

Zuzana Sinkorov

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

108
papers

2,459
citations

25
h-index

46
g-index

119
ext. papers

2,757
ext. citations

2.8
avg, IF

3.99
L-index

#	Paper	IF	Citations
108	Substituted Piperazines as Novel Potential Radioprotective Agents. <i>Molecules</i> , 2020 , 25,	4.8	3
107	INFLUENCE OF IONIZING RADIATION ON DEVELOPMENT OF THYMUS AND THYMOCYTES. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2020 , 89, 80-89	0.2	
106	STUDY OF THE LATENT PHASE OF RADIATION-INDUCED LUNG INJURY. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2020 , 89, 190-199	0.2	0
105	A study on the distribution of ⁸⁵ Sr and ¹³⁴ Cs radionuclides after total body irradiation. <i>Nuclear Technology and Radiation Protection</i> , 2020 , 35, 361-371	0.7	
104	A novel class of small molecule inhibitors with radioprotective properties. <i>European Journal of Medicinal Chemistry</i> , 2020 , 187, 111606	6.8	6
103	Attenuation of Radiation-Induced Lung Injury by Hyaluronic Acid Nanoparticles. <i>Frontiers in Pharmacology</i> , 2020 , 11, 1199	5.6	4
102	The toxic effect of cytostatics on primary cilia frequency and multiciliation. <i>Journal of Cellular and Molecular Medicine</i> , 2019 , 23, 5728-5736	5.6	2
101	Electrochemical detection of 8-hydroxyguanine using screen-printed carbon electrodes modified with carboxy-functionalized multi-walled carbon nanotubes. <i>Monatshefte für Chemie</i> , 2019 , 150, 1187-1193	4.4	3
100	NATURAL IMMUNE BOOSTER IMUREGEN SIGNIFICANTLY AFFECTS THE PROLIFERATION OF TUMOR CELLS. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2019 , 88, 106-114	0.2	
99	IN VIVO BIODOSIMETRY OF PORCINE T-LYMPHOCYTE SUBSETS AND NK CELLS. <i>Radiation Protection Dosimetry</i> , 2019 , 186, 181-185	0.9	0
98	INVESTIGATION OF THE RADIOPROTECTIVE EFFECT OF ORTHOVANADATE IN MICE AFTER TOTAL BODY IRRADIATION. <i>Radiation Protection Dosimetry</i> , 2019 , 186, 149-154	0.9	1
97	CHANGES IN BLOOD COUNT AND LYMPHOCYTE MICRONUCLEI IN PIGLETS AFTER WHOLE-BODY IRRADIATION. <i>Radiation Protection Dosimetry</i> , 2019 , 186, 176-180	0.9	
96	The role of T-cells in spontaneous regression of melanoma tumors in swine. <i>Developmental and Comparative Immunology</i> , 2019 , 92, 60-68	3.2	12
95	The first in vivo multiparametric comparison of different radiation exposure biomarkers in human blood. <i>PLoS ONE</i> , 2018 , 13, e0193412	3.7	29
94	New Light on An Old Friend: Targeting PUMA in Radioprotection and Therapy of Cardiovascular and Neurodegenerative Diseases. <i>Current Drug Targets</i> , 2018 , 19, 1943-1957	3	8
93	DOSE-RATE AS A CRITICAL ASPECT OF CELLULAR RESPONSE TO GAMMA-RADIATION. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2018 , 87, 119-125	0.2	
92	DNA repair inhibitors as radiosensitizers in human lung cells. <i>Journal of Applied Biomedicine</i> , 2018 , 16, 66-74	0.6	1

