

# Benita Wiatrak

## List of Publications by Year in descending order

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55  
papers

685  
citations

623188

14  
h-index

642321

23  
g-index

57  
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57  
docs citations

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times ranked

574  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sanguinarine-Chelerythrine Fraction of <i>Coptis chinensis</i> Exerts Anti-inflammatory Activity in Carrageenan Paw Oedema Test in Rats and Reveals Reduced Gastrotoxicity. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-12.	1.9	7
2	Effect of amyloid- $\beta^2$ on the redox system activity in SH-SY5Y cells preincubated with lipopolysaccharide or co-cultured with microglia cells. <i>Biomedicine and Pharmacotherapy</i> , 2022, 149, 112880.	2.5	8
3	The Role of the Microbiota-Gut-Brain Axis in the Development of Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4862.	1.8	25
4	Influence of 40 Hz and 100 Hz Vibration on SH-SY5Y Cells Growth and Differentiation—A Preliminary Study. <i>Molecules</i> , 2022, 27, 3337.	1.7	0
5	Lysosomal Exocytosis of Olivacine on the Way to Explain Drug Resistance in Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6119.	1.8	0
6	The Risk of Developing Alzheimer's Disease and Parkinson's Disease in Patients with Inflammatory Bowel Disease: A Meta-Analysis. <i>Journal of Clinical Medicine</i> , 2022, 11, 3704.	1.0	16
7	Evaluation of Antimicrobial and Chemopreventive Properties and Phytochemical Analysis of <i>Solanum nigrum</i> L. Aerial Parts and Root Extracts. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6845.	1.3	3
8	Chemistry, oxidative stability and bioactivity of oil extracted from <i>Rosa rugosa</i> (Thunb.) seeds by supercritical carbon dioxide. <i>Food Chemistry</i> , 2021, 335, 127649.	4.2	17
9	Synthesis and biological evaluation as well as in silico studies of arylpiperazine-1,2-benzothiazine derivatives as novel anti-inflammatory agents. <i>Bioorganic Chemistry</i> , 2021, 106, 104476.	2.0	16
10	Protective Activity of $A\beta^2$ on Cell Cultures (PC12 and THP-1 after Differentiation) Preincubated with Lipopolysaccharide (LPS). <i>Molecular Neurobiology</i> , 2021, 58, 1453-1464.	1.9	17
11	Design and Synthesis of N-Substituted 3,4-Pyrroledicarboximides as Potential Anti-Inflammatory Agents. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1410.	1.8	8
12	Novel Pyrimidine Derivatives as Potential Anticancer Agents: Synthesis, Biological Evaluation and Molecular Docking Study. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3825.	1.8	26
13	PC12 and THP-1 Cell Lines as Neuronal and Microglia Model in Neurobiological Research. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3729.	1.3	11
14	Nanohydroxyapatite as a Biomaterial for Peripheral Nerve Regeneration after Mechanical Damage—In Vitro Study. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4454.	1.8	9
15	Colorectal Adenocarcinoma Cell Culture in a Microfluidically Controlled Environment with a Static Molecular Gradient of Polyphenol. <i>Molecules</i> , 2021, 26, 3215.	1.7	4
16	The Impact of High Glucose or Insulin Exposure on S100B Protein Levels, Oxidative and Nitrosative Stress and DNA Damage in Neuron-Like Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5526.	1.8	6
17	The Incidence and Severity of Post-Vaccination Reactions after Vaccination against COVID-19. <i>Vaccines</i> , 2021, 9, 502.	2.1	52
18	Naturally Formed Chitinous Skeleton Isolated from the Marine Demosponge <i>Aplysina fistularis</i> as a 3D Scaffold for Tissue Engineering. <i>Materials</i> , 2021, 14, 2992.	1.3	17

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19	Searching for Noninvasive Predictors of the Diagnosis and Monitoring of Eosinophilic Esophagitis—The Importance of Biomarkers of the Inflammatory Reaction Involving Eosinophils. <i>Biomolecules</i> , 2021, 11, 890.	1.8	8
20	Bioactive Olivacine Derivatives—Potential Application in Cancer Therapy. <i>Biology</i> , 2021, 10, 564.	1.3	7
21	Interactions of Amyloid- $\beta^2$ with Membrane Proteins. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6075.	1.8	19
22	Bioactive Compounds of Raspberry Oil Emulsions Induced Oxidative Stress via Stimulating the Accumulation of Reactive Oxygen Species and NO in Cancer Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-16.	1.9	8
23	Evaluation of PC12 Cells™ Proliferation, Adhesion and Migration with the Use of an Extracellular Matrix (CorMatrix) for Application in Neural Tissue Engineering. <i>Materials</i> , 2021, 14, 3858.	1.3	2
24	A New N-Substituted 1H-Isoindole-1,3(2H)-Dione Derivative—Synthesis, Structure and Affinity for Cyclooxygenase Based on In Vitro Studies and Molecular Docking. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7678.	1.8	8
25	Long-Term Administration of Abacavir and Etravirine Impairs Semen Quality and Alters Redox System and Bone Metabolism in Growing Male Wistar Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-32.	1.9	4
26	Antiepileptic Stiripentol May Influence Bones. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7162.	1.8	2
27	Synthesis of New Tricyclic 1,2-Thiazine Derivatives with Anti-Inflammatory Activity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7818.	1.8	3
28	In Vitro and In Silico Evaluation of New 1,3,4-Oxadiazole Derivatives of Pyrrolo[3,4-d]pyridazinone as Promising Cyclooxygenase Inhibitors. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9130.	1.8	10
29	Effect of pyrrolo[3,4-d]pyridazinone derivatives in neuroinflammation induced by preincubation with lipopolysaccharide or coculturing with microglia-like cells. <i>Biomedicine and Pharmacotherapy</i> , 2021, 141, 111878.	2.5	4
30	Association of eosinophil-mediated inflammatory biomarkers with the presence of the Schatzki ring. <i>Advances in Medical Sciences</i> , 2021, 66, 279-283.	0.9	0
31	Patients™ Habits and the Role of Pharmacists and Telemedicine as Elements of a Modern Health Care System during the COVID-19 Pandemic. <i>Journal of Clinical Medicine</i> , 2021, 10, 4211.	1.0	9
32	Association between Schatzki ring and eosinophilic esophagitis: a systematic review and meta-analysis. <i>European Journal of Gastroenterology and Hepatology</i> , 2021, 33, 1167-1173.	0.8	1
33	Analysis of Static Molecular Gradients in a High-Throughput Drug Screening Microfluidic Assay. <i>Molecules</i> , 2021, 26, 6385.	1.7	1
34	Esophageal Motility Disorders in the Natural History of Acid-Dependent Causes of Dysphagia and Their Influence on Patients™ Quality of Life—A Prospective Cohort Study. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 11138.	1.2	1
35	New N-Substituted-1,2,4-triazole Derivatives of Pyrrolo[3,4-d]pyridazinone with Significant Anti-Inflammatory Activity—Design, Synthesis and Complementary In Vitro, Computational and Spectroscopic Studies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11235.	1.8	13
36	Preclinical Study of Immunological Isoxazole Derivatives as a Potential Support for Melanoma Chemotherapy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10920.	1.8	2

