

Jiri Pikula

List of Publications by Year in descending order

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126
papers

2,159
citations

279487

23
h-index

301761

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139
docs citations

139
times ranked

2276
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-Time Metabolomics on Living Microorganisms Using Ambient Electrospray Ionization Flow-Probe. <i>Analytical Chemistry</i> , 2013, 85, 7014-7018.	3.2	106
2	Bats as bioindicators of heavy metal pollution: history and prospect. <i>Mammalian Biology</i> , 2015, 80, 220-227.	0.8	104
3	White-nose syndrome without borders: <i>Pseudogymnoascus destructans</i> infection tolerated in Europe and Palearctic Asia but not in North America. <i>Scientific Reports</i> , 2016, 6, 19829.	1.6	98
4	NONLETHAL SCREENING OF BAT-WING SKIN WITH THE USE OF ULTRAVIOLET FLUORESCENCE TO DETECT LESIONS INDICATIVE OF WHITE-NOSE SYNDROME. <i>Journal of Wildlife Diseases</i> , 2014, 50, 566-573.	0.3	90
5	White-Nose Syndrome Fungus: A Generalist Pathogen of Hibernating Bats. <i>PLoS ONE</i> , 2014, 9, e97224.	1.1	79
6	Electroanalysis of Plant Thiols. <i>Sensors</i> , 2007, 7, 932-959.	2.1	72
7	Colorimetric dipstick for assay of organophosphate pesticides and nerve agents represented by paraoxon, sarin and VX. <i>Talanta</i> , 2010, 81, 621-624.	2.9	70
8	Detection of rat hepatitis E virus in wild Norway rats (<i>Rattus norvegicus</i>) and Black rats (<i>Rattus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 40	0.8	60
9	Histopathology Confirms White-Nose Syndrome in Bats in Europe. <i>Journal of Wildlife Diseases</i> , 2012, 48, 207-211.	0.3	59
10	Vitamin B2 as a virulence factor in <i>Pseudogymnoascus destructans</i> skin infection. <i>Scientific Reports</i> , 2016, 6, 33200.	1.6	46
11	Detoxification and oxidative stress responses along with microcystins accumulation in Japanese quail exposed to cyanobacterial biomass. <i>Science of the Total Environment</i> , 2008, 398, 34-47.	3.9	42
12	Heavy metals and metallothionein in vespertilionid bats foraging over aquatic habitats in the Czech Republic. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 501-506.	2.2	41
13	<i>Pseudogymnoascus destructans</i> : Evidence of Virulent Skin Invasion for Bats Under Natural Conditions, Europe. <i>Transboundary and Emerging Diseases</i> , 2015, 62, 1-5.	1.3	41
14	White-nose syndrome pathology grading in Nearctic and Palearctic bats. <i>PLoS ONE</i> , 2017, 12, e0180435.	1.1	39
15	Ferric Reducing Antioxidant Power and Square Wave Voltammetry for Assay of Low Molecular Weight Antioxidants in Blood Plasma: Performance and Comparison of Methods. <i>Sensors</i> , 2009, 9, 9094-9103.	2.1	38
16	Affecting of aquatic vascular plant <i>Lemna minor</i> by cisplatin revealed by voltammetry. <i>Bioelectrochemistry</i> , 2008, 72, 59-65.	2.4	37
17	Ascorbic Acid: An Old Player with a Broad Impact on Body Physiology Including Oxidative Stress Suppression and Immunomodulation: A Review. <i>Mini-Reviews in Medicinal Chemistry</i> , 2012, 12, 35-43.	1.1	36
18	<i>Mycoplasma gallisepticum</i> infection in the grey partridge <i>Perdix perdix</i> : outbreak description, histopathology, biochemistry and antioxidant parameters. <i>BMC Veterinary Research</i> , 2011, 7, 34.	0.7	31