91	Cytokines and radiation-induced pulmonary injuries. <i>Journal of Radiation Research</i> , 2018 , 59, 709-753	2.4	34
90	Using Clinical Signs and Symptoms for Medical Management of Radiation Casualties - 2015 NATO Exercise. <i>Radiation Research</i> , 2017 , 187, 273-286	3.1	27
89	Modulation of ionizing radiation-induced effects by NU7441, KU55933 and VE821 in peripheral blood lymphocytes. <i>Journal of Applied Biomedicine</i> , 2016 , 14, 19-24	0.6	9
88	Epidermal Growth Factor Attenuates Delayed Ionizing Radiation-Induced Tissue Damage in Bone Marrow Transplanted Mice. <i>Radiation Research</i> , 2016 , 186, 264-74	3.1	1
87	Protective effect of 940 nm laser on gamma-irradiated mice. <i>Photomedicine and Laser Surgery</i> , 2015 , 33, 82-91		3
86	Attenuation of radiation-induced gastrointestinal damage by epidermal growth factor and bone marrow transplantation in mice. <i>International Journal of Radiation Biology</i> , 2015 , 91, 703-14	2.9	9
85	Hypersensitivity to chemoradiation in FANCA carrier with cervical carcinoma-A case report and review of the literature. <i>Reports of Practical Oncology and Radiotherapy</i> , 2015 , 20, 309-15	1.5	4
84	Radio-sensitization of human leukaemic MOLT-4 cells by DNA-dependent protein kinase inhibitor, NU7441. <i>Radiation and Environmental Biophysics</i> , 2014 , 53, 83-92	2	18
83	B cell subsets are activated and produce cytokines during early phases of Francisella tularensis LVS infection. <i>Microbial Pathogenesis</i> , 2014 , 75, 49-58	3.8	12
82	The impact of pre-analytical treatment and sorting on human neutrophil function <i>Veterinarni Medicina</i> , 2014 , 59, 543-552	0.7	
81	Evaluation of the antioxidant activity of several naturally occurring coumarins and their synthesized analogues by "ferric reducing antioxidant power" assay. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2014 , 29, 49-54	5.6	9
80	The peripheral chimerism of bone marrow-derived stem cells after transplantation: regeneration of gastrointestinal tissues in lethally irradiated mice. <i>Journal of Cellular and Molecular Medicine</i> , 2014 , 18, 832-43	5.6	12
79	Lymphocyte subsets and their H2AX phosphorylation in response to in vivo irradiation in rats. <i>International Journal of Radiation Biology</i> , 2013 , 89, 110-7	2.9	10
78	Procedure for improved cleaning of FACSria cuvette flow cell. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2013 , 83, 523-7	4.6	
77	Inhibition of ATR kinase with the selective inhibitor VE-821 results in radiosensitization of cells of promyelocytic leukaemia (HL-60). <i>Radiation and Environmental Biophysics</i> , 2013 , 52, 471-9	2	28
76	Characterization of CD34+ thymocytes in newborn dogs. <i>Veterinary Immunology and Immunopathology</i> , 2012 , 147, 86-90	2	1
75	Activation of p38 MAPK and expression of TGF- β in rat colon enterocytes after whole body irradiation. <i>International Journal of Radiation Biology</i> , 2012 , 88, 348-58	2.9	15
74	Splenectomy influences homing of transplanted stem cells in bone marrow-ablated mice. <i>Stem Cells and Development</i> , 2012 , 21, 702-9	4.4	5

