective study of 85 hospitalized horses (2011-2019). <i>Journal of Veterinary Internal Medicine</i> , 2021, 35, 2019-2025.	1.6	11
45	Assessing gastrointestinal motility in healthy horses comparing auscultation, ultrasonography and an acoustic gastrointestinal surveillance biosensor: a randomised, blinded, controlled crossover proof of principle study. <i>Equine Veterinary Journal</i> , 2019, 51, 246-251.	1.7	10
46	Return to racing after surgical management of third carpal bone slab fractures in thoroughbred and standardbred racehorses. <i>Veterinary Surgery</i> , 2019, 48, 513-523.	1.0	10
47	Nodules and masses are associated with malignant pleural effusion in dogs and cats but many other intrathoracic CT features are poor predictors of the effusion type. <i>Veterinary Radiology and Ultrasound</i> , 2019, 60, 289-299.	0.9	10
48	Hypercapnia and hyperlactatemia were positively associated with higher-grade arrhythmias during peak exercise in horses during poor performance evaluation on a high-speed treadmill. <i>Veterinary Journal</i> , 2020, 266, 105572.	1.7	10
49	Investigation of synovial fluid lubricants and inflammatory cytokines in the horse: a comparison of recombinant equine interleukin 1 beta-induced synovitis and joint lavage models. <i>BMC Veterinary Research</i> , 2021, 17, 189.	1.9	10
50	Using Structural Equation Modeling to Understand Interactions Between Bacterial and Archaeal Populations and Volatile Fatty Acid Proportions in the Rumen. <i>Frontiers in Microbiology</i> , 2021, 12, 611951.	3.5	10
51	A quantitative PCR screening method for adeno-associated viral vector 2-mediated gene doping. <i>Drug Testing and Analysis</i> , 2022, 14, 963-972.	2.6	10
52	Cerebrospinal fluid Lyme multiplex assay results are not diagnostic in horses with neuroborreliosis. <i>Journal of Veterinary Internal Medicine</i> , 2018, 32, 832-838.	1.6	9
53	Novel dry cryotherapy system for cooling the equine digit. <i>Veterinary Record Open</i> , 2018, 5, e000244.	1.0	9
54	Fracture Limits of Maxillary Fourth Premolar Teeth in Domestic Dogs Under Applied Forces. <i>Frontiers in Veterinary Science</i> , 2019, 5, 339.	2.2	9

#	ARTICLE	IF	CITATIONS
55	Cardiac arrhythmias in poorly performing Standardbred and Norwegianâ€“Swedish Coldblooded trotters undergoing high-speed treadmill testing. <i>Veterinary Journal</i> , 2021, 267, 105574.	1.7	9
56	Computed tomographic assessment of fracture characteristics and subchondral bone injury in Thoroughbred racehorses with lateral condylar fractures and their relationship to outcome. <i>Veterinary Surgery</i> , 2022, 51, 426-437.	1.0	9
57	The Relationship Between Lipoproteins and Insulin Sensitivity in Youth With Obesity and Abnormal Glucose Tolerance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, 1541-1551.	3.6	9
58	Stimulation of the endogenous incretin glucose-dependent insulinotropic peptide by enteral dextrose improves glucose homeostasis and inflammation in murine endotoxemia. <i>Translational Research</i> , 2018, 193, 1-12.	5.0	8
59	Evaluation of the effect of laboratory methods on semen analysis and breeding soundness examination (BSE) classification in stallions. <i>Theriogenology</i> , 2020, 142, 67-76.	2.1	8
60	Retrospective evaluation of outpatient canine parvovirus treatment in a shelterâ€“based lowâ€“cost urban clinic. <i>Journal of Veterinary Emergency and Critical Care</i> , 2020, 30, 202-208.	1.1	8
61	Detection of <i>Streptococcus equi</i> subsp. <i>equi</i> in guttural pouch lavage samples using a loopâ€“mediated isothermal nucleic acid amplification microfluidic device. <i>Journal of Veterinary Internal Medicine</i> , 2021, 35, 1597-1603.	1.6	8
62	Prostate cancer diagnosis using epigenetic biomarkers, 3D high-content imaging and probabilistic cell-by-cell classifiers. <i>Oncotarget</i> , 2017, 8, 57278-57301.	1.8	8
63	Sonographic appearance of the late gestation equine fetal intestine. <i>Theriogenology</i> , 2019, 138, 121-126.	2.1	7
64	Lamellar energy metabolism and perfusion in the euglycaemic hyperinsulinaemic clamp model of equine laminitis. <i>Equine Veterinary Journal</i> , 2020, 52, 577-584.	1.7	7
65	Comparison of animal daily doses and days of therapy for antimicrobials in species of veterinary importance. <i>Preventive Veterinary Medicine</i> , 2020, 176, 104942.	1.9	7
66	Assessment of soluble epoxide hydrolase activity in vivo: A metabolomic approach. <i>Prostaglandins and Other Lipid Mediators</i> , 2020, 148, 106410.	1.9	7
