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List of Publications by Year in descending order

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31
papers

1,571
citations

489802

18
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488211

31
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32
docs citations

32
times ranked

2029
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Biodegradation of antibiotics: The new resistance determinants – part I. <i>New Biotechnology</i> , 2020, 54, 34-51. | 2.4 | 97 |
| 2 | Biodegradation of antibiotics: The new resistance determinants – part II. <i>New Biotechnology</i> , 2020, 54, 13-27. | 2.4 | 53 |
| 3 | Living with sulfonamides: a diverse range of mechanisms observed in bacteria. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 10389-10408. | 1.7 | 33 |
| 4 | Biodeterioration Affecting Efficiency and Lifetime of Plastic-Based Photovoltaics. <i>Joule</i> , 2020, 4, 2088-2100. | 11.7 | 6 |
| 5 | In-situ recovery of carboxylic acids from fermentation broths through membrane supported reactive extraction using membrane modules with improved stability. <i>Separation and Purification Technology</i> , 2020, 241, 116694. | 3.9 | 49 |
| 6 | Subsistence and complexity of antimicrobial resistance on a community-wide level. <i>Environmental Microbiology</i> , 2020, 22, 2463-2468. | 1.8 | 11 |
| 7 | Biodegradation of mixture of plastic films by tailored marine consortia. <i>Journal of Hazardous Materials</i> , 2019, 375, 33-42. | 6.5 | 91 |
| 8 | Comparative genomics reveals a novel genetic organization of the sad cluster in the sulfonamide-degrader – Candidatus <i>Leucobacter sulfamidivorax</i> ™ strain GP. <i>BMC Genomics</i> , 2019, 20, 885. | 1.2 | 13 |
| 9 | Biotransformation of Sulfonamide Antibiotics in Activated Sludge: The Formation of Pterin-Conjugates Leads to Sustained Risk. <i>Environmental Science & Technology</i> , 2018, 52, 6265-6274. | 4.6 | 101 |
| 10 | Isolation of two <i>Ochrobactrum</i> sp. strains capable of degrading the nootropic drug – Piracetam. <i>New Biotechnology</i> , 2018, 43, 37-43. | 2.4 | 15 |
| 11 | Biodegradation of sulfamethoxazole by a bacterial consortium of <i>Achromobacter denitrificans</i> PR1 and <i>Leucobacter</i> sp. GP. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 10299-10314. | 1.7 | 36 |
| 12 | Towards an affordable enzymatic production of biopolyols – Comparing the immobilization of lipases by two optimized techniques. <i>International Journal of Biological Macromolecules</i> , 2018, 116, 1049-1055. | 3.6 | 1 |
| 13 | The crystal structures of native hydroquinone 1,2-dioxygenase from <i>Sphingomonas</i> sp. TTNP3 and of substrate and inhibitor complexes. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 520-530. | 1.1 | 4 |
| 14 | Complete Genome Sequence of <i>Achromobacter denitrificans</i> PR1. <i>Genome Announcements</i> , 2017, 5, . | 0.8 | 12 |
| 15 | FMN ₂ -dependent monooxygenases initiate catabolism of sulfonamides in <i>Microbacterium</i> sp. strain BR1 subsisting on sulfonamide antibiotics. <i>Scientific Reports</i> , 2017, 7, 15783. | 1.6 | 66 |
| 16 | Mineralisation of ¹⁴ C-labelled polystyrene plastics by <i>Penicillium variabile</i> after ozonation pre-treatment. <i>New Biotechnology</i> , 2017, 38, 101-105. | 2.4 | 81 |
| 17 | Biodegradation of weathered polystyrene films in seawater microcosms. <i>Scientific Reports</i> , 2017, 7, 17991. | 1.6 | 121 |
| 18 | Development of tailored indigenous marine consortia for the degradation of naturally weathered polyethylene films. <i>PLoS ONE</i> , 2017, 12, e0183984. | 1.1 | 82 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Arsenic Mobilization from Historically Contaminated Mining Soils in a Continuously Operated Bioreactor: Implications for Risk Assessment. <i>Environmental Science & Technology</i> , 2016, 50, 9124-9132. | 4.6 | 10 |
| 20 | Ipso-substitution " the hidden gate to xenobiotic degradation pathways. <i>Current Opinion in Biotechnology</i> , 2015, 33, 220-227. | 3.3 | 9 |
| 21 | Fate of Tetrabromobisphenol A (TBBPA) and Formation of Ester- and Ether-Linked Bound Residues in an Oxidic Sandy Soil. <i>Environmental Science & Technology</i> , 2015, 49, 12758-12765. | 4.6 | 77 |
| 22 | Biodegradation of sulfamethoxazole and other sulfonamides by <i>Achromobacter denitrificans</i> PR1. <i>Journal of Hazardous Materials</i> , 2014, 280, 741-749. | 6.5 | 168 |
| 23 | Emerging chemicals and the evolution of biodegradation capacities and pathways in bacteria. <i>Current Opinion in Biotechnology</i> , 2014, 27, 8-14. | 3.3 | 82 |
| 24 | Exploring the potential of applying proteomics for tracking bisphenol A and nonylphenol degradation in activated sludge. <i>Chemosphere</i> , 2013, 90, 2309-2314. | 4.2 | 15 |
| 25 | ipso-Hydroxylation and Subsequent Fragmentation: a Novel Microbial Strategy To Eliminate Sulfonamide Antibiotics. <i>Applied and Environmental Microbiology</i> , 2013, 79, 5550-5558. | 1.4 | 105 |
| 26 | Isolation of Bacterial Strains Capable of Sulfamethoxazole Mineralization from an Acclimated Membrane Bioreactor. <i>Applied and Environmental Microbiology</i> , 2012, 78, 277-279. | 1.4 | 100 |
| 27 | Formation of Toxic 2-Nonyl- <i>p</i> -Benzoquinones from \pm -Tertiary 4-Nonylphenol Isomers during Microbial Metabolism of Technical Nonylphenol. <i>Environmental Science & Technology</i> , 2012, 46, 5979-5987. | 4.6 | 13 |
| 28 | Crystallization and preliminary X-ray crystallographic analysis of hydroquinone dioxygenase from <i>Sphingomonas</i> sp. TTNP3. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012, 68, 588-590. | 0.7 | 3 |
| 29 | An unexpected gene cluster for downstream degradation of alkylphenols in <i>Sphingomonas</i> sp. strain TTNP3. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 1315-1324. | 1.7 | 10 |
| 30 | Purification and characterization of hydroquinone dioxygenase from <i>Sphingomonas</i> sp. strain TTNP3. <i>AMB Express</i> , 2011, 1, 8. | 1.4 | 27 |
| 31 | Shedding Light on Selenium Biomineralization: Proteins Associated with Bionanominerals. <i>Applied and Environmental Microbiology</i> , 2011, 77, 4676-4680. | 1.4 | 80 |