73	In vitro platelet antiaggregatory properties of 4-methylcoumarins. <i>Biochimie</i> , 2012 , 94, 2681-6	4.6	19
72	Soman and VX: different effect on cellular signalling. <i>Journal of Applied Biomedicine</i> , 2012 , 10, 51-61	0.6	3
71	Irradiated stem cells and ageing of the haematopoietic system. <i>Radiation and Environmental Biophysics</i> , 2012 , 51, 205-13	2	2
70	Radio-sensitization of human leukaemic molt-4 cells by DNA-dependent protein kinase inhibitor, NU7026. <i>Acta Medica (Hradec Kralove)</i> , 2012 , 55, 66-73	0.8	11
69	EFFECT OF SOMAN ON JNK AND P38 MITOGEN ACTIVATED PROTEIN KINASE (MAPK) PATHWAYS. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2012 , 81, 68-75	0.2	1
68	PHOSPHATIDYLINOSITOL-3-KINASE RELATED KINASES (PIKKS) IN RADIATION-INDUCED DNA DAMAGE. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2012 , 81, 177-187	0.2	2
67	EFFECT OF ACETYL-L-CARNITINE PRETREATMENT ON RADIATION PNEUMONITIS AND L-ARGININE-NO METABOLIC PATHWAY. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2012 , 81, 119-128	0.2	
66	Sensitivity of porcine peripheral blood leukocytes to gamma irradiation in vivo, in vitro and ex vivo. <i>International Journal of Radiation Biology</i> , 2011 , 87, 491-8	2.9	5
65	Phosphorylation of histone H2AX in peripheral blood mononuclear cells after thoracic irradiation of rats. <i>Journal of Applied Biomedicine</i> , 2011 , 9, 209-218	0.6	5
64	Caffeine-suppressed ATM pathway leads to decreased p53 phosphorylation and increased programmed cell death in gamma-irradiated leukaemic molt-4 cells. <i>Journal of Applied Biomedicine</i> , 2011 , 9, 49-56	0.6	10
63	Macrophage-assisted inflammation and pharmacological regulation of the cholinergic anti-inflammatory pathway. <i>Current Medicinal Chemistry</i> , 2011 , 18, 539-51	4.3	17
62	Dynamics of apoptosis in irradiated lymphocytes and the CD21+CD27+ B-cell subset as a potential biodosimetric marker. <i>Radiation Measurements</i> , 2011 , 46, 1009-1013	1.5	2
61	Phosphorylation of histone H2AX as an indicator of received dose of gamma radiation after whole-body irradiation of rats. <i>Acta Veterinaria Brno</i> , 2011 , 80, 113-118	0.8	5
60	CYTOKINESIS-BLOCK MICRONUCLEUS (CBMN) ASSAY/CBMN CYTOME ASSAY IN HUMAN LYMPHOCYTES AFTER IN VITRO IRRADIATION AND ITS USE IN BIOSIMETRY. <i>Military Medical Science Letters (Vojenske Zdravotnicke Listy)</i> , 2011 , 80, 28-37	0.2	8
59	Exposure to fractionated dose of 60 Gy affects molecular response of HL-60 cells to irradiation. <i>General Physiology and Biophysics</i> , 2010 , 29, 275-281	2.1	2
58	In vitro interactions of coumarins with iron. <i>Biochimie</i> , 2010 , 92, 1108-14	4.6	58
57	Soman poisoning alters p38 MAPK pathway in rat cerebellar Purkinje cells. <i>Journal of Applied Toxicology</i> , 2009 , 29, 338-45	4.1	10
56	Different solutions used for submucosal injection influenced early healing of gastric endoscopic mucosal resection in a preclinical study in experimental pigs. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2009 , 23, 2094-101	5.2	9

55	Homing of lin(-)/CD117(+) hematopoietic stem cells. <i>Transfusion and Apheresis Science</i> , 2009 , 41, 183-90	2.4	9
54	Radiosensitivity of peripheral blood B cells in pigs. <i>Veterinari Medicina</i> , 2009 , 54, 223-235	0.7	4
53	DPPH Radical Scavenging Activity of Several Naturally Occurring Coumarins and Their Synthesized Analogs Measured by the SIA Method. <i>Toxicology Mechanisms and Methods</i> , 2008 , 18, 413-8	3.6	9
52	In vitro antiplatelet activity of flavonoids from <i>Leuzea carthamoides</i> . <i>Drug and Chemical Toxicology</i> , 2008 , 31, 27-35	2.3	21
51	Evaluation of natural antioxidants of <i>Leuzea carthamoides</i> as a result of a screening study of 88 plant extracts from the European Asteraceae and Cichoriaceae. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2008 , 23, 218-24	5.6	16
50	Commensal intestinal bacterial strains trigger ankylosing enthesopathy of the ankle in inbred B10.BR (H-2(k)) male mice. <i>Human Immunology</i> , 2008 , 69, 845-50	2.3	54
49	Evaluation of natural substances from <i>Evolvulus alsinoides</i> L. with the purpose of determining their antioxidant potency. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2008 , 23, 574-8	5.6	16
48	High-performance liquid chromatography analysis of four <i>Leuzea carthamoides</i> flavonoids. <i>Journal of Chromatographic Science</i> , 2008 , 46, 162-4	1.4	1
47	Condensed and hydrolysable tannins as antioxidants influencing the health. <i>Mini-Reviews in Medicinal Chemistry</i> , 2008 , 8, 436-47	3.2	157
46	Hematopoietic recovery after transplantation CD117+B220- (LACZ*) bone marrow cells in lethally irradiated mice. <i>Acta Medica (Hradec Kralove)</i> , 2008 , 51, 37-41	0.8	4
45	Changes in phosphorylation of histone H2A.X and p53 in response of peripheral blood lymphocytes to gamma irradiation.. <i>Acta Biochimica Polonica</i> , 2008 , 55, 381-390	2	25
44	Morphological changes of rat jejunum after whole body gamma-irradiation and their impact in biodosimetry. <i>Physiological Research</i> , 2008 , 57, 475-479	2.1	23
43	Expression of phospho-Elk-1 in rat gut after the whole body gamma irradiation. <i>Physiological Research</i> , 2008 , 57, 753-760	2.1	5
42	CD27(+) peripheral blood B-cells are a useful biodosimetric marker in vitro. <i>Physiological Research</i> , 2008 , 57, 589-600	2.1	12
41	Segmented filamentous bacteria in a defined bacterial cocktail induce intestinal inflammation in SCID mice reconstituted with CD45RBhigh CD4+ T cells. <i>Inflammatory Bowel Diseases</i> , 2007 , 13, 1202-11	4.5	155
40	Immune development in jejunal mucosa after colonization with selected commensal gut bacteria: a study in germ-free pigs. <i>Veterinary Immunology and Immunopathology</i> , 2007 , 119, 243-53	2	50
39	Cross-reactive anti-human monoclonal antibodies as a tool for B-cell identification in dogs and pigs. <i>Veterinary Immunology and Immunopathology</i> , 2007 , 119, 56-62	2	26
38	Commercially available rabbit anti-human polyclonal antisera as a useful tool for immune system studies in veterinary species. <i>Veterinary Immunology and Immunopathology</i> , 2007 , 119, 156-62	2	6