67	Lamellar perfusion and energy metabolism in a preferential weight bearing model. <i>Equine Veterinary Journal</i> , 2021, 53, 834-844.	1.7	7
68	Owner Personality, Owner-Dog Attachment, and Canine Demographics Influence Treatment Outcomes in Canine Behavioral Medicine Cases. <i>Frontiers in Veterinary Science</i> , 2020, 7, 630931.	2.2	7
69	Horses vaccinated with live attenuated intranasal strangles vaccine seroconvert to SEQ2190 and SeM. <i>Equine Veterinary Journal</i> , 2022, 54, 299-305.	1.7	7
70	Multivariable analysis of the influence of crossâ€“reactive carbohydrate determinant inhibition and other factors on intradermal and serological allergen test results: a prospective, multicentre study. <i>Veterinary Dermatology</i> , 2021, 32, 347.	1.2	7
71	Effects of GLP-1 and GIP on Islet Function in Glucose-Intolerant, Pancreatic-Insufficient Cystic Fibrosis. <i>Diabetes</i> , 2022, 71, 2153-2165.	0.6	7
72	Factors associated with prolonged treatment days, increased veterinary visits and complications in horses with subsolar abscesses. <i>Veterinary Record</i> , 2019, 184, 251-251.	0.3	6

#	ARTICLE	IF	CITATIONS
73	Inflammatory mediators are potential biomarkers for extracorporeal shockwave therapy in horses. <i>Equine Veterinary Journal</i> , 2020, 52, 449-454.	1.7	6
74	The effect of continuous digital hypothermia on lamellar energy metabolism and perfusion during laminitis development in two experimental models. <i>Equine Veterinary Journal</i> , 2020, 52, 585-592.	1.7	6
75	Pet Ownership Protects Against Recurrence of <i>Clostridioides difficile</i> Infection. <i>Open Forum Infectious Diseases</i> , 2020, 7, ofz541.	0.9	6
76	Plasma amino acid concentrations during experimental hyperinsulinemia in 2 laminitis models. <i>Journal of Veterinary Internal Medicine</i> , 2021, 35, 1589-1596.	1.6	6
77	V-Gel® Guided Endotracheal Intubation in Rabbits. <i>Frontiers in Veterinary Science</i> , 2021, 8, 684624.	2.2	6
78	Culture protocols for horse embryos after ICSI: Effect of myo-inositol and time of media change. <i>Animal Reproduction Science</i> , 2021, 233, 106819.	1.5	6
79	Effects of acepromazine and xylazine on subjective and objective assessments of forelimb lameness. <i>Equine Veterinary Journal</i> , 2020, 52, 593-600.	1.7	5
80	Insulin Action, Glucose Homeostasis and Free Fatty Acid Metabolism: Insights From a Novel Model. <i>Frontiers in Endocrinology</i> , 2021, 12, 625701.	3.5	5
81	Vitreous degeneration and associated ocular abnormalities in the dog. <i>Veterinary Ophthalmology</i> , 2020, 23, 219-224.	1.0	4
82	Refeeding syndrome in small ruminants receiving parenteral nutrition. <i>Journal of Veterinary Internal Medicine</i> , 2020, 34, 1674-1679.	1.6	4
83	A Randomized, Placebo-Controlled Clinical Trial of Famciclovir in Shelter Cats with Naturally Occurring Upper Respiratory Tract Disease. <i>Animals</i> , 2020, 10, 1448.	2.3	4
84	Effect of digital hypothermia on lamellar inflammatory signaling in the euglycemic hyperinsulinemic clamp laminitis model. <i>Journal of Veterinary Internal Medicine</i> , 2020, 34, 1606-1613.	1.6	4
85	Utility of cell-free DNA concentrations and illness severity scores to predict survival in critically ill neonatal foals. <i>PLoS ONE</i> , 2021, 16, e0242635.	2.5	4
86	Xenografting of isolated equine (<i>Equus caballus</i>) testis cells results in <i>de novo</i> morphogenesis of seminiferous tubules but not spermatogenesis. <i>Andrology</i> , 2017, 5, 336-346.	3.5	3
87	Glucoregulatory responses to hypothalamic preoptic area cooling. <i>Brain Research</i> , 2019, 1710, 136-145.	2.2	3
88	Population insulin sensitivity from sparsely sampled oral glucose tolerance tests. <i>Metabolism: Clinical and Experimental</i> , 2020, 110, 154298.	3.4	3
89	β ₂ -cell function in black South African women: exploratory associations with insulin clearance, visceral and ectopic fat. <i>Endocrine Connections</i> , 2021, 10, 550-560.	1.9	3
90	Standardized capillary refill time and relation to clinical parameters in hospitalized dogs. <i>Journal of Veterinary Emergency and Critical Care</i> , 2021, 31, 585-594.	1.1	3

#	ARTICLE	IF	CITATIONS
91	Outcome following emergency laparotomy in 33 UK donkeys: A retrospective multicentre study. <i>Equine Veterinary Journal</i> , 2023, 55, 222-229.	1.7	3
92	Glucose and insulin response after intravenous and subcutaneous somatostatin administration in healthy horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2019, 42, 541-547.	1.3	2
