Roberto Marano

List of Publications by Year
in descending order

30 papers	4,165 citations	304602 22 h-index	454834 30 g-index
31 all docs	31 docs citations	31 times ranked	5277 citing authors

#	Article	IF	Citations
1	Tackling antibiotic resistance: the environmental framework. Nature Reviews Microbiology, 2015, 13, 310-317.	13.6	1,612
2	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 bacteriaÂand resistance genes â€“ A review. Water Research, 2017, 123, 448-467.	5.3	400
3	Antibiotic resistance in wastewater treatment plants: Tackling the black box. Environment International, 2018, 115, 312-324.	4.8	341
4	Impact of Treated Wastewater Irrigation on Antibiotic Resistance in Agricultural Soils. Environmental Science & Technology, 2012, 46, 4800-4808.	4.6	237
5	Antibiotic resistance genes in treated wastewater and in the receiving water bodies: A pan-European survey of urban settings. Water Research, 2019, 162, 320-330.	5.3	231
6	Linking the Belowground Microbial Composition, Diversity and Activity to Soilborne Disease Suppression and Growth Promotion of Tomato Amended with Biochar. Scientific Reports, 2017, 7, 44382.	1.6	167
7	The soil resistome: The anthropogenic, the native, and the unknown. Soil Biology and Biochemistry, 2013, 63, 18-23.	4.2	153
8	Impact of treated wastewater irrigation on antibiotic resistance in the soil microbiome. Environmental Science and Pollution Research, 2013, 20, 3529-3538.	2.7	134
9	Origin-Dependent Variations in the Atmospheric Microbiome Community in Eastern Mediterranean Dust Storms. Environmental Science & Technology, 2017, 51, 6709-6718.	4.6	101
10	Effect of Dust Storms on the Atmospheric Microbiome in the Eastern Mediterranean. Environmental Science & Technology, 2016, 50, 4194-4202.	4.6	90
11	Culture-based Methods for Detection of Antibiotic Resistance in Agroecosystems: Advantages, Challenges, and Gaps in Knowledge. Journal of Environmental Quality, 2016, 45, 432-440.	1.0	89
12	High Throughput Analysis of Integron Gene Cassettes in Wastewater Environments. Environmental Science & Technology, 2016, 50, 11825-11836.	4.6	68
13	A global multinational survey of cefotaxime-resistant coliforms in urban wastewater treatment plants. Environment International, 2020, 144, 106035.	4.8	55
14	Changes in Antibiotic Resistance Gene Levels in Soil after Irrigation with Treated Wastewater: A Comparison between Heterogeneous Photocatalysis and Chlorination. Environmental Science & Technology, 2020, 54, 7677-7686.	4.6	54
15	Antibiotic resistance and class 1 integron gene dynamics along effluent, reclaimed wastewater irrigated soil, crop continua: elucidating potential risks and ecological constraints. Water Research, 2019, 164, 114906.	5.3	51
16	Impact of anthropogenic activities on the dissemination of antibiotic resistance across ecological boundaries. Essays in Biochemistry, 2017, 61, 11-21.	2.1	50
17	Platforms for elucidating antibiotic resistance in single genomes and complex metagenomes. Environment International, 2020, 138, 105667.	4.8	48
18	Activating biochar by manipulating the bacterial and fungal microbiome through preâ€conditioning. New Phytologist, 2018, 219, 363-377.	3.5	45

#	Article	IF	Citations
19	Inter-laboratory calibration of quantitative analyses of antibiotic resistance genes. Journal of Environmental Chemical Engineering, 2020, 8, 102214.	3.3	45
20	Characterization of fluoroquinolone resistance and qnr diversity in Enterobacteriaceae from municipal biosolids. Frontiers in Microbiology, 2013, 4, 144.	1.5	41
21	Hidden Resistome: Enrichment Reveals the Presence of Clinically Relevant Antibiotic Resistance Determinants in Treated Wastewater-Irrigated Soils. Environmental Science & Technology, 2021, 55, 6814-6827.	4.6	31
22	Genomic and Functional Characterization of qnr-Encoding Plasmids from Municipal Wastewater Biosolid Klebsiella pneumoniae Isolates. Frontiers in Microbiology, 2015, 6, 1354.	1.5	29
23	Viral and Microbial Pathogens, Indicator Microorganisms, Microbial Source Tracking Indicators, and Antibiotic Resistance Genes in a Confined Managed Effluent Recharge System. Journal of Environmental Engineering, ASCE, 2018, 144, .	0.7	24
24	Resistance of Undisturbed Soil Microbiomes to Ceftriaxone Indicates Extended Spectrum Î²-Lactamase Activity. Frontiers in Microbiology, 2015, 6, 1233.	1.5	14
25	Effects of subinhibitory quinolone concentrations on functionality, microbial community composition, and abundance of antibiotic resistant bacteria and qnrS in activated sludge. Journal of Environmental Chemical Engineering, 2021, 9, 104783.	3.3	14
26	Challenges related to antimicrobial resistance in the framework of urban wastewater reuse. Water Research, 2020, 170, 115308.	5.3	9
27	Enhanced Bacterial Fitness Under Residual Fluoroquinolone Concentrations Is Associated With Increased Gene Expression in Wastewater-Derived qnr Plasmid-Harboring Strains. Frontiers in Microbiology, 2018, 9, 1176.	1.5	8
28	Phylogenetic diversity of ceftriaxone resistance and the presence of extended-spectrum Î²-lactamase genes in the culturable soil resistome. Journal of Global Antimicrobial Resistance, 2016, 6, 128-135.	0.9	5
29	Spatial and temporal dynamics of microbiomes and resistomes in broiler litter stockpiles. Computational and Structural Biotechnology Journal, 2021, 19, 6201-6211.	1.9	5
30	Bridge-Induced Translocation between NUP145 and TOP2 Yeast Genes Models the Genetic Fusion between the Human Orthologs Associated With Acute Myeloid Leukemia. Frontiers in Oncology, 2017, 7, 231.	1.3	3