Nikolina Udikovic-Kolic

List of Publications by Year
in descending order

32 papers	2,599 citations	331259 21 h-index	433756 31 g-index
32 all docs	32 docs citations	32 times ranked	2896 citing authors

#	Article	IF	Citations
1	Prevalence of enteric opportunistic pathogens and extended-spectrum cephalosporin- and carbapenem-resistant coliforms and genes in wastewater from municipal wastewater treatment plants in Croatia. Journal of Hazardous Materials, 2022, 427, 128155.	6.5	14
2	Pharmaceutical pollution of the worldâ€™s rivers. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	495
3	Farmers observations on the impact of excessive rain and flooding on agricultural land in Croatia. Journal of Central European Agriculture, 2022, 23, 125-137.	0.3	3
4	Editorial: Natural Microbial Communities and Their Response to Antibiotic Occurrence in Ecosystems. Frontiers in Microbiology, 2022, 13, .	1.5	0
5	Bioashes and their potential for reuse to sustain ecosystem services and underpin circular economy. Renewable and Sustainable Energy Reviews, 2021, 151, 111540.	8.2	8
6	Effects of industrial effluents containing moderate levels of antibiotic mixtures on the abundance of antibiotic resistance genes and bacterial community composition in exposed creek sediments. Science of the Total Environment, 2020, 706, 136001.	3.9	24
7	A global multinational survey of cefotaxime-resistant coliforms in urban wastewater treatment plants. Environment International, 2020, 144, 106035.	4.8	55
8	Characterization of macrolide resistance in bacteria isolated from macrolide-polluted and unpolluted river sediments and clinical sources in Croatia. Science of the Total Environment, 2020, 749, 142357.	3.9	10
9	Every fifth published metagenome is not available to science. PLoS Biology, 2020, 18, e3000698.	2.6	18
10	Antibiotic Resistance in Pharmaceutical Industry Effluents and Effluent-Impacted Environments. Handbook of Environmental Chemistry, 2019, , 101-122.	0.2	6
11	Antibiotic-manufacturing sites are hot-spots for the release and spread of antibiotic resistance genes and mobile genetic elements in receiving aquatic environments. Environment International, 2019, 130, 104735.	4.8	63
12	Industrial wastewater treatment plant enriches antibiotic resistance genes and alters the structure of microbial communities. Water Research, 2019, 162, 437-445.	5.3	95
13	Pollution from azithromycin-manufacturing promotes macrolide-resistance gene propagation and induces spatial and seasonal bacterial community shifts in receiving river sediments. Environment International, 2019, 123, 501-511.	4.8	74
14	Biotransformation of macrolide antibiotics using enriched activated sludge culture: Kinetics, transformation routes and ecotoxicological evaluation. Journal of Hazardous Materials, 2018, 349, 143-152.	6.5	70
15	Negative environmental impacts of antibiotic-contaminated effluents from pharmaceutical industries. Water Research, 2017, 126, 79-87.	5.3	240
16	Functional Repertoire of Antibiotic Resistance Genes in Antibiotic Manufacturing Effluents and Receiving Freshwater Sediments. Frontiers in Microbiology, 2017, 8, 2675.	1.5	40
17	Nicosulfuron application in agricultural soils drives the selection towards NS-tolerant microorganisms harboring various levels of sensitivity to nicosulfuron. Environmental Science and Pollution Research, 2016, 23, 4320-4333.	2.7	22
18	Distribution of terbuthylazine and atrazine residues in crop-cultivated soil: The effect of herbicide application rate on herbicide persistence. Geoderma, 2015, 259-260, 300-309.	2.3	35

#	Article	IF	Citations
19	Diverse Antibiotic Resistance Genes in Dairy Cow Manure. MBio, 2014, 5, e01017.	1.8	258
20	Bloom of resident antibiotic-resistant bacteria in soil following manure fertilization. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15202-15207.	3.3	496
21	Catabolism of terbuthylazine by mixed bacterial culture originating from s-triazine-contaminated soil. Applied Microbiology and Biotechnology, 2014, 98, 7223-7232.	1.7	10
22	Effects of nicosulfuron on the abundance and diversity of arbuscular mycorrhizal fungi used as indicators of pesticide soil microbial toxicity. Ecological Indicators, 2014, 39, 44-53.	2.6	55
23	A tiered assessment approach based on standardized methods to estimate the impact of nicosulfuron on the abundance and function of the soil microbial community. Soil Biology and Biochemistry, 2014, 75, 282-291.	4.2	56
24	Evolution of atrazine-degrading capabilities in the environment. Applied Microbiology and Biotechnology, 2012, 96, 1175-1189.	1.7	126
25	Evidence for shifts in the structure and abundance of the microbial community in a long-term PCB-contaminated soil under bioremediation. Journal of Hazardous Materials, 2011, 195, 254-260.	6.5	57
26	Evidence for taxonomic and functional drift of an atrazine-degrading culture in response to high atrazine input. Applied Microbiology and Biotechnology, 2011, 90, 1547-1554.	1.7	27
27	Insight in the PCB-degrading functional community in long-term contaminated soil under bioremediation. Journal of Soils and Sediments, 2011, 11, 290-300.	1.5	33
28	Taxonomic and functional diversity of atrazineâ€degrading bacterial communities enriched from agrochemical factory soil. Journal of Applied Microbiology, 2010, 109, 355-367.	1.4	32
29	Genetic potential, diversity and activity of an atrazine-degrading community enriched from a herbicide factory effluent. Journal of Applied Microbiology, 2008, 105, 1334-1343.	1.4	21
30	PCB-degrading potential of aerobic bacteria enriched from marine sediments. International Biodeterioration and Biodegradation, 2007, 60, 16-24.	1.9	19
31	Combined metabolic activity within an atrazine-mineralizing community enriched from agrochemical factory soil. International Biodeterioration and Biodegradation, 2007, 60, 299-307.	1.9	42
32	Detection and organization of atrazine-degrading genetic potential of seventeen bacterial isolates belonging to divergent taxa indicate a recent common origin of their catabolic functions. FEMS Microbiology Letters, 2007, 273, 78-86.	0.7	95