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19	Lead toxicosis of captive vultures: case description and responses to chelation therapy. BMC Veterinary Research, 2013, 9, 11.	0.7	31
20	Ecological conditions of natural foci of tularaemia in the Czech Republic. European Journal of Epidemiology, 2003, 18, 1091-1095.	2.5	29
21	Effects of cyanobacterial biomass on the Japanese quail. Toxicon, 2007, 49, 793-803.	0.8	29
22	Alterations in the health of hibernating bats under pathogen pressure. Scientific Reports, 2018, 8, 6067.	1.6	29
23	Ectoparasites may serve as vectors for the white-nose syndrome fungus. Parasites and Vectors, 2016, 9, 16.	1.0	26
24	Shapes of Differential Pulse Voltammograms and Level of Metallothionein at Different Animal Species. Sensors, 2007, 7, 2419-2429.	2.1	23
25	Transcriptional host-pathogen responses of <i>Pseudogymnoascus destructans</i> and three species of bats with white-nose syndrome. Virulence, 2020, 11, 781-794.	1.8	23
26	Veterinary treatment of evening bats (<i>Vespertilionidae</i>) in the Czech Republic. Veterinary Record, 2007, 161, 139-140.	0.2	22
27	Piezoelectric Biosensor for a Simple Serological Diagnosis of Tularemia in Infected European Brown Hares (<i>Lepus europaeus</i>). Sensors, 2007, 7, 2825-2834.	2.1	22
28	<i>Serratia myotis</i> sp. nov. and <i>Serratia vespertilionis</i> sp. nov., isolated from bats hibernating in caves. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 90-94.	0.8	22
29	European brown hare as a potential source of zoonotic agents. Veterinarni Medicina, 2007, 52, 451-456.	0.2	21
30	Macrophage-Assisted Inflammation and Pharmacological Regulation of the Cholinergic Anti-Inflammatory Pathway. Current Medicinal Chemistry, 2011, 18, 539-551.	1.2	21
31	Establishment of <i>Myotis myotis</i> Cell Lines - Model for Investigation of Host-Pathogen Interaction in a Natural Host for Emerging Viruses. PLoS ONE, 2014, 9, e109795.	1.1	21
32	Deeply torpid bats can change position without elevation of body temperature. Journal of Thermal Biology, 2017, 63, 119-123.	1.1	21
33	Hibernation temperature-dependent <i>Pseudogymnoascus destructans</i> infection intensity in Palearctic bats. Virulence, 2018, 9, 1734-1750.	1.8	21
34	Combined exposure of Japanese quails to cyanotoxins, Newcastle virus and lead: Oxidative stress responses. Ecotoxicology and Environmental Safety, 2011, 74, 2082-2090.	2.9	20
35	Geographic Information Systems in Epidemiology - Ecology of Common Vole and Distribution of Natural Foci of Tularaemia. Acta Veterinaria Brno, 2002, 71, 379-387.	0.2	20
36	Ecology of European Brown Hare and Distribution of Natural Foci of Tularaemia in the Czech Republic. Acta Veterinaria Brno, 2004, 73, 267-273.	0.2	20

