

# Maciej Balawejder

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7982431/publications.pdf>

Version: 2024-02-01

64  
papers

862  
citations

471509

17  
h-index

580821

25  
g-index

65  
all docs

65  
docs citations

65  
times ranked

578  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of the Impact of the Application of a Quercetin-Copper Complex on the Course of Physiological and Biochemical Processes in Wheat Plants ( <i>Triticum aestivum</i> L.) Growing under Saline Conditions. <i>Cells</i> , 2022, 11, 1141.	4.1	4
2	The Usefulness of Ozone-Stabilized Municipal Sewage Sludge for Fertilization of Maize ( <i>Zea mays</i> L.). <i>Agriculture (Switzerland)</i> , 2022, 12, 387.	3.1	5
3	Photocatalytic Degradation of 4,4'-Isopropylidenebis(2,6-dibromophenol) on Magnetite Catalysts vs. Ozonolysis Method: Process Efficiency and Toxicity Assessment of Disinfection By-Products. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3438.	4.1	1
4	Quality and antioxidant activity of highbush blueberry fruit coated with starch-based and gelatine-based film enriched with cinnamon oil. <i>Food Control</i> , 2022, 138, 109015.	5.5	20
5	Ozone Treatment Improves the Texture of Strawberry Fruit during Storage. <i>Antioxidants</i> , 2022, 11, 821.	5.1	7
6	Mechanism of Reduction of Drought-Induced Oxidative Stress in Maize Plants by Fertilizer Seed Coating. <i>Agriculture (Switzerland)</i> , 2022, 12, 662.	3.1	5
7	The Effect of the Addition of Ozonated and Non-Ozonated Fruits of the Saskatoon Berry ( <i>Amelanchier</i> ) Tj ETQq1 1 0.784314 6gBT /Over 3.8	3.8	6
8	Effect of Ozone Treatment on the Quality of Sea Buckthorn ( <i>Hippophae rhamnoides</i> L.). <i>Plants</i> , 2021, 10, 847.	3.5	17
9	Effect of Fertilisation on the Quality of Dried Coriander ( <i>Coriandrum sativum</i> L.) and Lovage ( <i>Levisticum officinale</i> ). <i>Agriculture (Switzerland)</i> , 2021, 11, 386.	3.1	2
10	The Effect of Exogenous Application of Quercetin Derivative Solutions on the Course of Physiological and Biochemical Processes in Wheat Seedlings. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6882.	4.1	12
11	The study on the use of flavonoid- phosphatidylcholine coating in extending the oxidative stability of flaxseed oil during storage. <i>Food Packaging and Shelf Life</i> , 2021, 28, 100643.	7.5	5
12	Physiological Response of Maize Plants ( <i>Zea mays</i> L.) to the Use of the Potassium Quercetin Derivative. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7384.	4.1	11
13	Effectiveness of a Complex Fertilisation Technology Applied to <i>Zea mays</i> , Assessed Based on Normalised Difference Vegetation Index (NDVI) from Terra Moderate Resolution Imaging Spectroradiometer (MODIS). <i>Agriculture (Switzerland)</i> , 2021, 11, 754.	3.1	4
14	Development of a Route to the Most Active Nafronyl Stereoisomer by Coupling Asymmetric Synthesis and Chiral Chromatography Separation. <i>Chemical Engineering and Technology</i> , 2021, 44, 1686-1692.	1.5	0
15	The Role of Mitochondrial Energy Metabolism in Shaping the Quality of Highbush Blueberry Fruit During Storage in Ozone-Enriched Atmosphere. <i>Food and Bioprocess Technology</i> , 2021, 14, 1973-1982.	4.7	12
16	Characterisation of Some Phytochemicals Extracted from Black Elder ( <i>Sambucus nigra</i> L.) Flowers Subjected to Ozone Treatment. <i>Molecules</i> , 2021, 26, 5548.	3.8	7
17	Effect of Ozonation Process on the Energy Metabolism in Raspberry Fruit During Storage at Room Temperature. <i>Food and Bioprocess Technology</i> , 2021, 14, 483-491.	4.7	11
18	Effect of two types of ozone treatments on the quality of apple fruits. <i>Acta Universitatis Cibiniensis Series E: Food Technology</i> , 2021, 25, 285-292.	0.4	2

