

Wojciech Smulek

List of Publications by Citations

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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.

50
papers

513
citations

12
h-index

19
g-index

59
ext. papers

700
ext. citations

5.1
avg, IF

4.42
L-index

#	Paper	IF	Citations
50	The Impact of Biosurfactants on Microbial Cell Properties Leading to Hydrocarbon Bioavailability Increase. <i>Colloids and Interfaces</i> , 2018 , 2, 35	3	51
49	Exploring the Degradation of Ibuprofen by <i>Bacillus thuringiensis</i> B1(2015b): The New Pathway and Factors Affecting Degradation. <i>Molecules</i> , 2017 , 22,	4.8	38
48	Influence of saponins on the biodegradation of halogenated phenols. <i>Ecotoxicology and Environmental Safety</i> , 2016 , 131, 127-34	7	35
47	Spongins-Based Scaffolds from <i>Hippospongia communis</i> Demosponge as an Effective Support for Lipase Immobilization. <i>Catalysts</i> , 2017 , 7, 147	4	29
46	Sapindus saponins impact on hydrocarbon biodegradation by bacteria strains after short- and long-term contact with pollutant. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 142, 207-213	6	29
45	<i>Rahnella</i> sp. strain EK12: Cell surface properties and diesel oil biodegradation after long-term contact with natural surfactants and diesel oil. <i>Microbiological Research</i> , 2015 , 176, 38-47	5.3	28
44	Bacteria involved in biodegradation of creosote PAH - A case study of long-term contaminated industrial area. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 187, 109843	7	21
43	Removal of Bisphenol A and Its Potential Substitutes by Biodegradation. <i>Applied Biochemistry and Biotechnology</i> , 2020 , 191, 1100-1110	3.2	19
42	<i>Saponaria officinalis</i> L. extract: Surface active properties and impact on environmental bacterial strains. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 150, 209-215	6	16
41	<i>Verbascum nigrum</i> L. (mullein) extract as a natural emulsifier. <i>Food Hydrocolloids</i> , 2018 , 81, 341-350	10.6	16
40	Characterization of St. John's wort (<i>Hypericum perforatum</i> L.) and the impact of filtration process on bioactive extracts incorporated into carbohydrate-based hydrogels. <i>Food Hydrocolloids</i> , 2020 , 104, 105748	10.6	14
39	Alkyl polyglucosides as cell surface modification factors: influence of the alkyl chain length. <i>Toxicological and Environmental Chemistry</i> , 2016 , 98, 13-25	1.4	12
38	Alkyl Xylosides: Physico-Chemical Properties and Influence on Environmental Bacteria Cells. <i>Journal of Surfactants and Detergents</i> , 2017 , 20, 1269-1279	1.9	12
37	Nitrofurantoin-Microbial Degradation and Interactions with Environmental Bacterial Strains. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	12
36	Effect of Glucopon 215 on cell surface properties of <i>Pseudomonas stutzeri</i> and diesel oil biodegradation. <i>International Biodeterioration and Biodegradation</i> , 2015 , 104, 129-135	4.8	12
35	Plant Extracts Containing Saponins Affects the Stability and Biological Activity of Hempseed Oil Emulsion System. <i>Molecules</i> , 2020 , 25,	4.8	11
34	Chitosan biocomposites with enzymatically produced nanocrystalline cellulose. <i>Polymer Composites</i> , 2018 , 39, E448-E456	3	11