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37	Tularemia induces different biochemical responses in BALB/c mice and common voles. BMC Infectious Diseases, 2009, 9, 101.	1.3	19
38	Changes in the nutritional parameters of muscles of the common carp (<i>Cyprinus carpio</i>) and the silver carp (<i>Hypophthalmichthys molitrix</i>) following environmental exposure to cyanobacterial water bloom. Aquaculture Research, 2009, 40, 148-156.	0.9	19
39	Combined exposure to cyanobacterial biomass, lead and the Newcastle virus enhances avian toxicity. Science of the Total Environment, 2010, 408, 4984-4992.	3.9	19
40	Molecular Epidemiology of Methicillin-Susceptible and Methicillin-Resistant Staphylococcus aureus in Wild, Captive and Laboratory Rats: Effect of Habitat on the Nasal S. aureus Population. Toxins, 2020, 12, 80.	1.5	19
41	No Virological Evidence for an Influenza A - like Virus in European Bats. Zoonoses and Public Health, 2015, 62, 187-189.	0.9	17
42	Reproduction of Rescued Vespertilionid Bats (Nyctalus noctula) in Captivity. Veterinary Clinics of North America - Exotic Animal Practice, 2017, 20, 665-677.	0.4	17
43	Natural selection in bats with historical exposure to white-nose syndrome. BMC Zoology, 2018, 3, .	0.3	17
44	Reproductive toxicity of fluoroquinolones in birds. BMC Veterinary Research, 2019, 15, 209.	0.7	17
45	Numerous cold arousals and rare arousal cascades as a hibernation strategy in European Myotis bats. Journal of Thermal Biology, 2019, 82, 150-156.	1.1	15
46	Testicular toxicity of cyanobacterial biomass in Japanese quails. Harmful Algae, 2011, 10, 612-618.	2.2	14
47	Biochemical responses and oxidative stress in Francisella tularensis infection: a European brown hare model. Acta Veterinaria Scandinavica, 2011, 53, 2.	0.5	14
48	Historic and geographic surveillance of <i>Pseudogymnoascus destructans</i> possible from collections of bat parasites. Transboundary and Emerging Diseases, 2018, 65, 303-308.	1.3	14
49	White-nose syndrome detected in bats over an extensive area of Russia. BMC Veterinary Research, 2018, 14, 192.	0.7	14
50	Oxidative stress and liver damage in birds exposed to diclofenac and lead. Acta Veterinaria Brno, 2014, 83, 299-304.	0.2	13
51	Bats and Caves: Activity and Ecology of Bats Wintering in Caves. , 0, , .		13
52	Determination of bromadiolone in pheasants and foxes by differential pulse voltammetry. International Journal of Environmental Analytical Chemistry, 2007, 87, 459-469.	1.8	12
53	Square wave voltammetry on screen printed electrodes: comparison to ferric reducing antioxidant power in plasma from model laboratory animal (Grey Partridge) and comparison to standard antioxidants. Journal of Applied Biomedicine, 2011, 9, 103-109.	0.6	12
54	InÂvivo effects of microcystins and complex cyanobacterial biomass on rats (Rattus norvegicus var.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.8	12

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55	Hazards of Secondary Bromadiolone Intoxications Evaluated using High-performance Liquid Chromatography with Electrochemical Detection. <i>Sensors</i> , 2007, 7, 1271-1286.	2.1	11
56	Asoxime (HI-6) impact on dogs after one and tenfold therapeutic doses: Assessment of adverse effects, distribution, and oxidative stress. <i>Environmental Toxicology and Pharmacology</i> , 2011, 32, 75-81.	2.0	11
57	Metrifonate alters antioxidant levels and caspase activity in cerebral cortex of Wistar rats. <i>Toxicology Mechanisms and Methods</i> , 2011, 21, 585-590.	1.3	11
58	Carp Edema Virus Infection Is Associated With Severe Metabolic Disturbance in Fish. <i>Frontiers in Veterinary Science</i> , 2021, 8, 679970.	0.9	11
59	Current and emerging assays for Francisella tularensis detection: a review. <i>Veterinari Medicina</i> , 2008, 53, 585-594.	0.2	10
60	Susceptibility of selected murine and microtine species to infection by a wild strain of Francisella tularensis subsp. holarctica. <i>Veterinari Medicina</i> , 2009, 54, 64-74.	0.2	10
61	Acute poisoning with sarin causes alteration in oxidative homeostasis and biochemical markers in Wistar rats. <i>Journal of Applied Biomedicine</i> , 2012, 10, 187-193.	0.6	10
62	Toxicological scoring of Alzheimer's disease drug huperzine in a guinea pig model. <i>Toxicology Mechanisms and Methods</i> , 2012, 22, 231-235.	1.3	10
63	Tularemia progression accompanied with oxidative stress and antioxidant alteration in spleen and liver of BALB/c mice. <i>Journal of Microbiology</i> , 2012, 50, 401-408.	1.3	10
64	Urinary shedding of leptospire in palearctic bats. <i>Transboundary and Emerging Diseases</i> , 2021, 68, 3089-3095.	1.3	10
65	Measurement of phagocyte activity in heterotherms. <i>Acta Veterinaria Brno</i> , 2020, 89, 79-87.	0.2	10
66	Effects of sublethal exposure of European brown hares to paraoxon on the course of tularemia. <i>Neuroendocrinology Letters</i> , 2011, 32 Suppl 1, 77-83.	0.2	10
67	Species-Specific Molecular Barriers to SARS-CoV-2 Replication in Bat Cells. <i>Journal of Virology</i> , 2022, 96, .	1.5	10
68	Phagocyte activity reflects mammalian homeo- and hetero-thermic physiological states. <i>BMC Veterinary Research</i> , 2020, 16, 232.	0.7	9
69	Schmidt's syndrome in a dog: a case report. <i>Veterinari Medicina</i> , 2007, 52, 419-422.	0.2	9
70	Blood coagulation times in the European brown hare (<i>Lepus europaeus</i>). <i>Veterinary Clinical Pathology</i> , 2007, 36, 361-363.	0.3	8
71	Trypanosomes in Eastern and Central European bats. <i>Acta Veterinaria Brno</i> , 2020, 89, 69-78.	0.2	8
72	Prediction of possible distribution of tularemia in the Czech Republic. <i>Veterinari Medicina</i> , 2004, 49, 61-64.	0.2	7

