

# Katarina Bauerova

## 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.

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	Microemulsions as Solubilizers and Penetration Enhancers for Minoxidil Release from Gels. <i>Gels</i> , <b>2021</b> , 7,	4.2	2
43	Bioflavonoid Robinin from Lam. Mildly Improves the Effect of Methotrexate in Rats with Adjuvant Arthritis. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	4
42	Impact of Oxidative Stress on Inflammation in Rheumatoid and Adjuvant Arthritis: Damage to Lipids, Proteins, and Enzymatic Antioxidant Defense in Plasma and Different Tissues <b>2020</b> ,		3
41	Modulation of methotrexate efficacy by green tea polyphenols in rat adjuvant arthritis. <i>PharmaNutrition</i> , <b>2020</b> , 14, 100228	2.9	5
40	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> , <b>2020</b> , 46, 1468-1476	3.6	3
39	Improvement of Standard Antirheumatic Therapy by Phytochemicals <b>2019</b> , 69-93		
38	The Role of Endogenous Antioxidants in the Treatment of Experimental Arthritis <b>2019</b> ,		2
37	A new insight into effects of a clinically proved combination of methotrexate and hydroxychloroquine. <i>Monatshefte Für Chemie</i> , <b>2018</b> , 149, 961-967	1.4	
36	Matrix adhesive system containing plant extract. <i>Monatshefte Für Chemie</i> , <b>2018</b> , 149, 883-885	1.4	1
35	Evaluation of liposomal carnosine in adjuvant arthritis. <i>General Physiology and Biophysics</i> , <b>2017</b> , 36, 471-479		1
34	Ferulaldehyde Improves the Effect of Methotrexate in Experimental Arthritis. <i>Molecules</i> , <b>2017</b> , 22,	4.8	11
33	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> , <b>2016</b> , 2016, 7509653	4.5	9
32	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> , <b>2015</b> , 28, 175-81	5.8	13
31	Markers of inflammation and oxidative stress studied in adjuvant-induced arthritis in the rat on systemic and local level affected by pinosylvin and methotrexate and their combination. <i>Autoimmunity</i> , <b>2015</b> , 48, 46-56	3	21
30	N-feruloylserotonin in preventive combination therapy with methotrexate reduced inflammation in adjuvant arthritis. <i>Fundamental and Clinical Pharmacology</i> , <b>2014</b> , 28, 616-26	3.1	12
29	Effect of nonanimal high- and low-molecular-mass chondroitin sulfates produced by a biotechnological process in an animal model of polyarthritis. <i>Pharmacology</i> , <b>2014</b> , 94, 109-14	2.3	6
28	The effects of pterostilbene on neutrophil activity in experimental model of arthritis. <i>BioMed Research International</i> , <b>2013</b> , 2013, 106041	3	14

