

Roberto Marano

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.

30
papers

2,742
citations

20
h-index

31
g-index

31
ext. papers

3,534
ext. citations

8.7
avg, IF

5.29
L-index

#	Paper	IF	Citations
30	Tackling antibiotic resistance: the environmental framework. <i>Nature Reviews Microbiology</i> , 2015 , 13, 310-7	22.2	1092
29	The potential implications of reclaimed wastewater reuse for irrigation on the agricultural environment: The knowns and unknowns of the fate of antibiotics and antibiotic resistant bacterial and resistance genes - A review. <i>Water Research</i> , 2017 , 123, 448-467	12.5	251
28	Antibiotic resistance in wastewater treatment plants: Tackling the black box. <i>Environment International</i> , 2018 , 115, 312-324	12.9	220
27	Impact of treated wastewater irrigation on antibiotic resistance in agricultural soils. <i>Environmental Science & Technology</i> , 2012 , 46, 4800-8	10.3	210
26	Antibiotic resistance genes in treated wastewater and in the receiving water bodies: A pan-European survey of urban settings. <i>Water Research</i> , 2019 , 162, 320-330	12.5	117
25	Impact of treated wastewater irrigation on antibiotic resistance in the soil microbiome. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 3529-38	5.1	104
24	The soil resistome: The anthropogenic, the native, and the unknown. <i>Soil Biology and Biochemistry</i> , 2013 , 63, 18-23	7.5	101
23	Linking the Belowground Microbial Composition, Diversity and Activity to Soilborne Disease Suppression and Growth Promotion of Tomato Amended with Biochar. <i>Scientific Reports</i> , 2017 , 7, 44382	4.9	89
22	Effect of Dust Storms on the Atmospheric Microbiome in the Eastern Mediterranean. <i>Environmental Science & Technology</i> , 2016 , 50, 4194-202	10.3	70
21	Origin-Dependent Variations in the Atmospheric Microbiome Community in Eastern Mediterranean Dust Storms. <i>Environmental Science & Technology</i> , 2017 , 51, 6709-6718	10.3	68
20	High Throughput Analysis of Integron Gene Cassettes in Wastewater Environments. <i>Environmental Science & Technology</i> , 2016 , 50, 11825-11836	10.3	59
19	Culture-based Methods for Detection of Antibiotic Resistance in Agroecosystems: Advantages, Challenges, and Gaps in Knowledge. <i>Journal of Environmental Quality</i> , 2016 , 45, 432-40	3.4	55
18	Antibiotic resistance and class 1 integron gene dynamics along effluent, reclaimed wastewater irrigated soil, crop continua: elucidating potential risks and ecological constraints. <i>Water Research</i> , 2019 , 164, 114906	12.5	34
17	Characterization of fluoroquinolone resistance and qnr diversity in Enterobacteriaceae from municipal biosolids. <i>Frontiers in Microbiology</i> , 2013 , 4, 144	5.7	33
16	Changes in Antibiotic Resistance Gene Levels in Soil after Irrigation with Treated Wastewater: A Comparison between Heterogeneous Photocatalysis and Chlorination. <i>Environmental Science & Technology</i> , 2020 , 54, 7677-7686	10.3	29
15	Activating biochar by manipulating the bacterial and fungal microbiome through pre-conditioning. <i>New Phytologist</i> , 2018 , 219, 363-377	9.8	29
14	Inter-laboratory calibration of quantitative analyses of antibiotic resistance genes. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 102214	6.8	29

13	Platforms for elucidating antibiotic resistance in single genomes and complex metagenomes. <i>Environment International</i> , 2020 , 138, 105667	12.9	26
12	Impact of anthropogenic activities on the dissemination of antibiotic resistance across ecological boundaries. <i>Essays in Biochemistry</i> , 2017 , 61, 11-21	7.6	26
11	Viral and Microbial Pathogens, Indicator Microorganisms, Microbial Source Tracking Indicators, and Antibiotic Resistance Genes in a Confined Managed Effluent Recharge System. <i>Journal of Environmental Engineering, ASCE</i> , 2018 , 144, 05017011	2	20
10	Genomic and Functional Characterization of qnr-Encoding Plasmids from Municipal Wastewater Biosolid <i>Klebsiella pneumoniae</i> Isolates. <i>Frontiers in Microbiology</i> , 2015 , 6, 1354	5.7	19
9	A global multinational survey of cefotaxime-resistant coliforms in urban wastewater treatment plants. <i>Environment International</i> , 2020 , 144, 106035	12.9	17
8	Resistance of Undisturbed Soil Microbiomes to Ceftriaxone Indicates Extended Spectrum β -Lactamase Activity. <i>Frontiers in Microbiology</i> , 2015 , 6, 1233	5.7	13
7	The Mobile Resistome in Wastewater Treatment Facilities and Downstream Environments 2017 , 129-155		7
6	Hidden Resistome: Enrichment Reveals the Presence of Clinically Relevant Antibiotic Resistance Determinants in Treated Wastewater-Irrigated Soils. <i>Environmental Science & Technology</i> , 2021 , 55, 6814-6827	10.3	7
5	Enhanced Bacterial Fitness Under Residual Fluoroquinolone Concentrations Is Associated With Increased Gene Expression in Wastewater-Derived Plasmid-Harboring Strains. <i>Frontiers in Microbiology</i> , 2018 , 9, 1176	5.7	5
4	Phylogenetic diversity of ceftriaxone resistance and the presence of extended-spectrum β -Lactamase genes in the culturable soil resistome. <i>Journal of Global Antimicrobial Resistance</i> , 2016 , 6, 128-135	3.4	3
3	Bridge-Induced Translocation between and Yeast Genes Models the Genetic Fusion between the Human Orthologs Associated With Acute Myeloid Leukemia. <i>Frontiers in Oncology</i> , 2017 , 7, 231	5.3	3
2	Effects of subinhibitory quinolone concentrations on functionality, microbial community composition, and abundance of antibiotic resistant bacteria and qnrS in activated sludge. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104783	6.8	3
1	Spatial and temporal dynamics of microbiomes and resistomes in broiler litter stockpiles.. <i>Computational and Structural Biotechnology Journal</i> , 2021 , 19, 6201-6211	6.8	0