37	Decrease of dehydrogenase activity of cerebral glyceraldehyde-3-phosphate dehydrogenase in different animal models of Alzheimer's disease. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2007 , 1770, 826-32	4	30
36	Sexual dimorphism, but not testosterone itself, is responsible for ankylosing enthesitis of the ankle in B10.BR (H-2k) male mice. <i>Annals of the Rheumatic Diseases</i> , 2006 , 65, 130-2	2.4	5
35	HlyA knock out yields a safer Escherichia coli A0 34/86 variant with unaffected colonization capacity in piglets. <i>FEMS Immunology and Medical Microbiology</i> , 2006 , 48, 257-66		12
34	The importance of cell surface RANKL in rheumatoid arthritis. <i>Arthritis Research</i> , 2005 , 7, P152		78
33	Impairment of the peripheral lymphoid compartment in iron-deficient piglets. <i>Zoonoses and Public Health</i> , 2004 , 51, 231-7		12
32	Experimental colitis does not increase the prevalence of ANKENT, a spontaneous joint disease in mice. <i>Folia Microbiologica</i> , 2004 , 49, 745-50	2.8	3
31	Commensal bacteria (normal microflora), mucosal immunity and chronic inflammatory and autoimmune diseases. <i>Immunology Letters</i> , 2004 , 93, 97-108	4.1	512
30	Prenatal development of the porcine TCR delta repertoire: dominant expression of an invariant T cell receptor Vdelta3-Jdelta3 chain. <i>European Journal of Immunology</i> , 2004 , 34, 1941-9	6.1	20
29	Flow cytometric analysis of bone marrow leukocytes in neonatal dogs. <i>Veterinary Immunology and Immunopathology</i> , 2003 , 95, 165-76	2	18
28	Differential effect of Bacillus firmus on immune response and enterocyte brush-border enzyme levels in BALB/c and B10.BR mice. <i>Folia Microbiologica</i> , 2002 , 47, 759-65	2.8	
27	Binding of the Galanthus nivalis agglutinin to thymocytes reveals alterations in surface glycosylation during T-cell development. <i>Scandinavian Journal of Immunology</i> , 2002 , 55, 196-203	3.4	1
26	Mucosal immunity: its role in defense and allergy. <i>International Archives of Allergy and Immunology</i> , 2002 , 128, 77-89	3.7	76
25	Early development of immune system in pigs. <i>Veterinary Immunology and Immunopathology</i> , 2002 , 87, 301-6	2	42
24	Switch recombination in fetal porcine thymus is uncoupled from somatic mutation. <i>Veterinary Immunology and Immunopathology</i> , 2002 , 87, 307-19	2	9
23	Bifidobacterium bifidum monoassociation of gnotobiotic mice: effect on enterocyte brush-border enzymes. <i>Folia Microbiologica</i> , 2001 , 46, 573-6	2.8	15
22	The influence of a colonic microbiota on HEMA copolymer lectin conjugates binding in rodent intestine. <i>Journal of Drug Targeting</i> , 2001 , 9, 85-94	5.4	18
21	Antibody repertoire development in fetal and neonatal piglets. IV. Switch recombination, primarily in fetal thymus, occurs independent of environmental antigen and is only weakly associated with repertoire diversification. <i>Journal of Immunology</i> , 2001 , 167, 3239-49	5.3	51
20	Specific antibody and immunoglobulin responses after intestinal colonization of germ-free piglets with non-pathogenic Escherichia coli O86. <i>Immunobiology</i> , 2001 , 204, 425-33	3.4	40

