

Katarina Bauerova

List of Publications by Citations

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44
papers

402
citations

12
h-index

16
g-index

45
ext. papers

454
ext. citations

2.8
avg, IF

2.83
L-index

#	Paper	IF	Citations
44	Utilization of adjuvant arthritis model for evaluation of new approaches in rheumatoid arthritis therapy focused on regulation of immune processes and oxidative stress. <i>Interdisciplinary Toxicology</i> , 2011 , 4, 33-9	2.3	30
43	Glucomannan reduces neutrophil free radical production in vitro and in rats with adjuvant arthritis. <i>Pharmacological Research</i> , 2009 , 59, 399-403	10.2	28
42	Decreased activity of neutrophils in the presence of diferuloylmethane (curcumin) involves protein kinase C inhibition. <i>European Journal of Pharmacology</i> , 2009 , 612, 161-6	5.3	27
41	Combined methotrexate and coenzyme Q ₁₀ therapy in adjuvant-induced arthritis evaluated using parameters of inflammation and oxidative stress.. <i>Acta Biochimica Polonica</i> , 2010 , 57,	2	22
40	Markers of inflammation and oxidative stress studied in adjuvant-induced arthritis in the rat on systemic and local level affected by pinosylvlin and methotrexate and their combination. <i>Autoimmunity</i> , 2015 , 48, 46-56	3	21
39	Methotrexate treatment ameliorated testicular suppression and anorexia related leptin reduction in rats with adjuvant arthritis. <i>Rheumatology International</i> , 2009 , 29, 1187-91	3.6	17
38	Combined methotrexate and coenzyme Q ₁₀ therapy in adjuvant-induced arthritis evaluated using parameters of inflammation and oxidative stress. <i>Acta Biochimica Polonica</i> , 2010 , 57, 347-54	2	17
37	Pharmacological regulation of neutrophil activity and apoptosis: Contribution to new strategy for modulation of inflammatory processes. <i>Interdisciplinary Toxicology</i> , 2011 , 4, 11-4	2.3	16
36	Effect of methotrexate on inflammatory cells redistribution in experimental adjuvant arthritis. <i>Rheumatology International</i> , 2012 , 32, 3517-23	3.6	14
35	The effects of pterostilbene on neutrophil activity in experimental model of arthritis. <i>BioMed Research International</i> , 2013 , 2013, 106041	3	14
34	Selective inhibition of extracellular oxidants liberated from human neutrophils--A new mechanism potentially involved in the anti-inflammatory activity of hydroxychloroquine. <i>International Immunopharmacology</i> , 2015 , 28, 175-81	5.8	13
33	N-feruloylserotonin in preventive combination therapy with methotrexate reduced inflammation in adjuvant arthritis. <i>Fundamental and Clinical Pharmacology</i> , 2014 , 28, 616-26	3.1	12
32	Ferulaldehyde Improves the Effect of Methotrexate in Experimental Arthritis. <i>Molecules</i> , 2017 , 22,	4.8	11
31	Pharmacological influence on processes of adjuvant arthritis: Effect of the combination of an antioxidant active substance with methotrexate. <i>Interdisciplinary Toxicology</i> , 2012 , 5, 84-91	2.3	11
30	Effect of coenzyme Q(10) supplementation in the rat model of adjuvant arthritis. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia</i> , 2005 , 149, 501-3	1.7	11
29	Determination of pentoxifylline in serum by high-performance thin-layer chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1991 , 9, 247-50	3.5	10
28	Study of the solid phase extraction of pentoxifylline and its major metabolite as a basis of their rapid low concentration gas chromatographic determination in serum. <i>Biomedical Chromatography</i> , 1991 , 5, 256-61	1.7	10