27	The effects of $\beta$ -glucan isolated from <i>Pleurotus ostreatus</i> on the development of arthritis and methotrexate treatment in rats with adjuvant arthritis. <i>Reumatologia</i> , <b>2013</b> , 4, 277-283	1.7	
26	Effect of methotrexate on inflammatory cells redistribution in experimental adjuvant arthritis. <i>Rheumatology International</i> , <b>2012</b> , 32, 3517-23	3.6	14
25	Pharmacological influence on processes of adjuvant arthritis: Effect of the combination of an antioxidant active substance with methotrexate. <i>Interdisciplinary Toxicology</i> , <b>2012</b> , 5, 84-91	2.3	11
24	Aurothiomalate as preventive and chain-breaking antioxidant in radical degradation of high-molar-mass hyaluronan. <i>Chemistry and Biodiversity</i> , <b>2011</b> , 8, 1274-83	2.5	5
23	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> , <b>2011</b> , 4, 33-9	2.3	30
22	Pharmacological regulation of neutrophil activity and apoptosis: Contribution to new strategy for modulation of inflammatory processes. <i>Interdisciplinary Toxicology</i> , <b>2011</b> , 4, 11-4	2.3	16
21	Does stereochemistry influence transdermal permeation of flurbiprofen through the rat skin?. <i>Archives of Dermatological Research</i> , <b>2010</b> , 302, 635-8	3.3	9
20	Reduction of oxidative stress in adjuvant arthritis. Comparison of efficacy of two pyridoindoles: stobadine dipalmitate and SMe1.2HCl. <i>Acta Biochimica Polonica</i> , <b>2010</b> , 57,	2	7
19	Combined methotrexate and coenzyme Q10 therapy in adjuvant-induced arthritis evaluated using parameters of inflammation and oxidative stress. <i>Acta Biochimica Polonica</i> , <b>2010</b> , 57,	2	22
18	Reduction of oxidative stress in adjuvant arthritis. Comparison of efficacy of two pyridoindoles: stobadine dipalmitate and SMe1.2HCl. <i>Acta Biochimica Polonica</i> , <b>2010</b> , 57, 223-8	2	6
17	Combined methotrexate and coenzyme Q10 therapy in adjuvant-induced arthritis evaluated using parameters of inflammation and oxidative stress. <i>Acta Biochimica Polonica</i> , <b>2010</b> , 57, 347-54	2	17
16	In vivo effect of pinosylvin and pterostilbene in the animal model of adjuvant arthritis. <i>Neuroendocrinology Letters</i> , <b>2010</b> , 31 Suppl 2, 91-5	0.3	8
15	Formation of reactive oxygen and nitrogen species in the presence of pinosylvin - an analogue of resveratrol. <i>Neuroendocrinology Letters</i> , <b>2010</b> , 31 Suppl 2, 79-83	0.3	6
14	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> , <b>2010</b> , 31 Suppl 2, 96-100	0.3	6
13	Decreased activity of neutrophils in the presence of diferuloylmethane (curcumin) involves protein kinase C inhibition. <i>European Journal of Pharmacology</i> , <b>2009</b> , 612, 161-6	5.3	27
12	Methotrexate treatment ameliorated testicular suppression and anorexia related leptin reduction in rats with adjuvant arthritis. <i>Rheumatology International</i> , <b>2009</b> , 29, 1187-91	3.6	17
11	Glucomannan reduces neutrophil free radical production in vitro and in rats with adjuvant arthritis. <i>Pharmacological Research</i> , <b>2009</b> , 59, 399-403	10.2	28
10	Modulation of SERCA in the chronic phase of adjuvant arthritis as a possible adaptation mechanism of redox imbalance. <i>Free Radical Research</i> , <b>2009</b> , 43, 852-64	4	3

9	Effects of sesame oil in the model of adjuvant arthritis. <i>Neuroendocrinology Letters</i> , <b>2009</b> , 30 Suppl 1, 22-4	0.3	8
8	Oxidative impairment of plasma and skeletal muscle sarcoplasmic reticulum in rats with adjuvant arthritis - effects of pyridoindole antioxidants. <i>Neuroendocrinology Letters</i> , <b>2008</b> , 29, 706-11	0.3	4
7	Glucomannan in prevention of oxidative stress and inflammation occurring in adjuvant arthritis. <i>Neuroendocrinology Letters</i> , <b>2008</b> , 29, 691-6	0.3	6
6	Association between tissue gamma-glutamyl-transferase and clinical markers of adjuvant arthritis in Lewis rats. <i>Neuroendocrinology Letters</i> , <b>2006</b> , 27 Suppl 2, 172-5	0.3	5
5	Effect of coenzyme Q(10) supplementation in the rat model of adjuvant arthritis. <i>Biomedical Papers of the Medical Faculty of the University Palacky&amp;#x0301; Olomouc, Czechoslovakia</i> , <b>2005</b> , 149, 501-3 <sup>1.7</sup>		11
4	Contribution to the penetration of radionuclides across the skin. Concentration dependence of strontium through the skin in vitro. <i>Journal of Applied Toxicology</i> , <b>2001</b> , 21, 241-3	4.1	5
3	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> , <b>2001</b> , 51, 280-3		3
2	Determination of pentoxifylline in serum by high-performance thin-layer chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>1991</b> , 9, 247-50	3.5	10
1	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> , <b>1991</b> , 5, 256-61	1.7	10