93	The effects of flumazenil on ventilatory and recovery characteristics in horses following midazolam-ketamine induction and isoflurane anaesthesia. <i>Equine Veterinary Journal</i> , 2021, 53, 1257-1267.	1.7	2
94	Retrospective evaluation of the influence of azotemia on plasma lactate concentrations in hypotensive dogs and cats (2008-2018): 337 cases. <i>Journal of Veterinary Emergency and Critical Care</i> , 2020, 30, 449-454.	1.1	2
95	Lack of Association Between Barometric Pressure and Incidence of Colic in Equine Academic Ambulatory Practice. <i>Journal of Equine Veterinary Science</i> , 2021, 97, 103342.	0.9	2
96	Computed tomographic guidance for internal fixation of type II distal phalangeal fractures in 51 horses. <i>Equine Veterinary Journal</i> , 2022, 54, 679-692.	1.7	2
97	Outcomes of pregnant broodmares treated for colic at a tertiary care facility. <i>Veterinary Surgery</i> , 2021, 50, 1579-1591.	1.0	2
98	A prospective randomized trial of desmopressin in canine mammary carcinoma. <i>Veterinary and Comparative Oncology</i> , 2020, 18, 796-803.	1.8	2
99	Bayesian-based withdrawal estimates using pharmacokinetic parameters for two capsaicinoid-containing products administered to horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2021, 44, 349-358.	1.3	2
100	Etiology, Clinical Presentation, and Outcome of Mandibular Fractures in Immature Dogs Treated with non-Invasive or Minimally Invasive Techniques. <i>Journal of Veterinary Dentistry</i> , 2022, , 089875642110723.	0.3	2
101	A multifaceted analytical approach for detecting effects on semen quality when using small sample sizes. <i>Theriogenology</i> , 2019, 136, 72-85.	2.1	1
102	Long-term changes in carbohydrate tolerance, insulin secretion and action in African-American patients with obesity and history of hyperglycemic crises. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e001062.	2.8	1
103	Metabolic modeling using statistical and spreadsheet software: Application to the glucose minimal model. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 191, 105353.	4.7	1
104	Gene transcripts expressed in equine white blood cells are potential biomarkers of extracorporeal shock wave therapy. <i>Drug Testing and Analysis</i> , 2021, , .	2.6	1
105	Clinical outcomes and prognostic factors associated with nonsteroidal anti-inflammatory drug overdose in dogs presented to an emergency room. <i>Journal of Veterinary Emergency and Critical Care</i> , 2021, 31, 638-646.	1.1	1
106	Pharmacokinetics and pharmacodynamics of oral and intravenous metoprolol tartrate in clinically healthy horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2022, 45, 177-187.	1.3	1
107	Clinical application of the StatSensor and StatSensor Xpress point-of-care creatinine measurement devices in dogs. <i>Veterinary Clinical Pathology</i> , 2022, 51, 533-542.	0.7	1
108	Trajectory of Positive Airway Pressure Initiated for Children with OSA While Inpatient. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
109	Sodium distribution in the bovine brain. <i>Journal of Veterinary Diagnostic Investigation</i> , 2021, 33, 384-387.	1.1	0
110	Cardiac pre-purchase examination in horses – evaluation, outcome and athletic follow-up. <i>Equine Veterinary Education</i> , 2022, 34, 530-538.	0.6	0
111	Modeling Challenge Data to Quantify Endogenous Lactate Production. <i>Frontiers in Endocrinology</i> , 2021, 12, 656054.	3.5	0
112	MON-184 Hypoglycemia During Mixed Meal Tolerance Testing and Early Glucose Dysregulation in Cystic Fibrosis. <i>Journal of the Endocrine Society</i> , 2019, 3, .	0.2	0
113	Editorial: Mathematical Modeling of Endocrine Systems. <i>Frontiers in Endocrinology</i> , 2021, 12, 789386.	3.5	0
114	Determining an approximate minimum toxic dosage of diphacinone in horses and corresponding serum, blood, and liver diphacinone concentrations: a pilot study. <i>Journal of Veterinary Diagnostic Investigation</i> , 2022, , 104063872210869.	1.1	0
115	Pharmacokinetics of glaucine after intravenous and oral administrations and detection of systemic aporphine alkaloids after ingestion of tulip poplar shavings in horses. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2022, , .	1.3	0
116	Title is missing!. , 2019, 14, e0224504.		0
117	Title is missing!. , 2019, 14, e0224504.		0
118	Title is missing!. , 2019, 14, e0224504.		0
119	Title is missing!. , 2019, 14, e0224504.		0
120	Positive Airway Pressure Therapy Initiation in Hospitalized Children with Obstructive Sleep Apnea. , 2022, , .		0