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37	Novel 1,3,4-Oxadiazole Derivatives of Pyrrolo[3,4-d]Pyridazinone Exert Anti-Inflammatory Activity without Acute Gastrotoxicity in the Carrageenan-Induced Rat Paw Edema Test. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 5739-5756.	1.6	14
38	Cationic Peptides and Their Cu(II) and Ni(II) Complexes: Coordination and Biological Characteristics. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12028.	1.8	5
39	The Technological Process of Obtaining New Linen Dressings Did Not Cause the Loss of Their Wound-Healing Properties. <i>Materials</i> , 2021, 14, 7736.	1.3	1
40	Synthesis, Cyclooxygenases Inhibition Activities and Interactions with BSA of N-substituted 1H-pyrrolo[3,4-c]pyridine-1,3(2H)-diones Derivatives. <i>Molecules</i> , 2020, 25, 2934.	1.7	8
41	New 1,3,4-Oxadiazole Derivatives of Pyridothiazine-1,1-Dioxide with Anti-Inflammatory Activity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9122.	1.8	21
42	Were our Ancestors Right in Using Flax Dressings? Research on the Properties of Flax Fibre and Its Usefulness in Wound Healing. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-10.	1.9	4
43	Design, Synthesis and Comprehensive Investigations of Pyrrolo[3,4-d]pyridazinone-Based 1,3,4-Oxadiazole as New Class of Selective COX-2 Inhibitors. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9623.	1.8	20
44	Novel 1,3,4-Oxadiazole Derivatives of Pyrrolo[3,4-d]pyridazinone Exert Antinociceptive Activity in the Tail-Flick and Formalin Test in Rodents and Reveal Reduced Gastrotoxicity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9685.	1.8	7
45	Cornelian Cherry Iridoid-Polyphenolic Extract Improves Mucosal Epithelial Barrier Integrity in Rat Experimental Colitis and Exerts Antimicrobial and Antiadhesive Activities In Vitro. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-19.	1.9	18
46	Antitumor Activity of New Olivacine Derivatives. <i>Molecules</i> , 2020, 25, 2512.	1.7	6
47	Design, synthesis, biological evaluation and in silico studies of novel pyrrolo[3,4-d]pyridazinone derivatives with promising anti-inflammatory and antioxidant activity. <i>Bioorganic Chemistry</i> , 2020, 102, 104035.	2.0	25
48	Effect of new olivacine derivatives on p53 protein level. <i>Pharmacological Reports</i> , 2020, 72, 214-224.	1.5	7
49	Effect of Novel Pyrrolo[3,4-d]pyridazinone Derivatives on Lipopolysaccharide-Induced Neuroinflammation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2575.	1.8	15
50	PC12 Cell Line: Cell Types, Coating of Culture Vessels, Differentiation and Other Culture Conditions. <i>Cells</i> , 2020, 9, 958.	1.8	160
51	Metformin and proliferation of cancer cell lines. <i>Pediatric Endocrinology, Diabetes and Metabolism</i> , 2020, 26, 159-166.	0.3	4
52	COX-1/COX-2 inhibition activities and molecular docking study of newly designed and synthesized pyrrolo[3,4-c]pyrrole Mannich bases. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 3918-3928.	1.4	20
53	Venous insufficiency: Differences in the content of trace elements. A preliminary report. <i>Advances in Clinical and Experimental Medicine</i> , 2018, 27, 695-701.	0.6	0
54	IMPACT OF FABRICS FROM TRANSGENIC FLAX PLANT ON HUMAN DERMAL FIBROBLASTS IN VITRO PROLIFERATION. <i>Acta Poloniae Pharmaceutica</i> , 2017, 74, 642-652.	0.3	1

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55	Telerehabilitation approach for patients with hand impairment. Acta of Bioengineering and Biomechanics, 2016, 18, 55-62.	0.2	4