#	ARTICLE	IF	CITATIONS
19	Optimization of extraction process of antioxidant compounds from yellow onion skin and their use in functional bread production. <i>LWT - Food Science and Technology</i> , 2020, 117, 108614.	5.2	48
20	Ozone Treatment as a Process of Quality Improvement Method of Rhubarb ( <i>Rheum raphaniticum</i> L.) Petioles during Storage. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8282.	2.5	17
21	Effect of Ozone Fumigation on Physiological Processes and Bioactive Compounds of Red-Veined Sorrel ( <i>Rumex sanguineus</i> ssp. <i>sanguineus</i> ). <i>Agronomy</i> , 2020, 10, 1726.	3.0	12
22	Physiological and Biochemical Properties of Potato ( <i>Solanum tuberosum</i> L.) in Response to Ozone-Induced Oxidative Stress. <i>Agronomy</i> , 2020, 10, 1745.	3.0	5
23	Effects of Organic and Mineral Fertilization on Yield and Selected Quality Parameters for Dried Herbs of Two Varieties of Oregano ( <i>Origanum vulgare</i> L.). <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5503.	2.5	23
24	Effects of Ozone Treatment on Microbial Status and the Contents of Selected Bioactive Compounds in <i>Origanum majorana</i> L. <i>Plants</i> , 2020, 9, 1637.	3.5	13
25	Influence of Drying Method on Some Bioactive Compounds and the Composition of Volatile Components in Dried Pink Rock Rose ( <i>Cistus creticus</i> L.). <i>Molecules</i> , 2020, 25, 2596.	3.8	14
26	New Approach for Sewage Sludge Stabilization with Ozone. <i>Sustainability</i> , 2020, 12, 886.	3.2	9
27	A Study on the Potential Fertilization Effects of Microgranule Fertilizer Based on the Protein and Calcined Bones in Maize Cultivation. <i>Sustainability</i> , 2020, 12, 1343.	3.2	19
28	Mechanism of nutrition activity of a microgranule fertilizer fortified with proteins. <i>BMC Plant Biology</i> , 2020, 20, 126.	3.6	13
29	Changes in phenolic compounds profile and glutathione status in raspberry fruit during storage in ozone-enriched atmosphere. <i>Postharvest Biology and Technology</i> , 2020, 168, 111277.	6.0	34
30	Ozone Treatment Induces Changes in Antioxidative Defense System in Blueberry Fruit During Storage. <i>Food and Bioprocess Technology</i> , 2020, 13, 1240-1245.	4.7	37
31	Effect of Foliar and Soil Fertilization with New Products Based on Calcinated Bones on Selected Physiological Parameters of Maize Plants. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2579.	2.5	13
32	Response of Potato ( <i>Solanum Tuberosum</i> L.) Plants to Spraying by Hydrogen Peroxide. <i>Sustainability</i> , 2020, 12, 2469.	3.2	12
33	Influence of Drying Temperature on the Content of Bioactive Compounds in Scots Pine ( <i>Pinus</i> <i>Tj ETQq1 1 0.784314 rgBT /Overload</i> <i>Cibiniensis</i> Series E: <i>Food Technology</i> , 2020, 24, 15-24.	0.4	6
34	Impact of Ozonation Process on the Content of Bioactive Compounds with Antioxidant Properties in Scots Pine ( <i>Pinus sylvestris</i> L.) Shoots as Well as Yield and Composition of Essential Oils. <i>Acta Universitatis Cibiniensis Series E: Food Technology</i> , 2020, 24, 146-155.	0.4	4
35	Utilization of Ozone for the Improvement of <i>Mentha piperita</i> L. Quality by Reduction of Microbial Load and Impact of the Process on the Herb Properties. <i>Acta Universitatis Cibiniensis Series E: Food Technology</i> , 2020, 24, 156-164.	0.4	0
36	Impact of ozonation process on the antioxidant status in blackcurrant <i>Ribes nigrum</i> L. fruit. <i>Journal of Berry Research</i> , 2019, 9, 575-585.	1.4	3

