

Edgar Vzquez Nez

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.

23

papers

282

citations

10

h-index

16

g-index

26

ext. papers

343

ext. citations

4

avg, IF

3.87

L-index

#	Paper	IF	Citations
23	Physiological and biochemical response of plants to engineered NMs: Implications on future design. <i>Plant Physiology and Biochemistry</i> , 2017 , 110, 226-235	5.4	57
22	Use of Nanotechnology for the Bioremediation of Contaminants: A Review. <i>Processes</i> , 2020 , 8, 826	2.9	39
21	Remediating Polluted Soils Using Nanotechnologies: Environmental Benefits and Risks. <i>Polish Journal of Environmental Studies</i> , 2019 , 28, 1013-1030	2.3	34
20	Environmental behavior of coated NMs: Physicochemical aspects and plant interactions. <i>Journal of Hazardous Materials</i> , 2018 , 347, 196-217	12.8	28
19	Modifications of bacterial populations in anthracene contaminated soil. <i>Applied Soil Ecology</i> , 2012 , 61, 113-126	5	17
18	Environmental behavior of engineered nanomaterials in terrestrial ecosystems: Uptake, transformation and trophic transfer. <i>Current Opinion in Environmental Science and Health</i> , 2018 , 6, 42-46	8.1	15
17	Coupling Plant Biomass Derived from Phytoremediation of Potential Toxic-Metal-Polluted Soils to Bioenergy Production and High-Value by-Products: A Review. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2982	2.6	15
16	Energy potential of agricultural residues generated in Mexico and their use for butanol and electricity production under a biorefinery configuration. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 28607-28622	5.1	13
15	A Review on Genetically Modified Plants Designed to Phytoremediate Polluted Soils: Biochemical Responses and International Regulation. <i>Pedosphere</i> , 2018 , 28, 697-712	5	11
14	Interactions of nanomaterials and plants at the cellular level: current knowledge and relevant gaps. <i>Nanotechnology for Environmental Engineering</i> , 2021 , 6, 1	5.1	11
13	The bacterial community structure in an alkaline saline soil spiked with anthracene. <i>Electronic Journal of Biotechnology</i> , 2013 , 16,	3.1	6
12	Impact of moisture dynamic and sun light on anthracene removal from soil. <i>Biodegradation</i> , 2009 , 20, 191-8	4.1	6
11	Green composites and their contribution toward sustainability: A review. <i>Polymers and Polymer Composites</i> , 096739112110093	0.8	6
10	Effects of Nanoparticles on Germination, Growth, and Plant Crop Development 2018 , 77-110		6
9	Use of Agronanobiotechnology in the Agro-Food Industry to Preserve Environmental Health and Improve the Welfare of Farmers 2018 , 3-16		4
8	A biorefinery based on the biomechanical configuration of the digestive system of a ruminant for ABE production: a consolidated bioprocessing approach. <i>Biomass Conversion and Biorefinery</i> , 2020 , 11, 2079	2.3	3
7	Using acetone as solvent to study removal of anthracene in soil inhibits microbial activity and alters nitrogen dynamics. <i>Archives of Environmental Contamination and Toxicology</i> , 2009 , 57, 239-46	3.2	3

6	Incorporation of Nanoparticles into Plant Nutrients: The Real Benefits 2018 , 49-76	3
5	Synthesis and production of engineered nanomaterials for laboratory and industrial use 2019 , 3-30	2
4	Effects of Nanoparticles on Plants, Earthworms, and Microorganisms 2018 , 161-181	2
3	Kinetic Parameter Determination for Depolymerization of Biomass by Inverse Modeling and Metaheuristics. <i>Processes</i> , 2020 , 8, 836	2.9 0
2	The Chemistry behind Nanotoxicological Processes in Living Systems. <i>Nanotechnology in the Life Sciences</i> , 2021 , 409-430	1.1
1	Agronanobiotechnologies to Improve the Water Quality in Irrigation Systems 2018 , 141-157	