33	Hydrocarbons biodegradation by activated sludge bacteria in the presence of natural and synthetic surfactants. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2016 , 51, 1262-1268	2.3	11
32	Aesculus hippocastanum L. extract as a potential emulsion stabilizer. <i>Food Hydrocolloids</i> , 2019 , 97, 105237.6	3.6	11
31	Biological impact of octyl d-glucopyranoside based surfactants. <i>Chemosphere</i> , 2019 , 217, 567-575	8.4	11
30	Biosurfactant from endophytic <i>Bacillus pumilus</i> 2A: physicochemical characterization, production and optimization and potential for plant growth promotion. <i>Microbial Cell Factories</i> , 2021 , 20, 40	6.4	10
29	The ability of <i>Achromobacter</i> sp. KW1 strain to biodegrade isomers of chlorotoluene. <i>Journal of Chemical Technology and Biotechnology</i> , 2017 , 92, 2134-2141	3.5	9
28	Increased biological removal of 1-chloronaphthalene as a result of exposure: A study of bacterial adaptation strategies. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 185, 109707	7	7
27	Wetting properties of <i>Saponaria officinalis</i> saponins. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 584, 123980	5.1	7
26	L. as a Stabilizer in Hemp Seed Oil Nanoemulsions for Potential Biomedical and Food Applications. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	7
25	Bacterial Biodegradation of 4-Monohalogenated Diphenyl Ethers in One-Substrate and Co-Metabolic Systems. <i>Catalysts</i> , 2018 , 8, 472	4	7
24	Diclofenac Degradation-Enzymes, Genetic Background and Cellular Alterations Triggered in Diclofenac-Metabolizing Strain KB4. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
23	Combined Effect of Nitrofurantoin and Plant Surfactant on Bacteria Phospholipid Membrane. <i>Molecules</i> , 2020 , 25,	4.8	5
22	New Biocomposite Electrospun Fiber/Alginate Hydrogel for Probiotic Bacteria Immobilization. <i>Materials</i> , 2021 , 14,	3.5	4
21	Properties and potential application of efficient biosurfactant produced by <i>Pseudomonas</i> sp. KZ1 strain. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2019 , 54, 110-117	2.3	4
20	Langmuir Monolayer Techniques for the Investigation of Model Bacterial Membranes and Antibiotic Biodegradation Mechanisms. <i>Membranes</i> , 2021 , 11,	3.8	4
19	Environmental Aspects of the Use of Extract in Bioremediation Process. <i>Microorganisms</i> , 2019 , 7,	4.9	3
18	Impact of Alkyl Polyglucosides Surfactant Lutensol GD 70 on Modification of Bacterial Cell Surface Properties. <i>Water, Air, and Soil Pollution</i> , 2015 , 226, 45	2.6	3
17	Three chlorotoluene-degrading bacterial strains: Differences in biodegradation potential and cell surface properties. <i>Chemosphere</i> , 2019 , 237, 124452	8.4	3
16	Novel Approach to Tooth Chemistry: Quantification of Human Enamel Apatite in Context for New Biomaterials and Nanomaterials Development. <i>International Journal of Molecular Sciences</i> , 2020 , 22,	6.3	3

15	Modification of the Bacterial Cell Wall & the Bioavailability Important in Creosote Biodegradation?. <i>Processes</i> , 2020 , 8, 147	2.9	3
14	Multidisciplinary Studies of Folk Medicine "Five Thieves ROil" (Olejek Piñiu Złdziej) Components. <i>Molecules</i> , 2021 , 26,	4.8	3
13	Novel Approach to Tooth Chemistry. Quantification of the Dental-Enamel Junction. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
12	Butylbenzene and -Butylbenzene-Sorption on Sand Particles and Biodegradation in the Presence of Plant Natural Surfactants. <i>Toxins</i> , 2018 , 10,	4.9	3
11	Environmental biodegradation of halophenols by activated sludge from two different sewage treatment plants. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2017 , 52, 1240-1246	2.3	2
10	Evaluation of surface active and antimicrobial properties of alkyl D-lyxosides and alkyl L-rhamnosides as green surfactants. <i>Chemosphere</i> , 2021 , 271, 129818	8.4	2
9	Whey Proteins as a Potential Co-Surfactant with L. as a Stabilizer in Nanoemulsions Derived from Hempseed Oil. <i>Molecules</i> , 2021 , 26,	4.8	2
8	Surfactant addition in diesel oil degradation - how can it help the microbes?. <i>Journal of Environmental Health Science & Engineering</i> , 2020 , 18, 677-686	2.9	1
7	Multilevel changes in bacterial properties on long-term exposure to hydrocarbons and impact of these cells on fresh-water communities. <i>Science of the Total Environment</i> , 2020 , 729, 138956	10.2	1
6	Evaluation of the physico-chemical properties of hydrocarbons-exposed bacterial biomass. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 196, 111310	6	1
5	Nitrofurazone Removal from Water Enhanced by Coupling Photocatalysis and Biodegradation. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
4	Sustainable design of lignin-based spherical particles with the use of green surfactants and its application as sorbents in wastewater treatment. <i>Chemical Engineering Research and Design</i> , 2021 , 172, 34-42	5.5	1
3	Significance of the presence of antibiotics on the microbial consortium in wastewater - The case of nitrofurantoin and furazolidone. <i>Bioresource Technology</i> , 2021 , 339, 125577	11	1
2	Application of natural surfactants for improving the leaching of zinc and copper from different soils. <i>Environmental Technology and Innovation</i> , 2021 , 24, 101926	7	1
1	An Effective Production of Bacterial Biosurfactant in the Bioreactor. <i>Lecture Notes on Multidisciplinary Industrial Engineering</i> , 2018 , 409-422	0.3	