Edgar Vzquez Nez

List of Publications by Year in Descending Order

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	Coupling Plant Biomass Derived from Phytoremediation of Potential Toxic-Metal-Polluted Soils to Bioenergy Production and High-Value by-Products—A Review. *Applied Sciences (Switzerland)*, **2021**, 11, 2982	2.6	15
22	The Chemistry behind Nanotoxicological Processes in Living Systems. *Nanotechnology in the Life Sciences*, **2021**, 409-430	1.1	
21	Interactions of nanomaterials and plants at the cellular level: current knowledge and relevant gaps. *Nanotechnology for Environmental Engineering*, **2021**, 6, 1	5.1	11
20	A biorefinery based on the biomechanical configuration of the digestive system of a ruminant for ABE production: a consolidated bioprocessing approach. *Biomass Conversion and Biorefinery*, **2020**, 11, 2079	2.3	3
19	Energy potential of agricultural residues generated in Mexico and their use for butanol and electricity production under a biorefinery configuration. *Environmental Science and Pollution Research*, **2020**, 27, 28607-28622	5.1	13
18	Use of Nanotechnology for the Bioremediation of Contaminants: A Review. *Processes*, **2020**, 8, 826	2.9	39
17	Kinetic Parameter Determination for Depolymerization of Biomass by Inverse Modeling and Metaheuristics. *Processes*, **2020**, 8, 836	2.9	0
16	Synthesis and production of engineered nanomaterials for laboratory and industrial use **2019**, 3-30		2
15	Remediating Polluted Soils Using Nanotechnologies: Environmental Benefits and Risks. *Polish Journal of Environmental Studies*, **2019**, 28, 1013-1030	2.3	34
14	Environmental behavior of coated NMs: Physicochemical aspects and plant interactions. *Journal of Hazardous Materials*, **2018**, 347, 196-217	12.8	28
13	Environmental behavior of engineered nanomaterials in terrestrial ecosystems: Uptake, transformation and trophic transfer. *Current Opinion in Environmental Science and Health*, **2018**, 6, 42-46	8.1	15
12	A Review on Genetically Modified Plants Designed to Phytoremediate Polluted Soils: Biochemical Responses and International Regulation. *Pedosphere*, **2018**, 28, 697-712	5	11
11	Incorporation of Nanoparticles into Plant Nutrients: The Real Benefits **2018**, 49-76		3
10	Agronanobiotechnologies to Improve the Water Quality in Irrigation Systems **2018**, 141-157		
9	Use of Agronanobiotechnology in the Agro-Food Industry to Preserve Environmental Health and Improve the Welfare of Farmers **2018**, 3-16		4
8	Effects of Nanoparticles on Germination, Growth, and Plant Crop Development **2018**, 77-110		6
7	Effects of Nanoparticles on Plants, Earthworms, and Microorganisms **2018**, 161-181		2

6	Physiological and biochemical response of plants to engineered NMs: Implications on future design. *Plant Physiology and Biochemistry*, **2017**, 110, 226-235	5.4	57
5	The bacterial community structure in an alkaline saline soil spiked with anthracene. *Electronic Journal of Biotechnology*, **2013**, 16,	3.1	6
4	Modifications of bacterial populations in anthracene contaminated soil. *Applied Soil Ecology*, **2012**, 61, 113-126	5	17
3	Impact of moisture dynamic and sun light on anthracene removal from soil. *Biodegradation*, **2009**, 20, 191-8	4.1	6
2	Using acetone as solvent to study removal of anthracene in soil inhibits microbial activity and alters nitrogen dynamics. *Archives of Environmental Contamination and Toxicology*, **2009**, 57, 239-46	3.2	3
1	Green composites and their contribution toward sustainability: A review. *Polymers and Polymer Composites*,096739112110093	0.8	6