19	Early ontogeny of thymocytes in pigs: sequential colonization of the thymus by T cell progenitors. <i>Journal of Immunology</i> , 2000 , 165, 1832-9	5.3	55
18	Germ-free mice do not develop ankylosing enthesopathy, a spontaneous joint disease. <i>Human Immunology</i> , 2000 , 61, 555-8	2.3	66
17	Effect of peroral anti-bacterial antiserum treatment on intestinal immune parameters of germ-free piglets intragastrically infected with virulent <i>Salmonella typhimurium</i> or enteropathogenic <i>E. coli</i> . <i>Veterinary Immunology and Immunopathology</i> , 1999 , 67, 55-65	2	4
16	Existence of uncoupling protein-2 antigen in isolated mitochondria from various tissues. <i>FEBS Letters</i> , 1999 , 455, 79-82	3.8	11
15	Salmonellosis: lessons drawn from a germ-free pig model. <i>Folia Microbiologica</i> , 1998 , 43, 697-701	2.8	8
14	Effect of controlled antigenic stimulation on lymphocyte subsets in pigs and pig fetuses. <i>Folia Microbiologica</i> , 1998 , 43, 513-6	2.8	4
13	Autoimmunity, immunodeficiency and mucosal infections: chronic intestinal inflammation as a sensitive indicator of immunoregulatory defects in response to normal luminal microflora. <i>Folia Microbiologica</i> , 1998 , 43, 545-50	2.8	15
12	Monoclonal antibodies putatively identifying porcine B cells. <i>Veterinary Immunology and Immunopathology</i> , 1998 , 60, 317-28	2	22
11	Prenatal ontogeny of lymphocyte subpopulations in pigs. <i>Immunology</i> , 1998 , 95, 595-603	7.8	56
10	Expression of CD2 on porcine B lymphocytes. <i>Immunology</i> , 1998 , 95, 443-9	7.8	33
9	In vivo study of interferon-alpha-secreting cells in pig foetal lymphohaematopoietic organs following in utero TGEV coronavirus injection. <i>Research in Immunology</i> , 1997 , 148, 247-56		11
8	Bacterial immunomodulators affect programmed cell death of mouse spleen lymphocytes. <i>Annals of the New York Academy of Sciences</i> , 1997 , 815, 492-5	6.5	1
7	Autoimmune reactions induced by gliadin feeding in germ-free AVN rats and athymic nude mice. Animal models for celiac disease. <i>Annals of the New York Academy of Sciences</i> , 1997 , 815, 503-5	6.5	8
6	Pathogenicity and protective effect of rough mutants of <i>Salmonella</i> species in germ-free piglets. <i>Infection and Immunity</i> , 1997 , 65, 5238-43	3.7	27
5	Cellular changes and cytokine expression in the ilea of gnotobiotic piglets resulting from peroral <i>Salmonella typhimurium</i> challenge. <i>Infection and Immunity</i> , 1997 , 65, 5244-9	3.7	19
4	Isotype and antibody specificity of spontaneously formed immunoglobulins in pig fetuses and germ-free piglets: production by CD5 ⁺ B cells. <i>Immunology</i> , 1996 , 88, 611-7	7.8	39
3	Polyclonal immunoglobulin response of thymic, hepatic and splenic lymphocytes from fetal, germ-free and conventionally reared pigs to different B-cell activators. <i>Folia Microbiologica</i> , 1995 , 40, 421-30	2.8	7
2	Skin response to tuberculin in pig fetuses and germ-free piglets. <i>Immunology Letters</i> , 1992 , 33, 271-6	4.1	5

- 1 Diatom succession in the post-glacial sediments of the Komoňny Lake, North-West Bohemia, Czechoslovakia. *Hydrobiologia*, **1983**, 103, 241-245

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