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73	Prevalence of antibodies against leptospire in the wild boar (<i>Sus scrofa</i> L., 1758). <i>Veterinarni Medicina</i> , 2003, 48, 66-70.	0.2	7
74	Field study indicating susceptibility differences between salmonid species and their lineages to proliferative kidney disease. <i>Journal of Fish Diseases</i> , 2020, 43, 1201-1211.	0.9	7
75	Comparative eco-physiology revealed extensive enzymatic curtailment, lipases production and strong conidial resilience of the bat pathogenic fungus <i>Pseudogymnoascus destructans</i> . <i>Scientific Reports</i> , 2020, 10, 16530.	1.6	7
76	Oxidative stress response of rainbow trout (<i>Oncorhynchus mykiss</i>) to multiple stressors. <i>Acta Veterinaria Brno</i> , 2018, 87, 55-64.	0.2	7
77	Contribution to fauna of invertebrates of sink holes within the agricultural landscape of the Moravian Karst Protected Area. Part one: Carabidae (Coleoptera). <i>Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis</i> , 2014, 53, 53-62.	0.2	7
78	Prevalence of antibodies against leptospire in small mammals in relation to age, sex and season. <i>Acta Veterinaria Brno</i> , 2012, 81, 97-102.	0.2	6
79	Ecology of brucellosis of the European hare in the Czech Republic. <i>Veterinarni Medicina</i> , 2005, 50, 105-110.	0.2	6
80	Modelling invasive pathogen load from non-destructive sampling data. <i>Journal of Theoretical Biology</i> , 2019, 464, 98-103.	0.8	6
81	Low seasonal variation in greater mouse-eared bat (<i>Myotis myotis</i>) blood parameters. <i>PLoS ONE</i> , 2020, 15, e0234784.	1.1	6
82	Ecotoxicity of selected antibiotics for organisms of aquatic and terrestrial ecosystems. <i>Neuroendocrinology Letters</i> , 2016, 37, 38-44.	0.2	6
83	Voltammetric Biosensor Based on Acetylcholinesterase and Different Immobilization Protocols: A Simple Tool for Toxic Organophosphate Assay. <i>Analytical Letters</i> , 2011, 44, 1254-1264.	1.0	5
84	Bats as another potential source of murine gammaherpesvirus 68 (MHV-68) in nature. <i>Acta Virologica</i> , 2018, 62, 337-339.	0.3	5
85	A common partitivirus infection in United States and Czech Republic isolates of bat white-nose syndrome fungal pathogen <i>Pseudogymnoascus destructans</i> . <i>Scientific Reports</i> , 2020, 10, 13893.	1.6	5
86	Comparison of diagnostic methods for <i>Tetracapsuloides bryosalmonae</i> detection in salmonid fish. <i>Journal of Fish Diseases</i> , 2021, 44, 1147-1153.	0.9	5
87	Papillomavirus infection of roe deer in the Czech Republic and fibropapilloma-associated levels of metallothionein, zinc, and oxidative stress. <i>Acta Veterinaria Brno</i> , 2015, 84, 105-111.	0.2	5
88	Galantamine effect on tularemia pathogenesis in a BALB/c mouse model. <i>Iranian Biomedical Journal</i> , 2012, 16, 156-61.	0.4	5
89	Cytotoxicity of ketamine, xylazine and Hellabrunn mixture in liver-, heart- and kidney-derived cells from fallow deer. <i>Neuroendocrinology Letters</i> , 2016, 37, 78-83.	0.2	5
90	Modulation of Tularemia Disease Progress by the Bisquaternary Pyridinium Oxime HI-6. <i>Acta Veterinaria Brno</i> , 2010, 79, 443-448.	0.2	4