27	Does stereochemistry influence transdermal permeation of flurbiprofen through the rat skin?. <i>Archives of Dermatological Research</i> , 2010 , 302, 635-8	3.3	9
26	Effect of N-Feruloylserotonin and Methotrexate on Severity of Experimental Arthritis and on Messenger RNA Expression of Key Proinflammatory Markers in Liver. <i>Journal of Immunology Research</i> , 2016 , 2016, 7509653	4.5	9
25	Effects of sesame oil in the model of adjuvant arthritis. <i>Neuroendocrinology Letters</i> , 2009 , 30 Suppl 1, 22-4	0.3	8
24	In vivo effect of pinosylvin and pterostilbene in the animal model of adjuvant arthritis. <i>Neuroendocrinology Letters</i> , 2010 , 31 Suppl 2, 91-5	0.3	8
23	Reduction of oxidative stress in adjuvant arthritis. Comparison of efficacy of two pyridoindoles: stobadine dipalmitate and SMe1.2HCl. <i>Acta Biochimica Polonica</i> , 2010 , 57,	2	7
22	Effect of nonanimal high- and low-molecular-mass chondroitin sulfates produced by a biotechnological process in an animal model of polyarthritis. <i>Pharmacology</i> , 2014 , 94, 109-14	2.3	6
21	Glucomanan in prevention of oxidative stress and inflammation occurring in adjuvant arthritis. <i>Neuroendocrinology Letters</i> , 2008 , 29, 691-6	0.3	6
20	Reduction of oxidative stress in adjuvant arthritis. Comparison of efficacy of two pyridoindoles: stobadine dipalmitate and SMe1.2HCl. <i>Acta Biochimica Polonica</i> , 2010 , 57, 223-8	2	6
19	Formation of reactive oxygen and nitrogen species in the presence of pinosylvin - an analogue of resveratrol. <i>Neuroendocrinology Letters</i> , 2010 , 31 Suppl 2, 79-83	0.3	6
18	Carnosine inhibits degradation of hyaluronan induced by free radical processes in vitro and improves the redox imbalance in adjuvant arthritis in vivo. <i>Neuroendocrinology Letters</i> , 2010 , 31 Suppl 2, 96-100	0.3	6
17	Aurothiomalate as preventive and chain-breaking antioxidant in radical degradation of high-molar-mass hyaluronan. <i>Chemistry and Biodiversity</i> , 2011 , 8, 1274-83	2.5	5
16	Contribution to the penetration of radionuclides across the skin. Concentration dependence of strontium through the skin in vitro. <i>Journal of Applied Toxicology</i> , 2001 , 21, 241-3	4.1	5
15	Modulation of methotrexate efficacy by green tea polyphenols in rat adjuvant arthritis. <i>PharmaNutrition</i> , 2020 , 14, 100228	2.9	5
14	Association between tissue gamma-glutamyl-transferase and clinical markers of adjuvant arthritis in Lewis rats. <i>Neuroendocrinology Letters</i> , 2006 , 27 Suppl 2, 172-5	0.3	5
13	Bioflavonoid Robinin from Lam. Mildly Improves the Effect of Methotrexate in Rats with Adjuvant Arthritis. <i>Nutrients</i> , 2021 , 13,	6.7	4
12	Oxidative impairment of plasma and skeletal muscle sarcoplasmic reticulum in rats with adjuvant arthritis - effects of pyridoindole antioxidants. <i>Neuroendocrinology Letters</i> , 2008 , 29, 706-11	0.3	4
11	Impact of Oxidative Stress on Inflammation in Rheumatoid and Adjuvant Arthritis: Damage to Lipids, Proteins, and Enzymatic Antioxidant Defense in Plasma and Different Tissues 2020 ,		3
10	Modulation of SERCA in the chronic phase of adjuvant arthritis as a possible adaptation mechanism of redox imbalance. <i>Free Radical Research</i> , 2009 , 43, 852-64	4	3

9	Effect of aminoguanidine and copper(II) ions on the formation of advanced glycosylation end products. In vitro study on human serum albumin. <i>Arzneimittelforschung</i> , 2001 , 51, 280-3		3
8	Possibilities of the microemulsion use as indomethacin solubilizer and its effect on and drug permeation from dermal gels in comparison with transcutol. <i>Drug Development and Industrial Pharmacy</i> , 2020 , 46, 1468-1476	3.6	3
7	Microemulsions as Solubilizers and Penetration Enhancers for Minoxidil Release from Gels. <i>Gels</i> , 2021 , 7,	4.2	2
6	The Role of Endogenous Antioxidants in the Treatment of Experimental Arthritis 2019 ,		2
5	Matrix adhesive system containing plant extract. <i>Monatshefte Für Chemie</i> , 2018 , 149, 883-885	1.4	1
4	Evaluation of liposomal carnosine in adjuvant arthritis. <i>General Physiology and Biophysics</i> , 2017 , 36, 471-479		1
3	A new insight into effects of a clinically proved combination of methotrexate and hydroxychloroquine. <i>Monatshefte Für Chemie</i> , 2018 , 149, 961-967	1.4	
2	The effects of β -glucan isolated from <i>Pleurotus ostreatus</i> on the development of arthritis and methotrexate treatment in rats with adjuvant arthritis. <i>Reumatologia</i> , 2013 , 4, 277-283	1.7	
1	Improvement of Standard Antirheumatic Therapy by Phytochemicals 2019 , 69-93		