#	ARTICLE	IF	CITATIONS
37	Impact of ozonation process on the level of selected oxidative stress markers in raspberries stored at room temperature. <i>Food Chemistry</i> , 2019, 298, 125093.	8.2	50
38	Foliar Fertilizer Based on Calcined Bones, Boron and Molybdenum – A Study on the Development and Potential Effects on Maize Grain Production. <i>Sustainability</i> , 2019, 11, 5287.	3.2	12
39	Onion skin extract as a protective agent against oxidative stress in <i>Saccharomyces cerevisiae</i> induced by cadmium. <i>Journal of Food Biochemistry</i> , 2019, 43, e12872.	2.9	18
40	Effect of Fertilization in Selected Phytometric Features and Contents of Bioactive Compounds in Dry Matter of Two Varieties of Basil ( <i>Ocimum basilicum</i> L.). <i>Sustainability</i> , 2019, 11, 6590.	3.2	28
41	Cooperative Kinetic Model to Describe Crystallization in Solid Solution Forming Systems. <i>Crystal Growth and Design</i> , 2019, 19, 1786-1796.	3.0	7
42	Impact of Ozonation Process on the Microbiological Contamination and Antioxidant Capacity of Highbush Blueberry ( <i>Vaccinium corymbosum</i> L.) Fruit during Cold Storage. <i>Ozone: Science and Engineering</i> , 2019, 41, 376-385.	2.5	32
43	Postharvest Ozone Treatment of Cucumber as a Method for Prolonging the Suitability of the Fruit for Processing. <i>Ozone: Science and Engineering</i> , 2019, 41, 261-264.	2.5	6
44	Quantitative Dynamics of Chosen Bacteria Phylla in Wastewater Treatment Plants Excess Sludge After Ozone Treatment. <i>Journal of Ecological Engineering</i> , 2019, 20, 204-213.	1.1	3
45	Impact of ozonation process on the microbiological and antioxidant status of raspberry ( <i>Rubus</i> ) Tj ETQq1 1 0.784314 rgBT / Overlock 10 0.9 38	0.9	38
46	Impact of ozonation process of wheat flour on the activity of selected enzymes. <i>Journal of Cereal Science</i> , 2018, 84, 30-37.	3.7	15
47	Effect of Ozone on Fruit Quality and Fungicide Residue Degradation in Apples during Cold Storage. <i>Ozone: Science and Engineering</i> , 2018, 40, 482-486.	2.5	33
48	Reduction of Captan, Boscalid and Pyraclostrobin Residues on Apples Using Water Only, Gaseous Ozone, and Ozone Aqueous Solution. <i>Ozone: Science and Engineering</i> , 2017, 39, 97-103.	2.5	25
49	Impact of Pre-Ozonation on Mechanical Properties of Selected Genotypes of Cucumber Fruits During the Souring Process. <i>Ozone: Science and Engineering</i> , 2017, 39, 188-195.	2.5	18
50	12. The Smell of Beer as a Factor Affecting the Emission of Carbon Dioxide by <i>Arion lusitanicus</i> Auct. Non-Mabille. <i>Annals of Animal Science</i> , 2016, 16, 463-476.	1.6	1
51	Pilot-scale Installation for Remediation of DDT-contaminated Soil. <i>Ozone: Science and Engineering</i> , 2016, 38, 272-278.	2.5	14
52	Multiplicity of Equilibrium States in Separating Stereoisomeric Mixtures of Nafronyl Oxalate by Crystallization. <i>Crystal Growth and Design</i> , 2016, 16, 5049-5058.	3.0	3
53	A method for remediation of soil contaminated with simazine. <i>Archives of Environmental Protection</i> , 2016, 42, 41-46.	1.1	8
54	Separation of Stereoisomeric Mixtures of Nafronyl as a Representative of Compounds Possessing Two Stereogenic Centers By Coupling Crystallization, Diastereoisomeric Conversion and Chromatography. <i>Organic Process Research and Development</i> , 2016, 20, 615-625.	2.7	7

#	ARTICLE	IF	CITATIONS
55	Multistage Cross-Current and Countercurrent Flow Crystallization for Separation of Racemic 2-Methylbutanoic Acid. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 15990-15999.	3.7	5
56	A Novel Method for Degradation of DDT in Contaminated Soil. <i>Ozone: Science and Engineering</i> , 2014, 36, 166-173.	2.5	18
57	Method for Reduction of Pesticide Residue Levels in Raspberry and Blackcurrant Based on Utilization of Ozone. <i>Ochrona Srodowiska I Zasobow Naturalnych</i> , 2014, 25, 1-5.	0.3	17
58	Modeling and predictions of solid-liquid equilibria for citalopram oxalate as a representative of a solid solution forming system. <i>Fluid Phase Equilibria</i> , 2013, 346, 8-19.	2.5	4
59	Preliminary Study on the Use of Ozonation for the Degradation of Dithiocarbamate Residues in the Fruit Drying Process: Mancozeb Residue in Blackcurrant is the Example Used. <i>Journal of Plant Protection Research</i> , 2013, 53, 48-52.	1.0	17
60	Potential of ozone utilization for reduction of pesticide residue in food of plant origin. A review. <i>Roczniki Panstwowego Zakladu Higieny</i> , 2013, 64, 13-8.	0.7	6
61	Resolution of a Diastomeric Salt of Citalopram by Multistage Crystallization. <i>Crystal Growth and Design</i> , 2012, 12, 2557-2566.	3.0	18
62	Multi-stage crystallization for resolution of enantiomeric mixtures in a solid solution forming system. <i>Chemical Engineering Science</i> , 2011, 66, 5638-5647.	3.8	18
63	7,8-Dihydro-4H-cyclohepta[b]furan (thiophene) skeleton from furyl (thiophene)-derived tertiary allylic alcohols. <i>Journal of Heterocyclic Chemistry</i> , 2009, 46, 1404-1407.	2.6	1
64	Synthesis of furyl analogues of acyclic monoterpenes. <i>Flavour and Fragrance Journal</i> , 2005, 20, 487-491.	2.6	7