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91	Selected Haematological and Biochemical Indices of Nile Tilapia (<i>Oreochromis niloticus</i>) Reared in the Environment with Cyanobacterial Water Bloom. <i>Acta Veterinaria Brno</i> , 2010, 79, S63-S71.	0.2	4
92	Blood coagulation parameters in fallow deer (<i>Dama dama</i>). <i>Veterinari Medicina</i> , 2011, 56, 119-122.	0.2	4
93	Diagnosis of tularemia using biochemical, immunochemical and molecular methods: a review. <i>Veterinari Medicina</i> , 2011, 56, 453-461.	0.2	4
94	Cold arousal - A mechanism used by hibernating bats to reduce the energetic costs of disturbance. <i>Journal of Thermal Biology</i> , 2021, 101, 103107.	1.1	4
95	Polychlorinated biphenyl toxicity in the thyroid gland of wild ungulates: an in vitro model. <i>Acta Veterinaria Brno</i> , 2020, 89, 151-162.	0.2	4
96	Diclofenac-induced cytotoxicity in cultured carp leukocytes. <i>Physiological Research</i> , 2020, 69, S607-S618.	0.4	4
97	Biochemical and histopathological responses of Wistar rats to oral intake of microcystins and cyanobacterial biomass. <i>Neuroendocrinology Letters</i> , 2013, 34 Suppl 2, 11-20.	0.2	4
98	Blood Parasites and Health Status of Hibernating and Non-Hibernating Noctule Bats (<i>Nyctalus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	1.6	4
99	Subaortic stenosis and mitral dysplasia in three Black Russian Terrier puppies. <i>Veterinari Medicina</i> , 2005, 50, 321-326.	0.2	3
100	Recovery of a phytopathogenic bacterium <i>Lonsdalea quercina</i> from a lesser horseshoe bat in Moravian karst, Czech Republic. <i>Forest Pathology</i> , 2018, 48, e12379.	0.5	3
101	Active surveillance for antibodies confirms circulation of lyssaviruses in Palearctic bats. <i>BMC Veterinary Research</i> , 2020, 16, 482.	0.7	3
102	Associating physiological functions with genomic variability in hibernating bats. <i>Evolutionary Ecology</i> , 2021, 35, 291-308.	0.5	3
103	Detection of <i>Anaplasma phagocytophilum</i> in European brown hares (<i>Lepus europaeus</i>) using three different methods. <i>Zoonoses and Public Health</i> , 2021, 68, 917-925.	0.9	3
104	Prevalence of Leptospirosis Antibodies in the European Hare (<i>Lepus europaeus</i> Pall.) in the District of BĀ™eclav. <i>Acta Veterinaria Brno</i> , 2003, 72, 377-381.	0.2	3
105	Biochemical responses of juvenile and adult Japanese quails to cyanobacterial biomass. <i>Neuroendocrinology Letters</i> , 2009, 30 Suppl 1, 199-204.	0.2	3
106	Pesticide sorption in typical Central European soils evaluated using a photometric microplate assay based on acetylcholinesterase inhibition. <i>Journal of Applied Biomedicine</i> , 2010, 8, 41-46.	0.6	2
107	Acetylcholine and an acetylcholinesterase inhibitor neostigmine can aggravate tularemia progress in BALB/c mice. <i>Interdisciplinary Toxicology</i> , 2012, 5, 21-24.	1.0	2
108	Assessment of low-molecular-weight antioxidants in <i>Francisella tularensis</i> infected hosts: comparison of two rodents with different susceptibility to tularemia. <i>Neuroendocrinology Letters</i> , 2009, 30 Suppl 1, 186-91.	0.2	2

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109	Effects of cyanobacterial biomass on avian reproduction: a Japanese quail model. <i>Neuroendocrinology Letters</i> , 2009, 30 Suppl 1, 205-10.	0.2	2
110	Modulation of ionising radiation generated oxidative stress by HI-6 (asoxime) in a laboratory rat model. <i>Neuroendocrinology Letters</i> , 2010, 31 Suppl 2, 62-8.	0.2	2
111	Effects of silver ions in aquatic and terrestrial organisms. <i>Toxicology Letters</i> , 2009, 189, S200.	0.4	1
112	From Amino Acids Profile to Protein Identification: Searching for Differences in Roe Deer Papilloma. <i>Chromatographia</i> , 2014, 77, 609-617.	0.7	1
113	Reproductive toxicity of heavy metals in fallow deer in vitro. <i>Acta Veterinaria Brno</i> , 2021, 90, 277-286.	0.2	1
114	Effect of Intramuscular Injection on Oxidative Homeostasis in Laboratory Guinea Pig Model. <i>Acta Medica (Hradec Kralove)</i> , 2016, 59, 59-63.	0.2	1
115	Fresh semen characteristics in captive accipitrid and falconid birds of prey. <i>Acta Veterinaria Brno</i> , 2020, 89, 291-300.	0.2	1
116	Torpor/hibernation cycle may enhance the risk of insecticides for bats: an in vitro study. <i>Acta Veterinaria Brno</i> , 2022, 91, 59-68.	0.2	1
117	Impact of platinum group elements on the soil invertebrate <i>Folsomia candida</i> . <i>Neuroendocrinology Letters</i> , 2013, 34 Suppl 2, 5-10.	0.2	1
118	Fish tapeworm <i>Khawia sinensis</i> : an indicator of environmental microcystins?. <i>Neuroendocrinology Letters</i> , 2013, 34 Suppl 2, 21-4.	0.2	1
119	One or two pups - optimal reproduction strategies of common noctule females. <i>BMC Zoology</i> , 2022, 7, .	0.3	1
120	Effects of co-exposure to cyanobacterial biomass, lead and immunological challenge in Japanese quails. <i>Toxicology Letters</i> , 2008, 180, S197.	0.4	0
121	Cytotoxic Effect of Aeruginosin-865, Resveratrol and Capsaicin on Mouse Fibroblasts and Cells Derived from Fallow Deer. <i>Natural Product Communications</i> , 2018, 13, 1934578X1801300.	0.2	0
122	Surveillance of small rodents and related health risks in a game bird farm. <i>Acta Universitatis Agriculturae Et Silviculturae Mendelianae Brunensis</i> , 2014, 55, 33-42.	0.2	0
123	Yew poisoning of olive baboons (<i>Papio anubis</i>) in captivity: laboratory diagnosis. <i>Neuroendocrinology Letters</i> , 2013, 34 Suppl 2, 130-3.	0.2	0
124	Tacrine alters antibodies level in <i>Francisella tularensis</i> -infected mice. <i>Neuroendocrinology Letters</i> , 2013, 34 Suppl 2, 134-7.	0.2	0
125	Mixture toxicity of microcystin-LR, paraoxon and bromadiolone in <i>Xenopus laevis</i> embryos. <i>Neuroendocrinology Letters</i> , 2015, 36 Suppl 1, 114-9.	0.2	0
126	Tissue metallothionein response in the Japanese quail associated with exposure to cyanobacterial biomass, lead and the Newcastle disease virus. <i>Neuroendocrinology Letters</i> , 2019, 39, 567-571.	0.2	0