

# Anca G Delgado

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

588  
citations

516215

16  
h-index

610482

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

604  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and characterization of DehaloR <sup>2</sup> , a novel anaerobic microbial consortium performing rapid dechlorination of TCE to ethene. Applied Microbiology and Biotechnology, 2011, 92, 1063-1071.	1.7	50
2	Role of bicarbonate as a pH buffer and electron sink in microbial dechlorination of chloroethenes. Microbial Cell Factories, 2012, 11, 128.	1.9	44
3	The effects of CO <sub>2</sub> and H <sub>2</sub> on CO metabolism by pure and mixed microbial cultures. Biotechnology for Biofuels, 2017, 10, 220.	6.2	40
4	Interpreting Interactions between Ozone and Residual Petroleum Hydrocarbons in Soil. Environmental Science & Technology, 2017, 51, 506-513.	4.6	38
5	Use of microbially desulfurized rubber to produce sustainable rubberized bitumen. Resources, Conservation and Recycling, 2021, 164, 105144.	5.3	37
6	The occurrence and ecology of microbial chain elongation of carboxylates in soils. ISME Journal, 2021, 15, 1907-1918.	4.4	33
7	Selective Enrichment Yields Robust Ethene-Producing Dechlorinating Cultures from Microcosms Stalled at cis-Dichloroethene. PLoS ONE, 2014, 9, e100654.	1.1	33
8	Ozone enhances biodegradability of heavy hydrocarbons in soil. Journal of Environmental Engineering and Science, 2016, 11, 7-17.	0.3	32
9	Evolution of microbial communities growing with carbon monoxide, hydrogen, and carbon dioxide. FEMS Microbiology Ecology, 2017, 93, .	1.3	31
10	Microbial Chain Elongation and Subsequent Fermentation of Elongated Carboxylates as H <sub>2</sub> -Producing Processes for Sustained Reductive Dechlorination of Chlorinated Ethenes. Environmental Science & Technology, 2021, 55, 10398-10410.	4.6	30
11	Successful operation of continuous reactors at short retention times results in high-density, fast-rate Dehalococcoides dechlorinating cultures. Applied Microbiology and Biotechnology, 2014, 98, 2729-2737.	1.7	28
12	Archaea and Bacteria Acclimate to High Total Ammonia in a Methanogenic Reactor Treating Swine Waste. Archaea, 2016, 2016, 1-10.	2.3	26
13	Treatment of Heavy, Long-Chain Petroleum-Hydrocarbon Impacted Soils Using Chemical Oxidation. Journal of Environmental Engineering, ASCE, 2016, 142, .	0.7	24
14	Synergistic Zerovalent Iron (Fe <sup>0</sup> ) and Microbiological Trichloroethene and Perchlorate Reductions Are Determined by the Concentration and Speciation of Fe. Environmental Science & Technology, 2020, 54, 14422-14431.	4.6	23
15	Carbonaceous nano-additives augment microwave-enabled thermal remediation of soils containing petroleum hydrocarbons. Environmental Science: Nano, 2016, 3, 997-1002.	2.2	21
16	Coupling Biofloculation of <i>Dehalococcoides mccartyi</i> to High-Rate Reductive Dehalogenation of Chlorinated Ethenes. Environmental Science & Technology, 2017, 51, 11297-11307.	4.6	18
17	Biodegradation of petroleum hydrocarbons in a weathered, unsaturated soil is inhibited by peroxide oxidants. Journal of Hazardous Materials, 2022, 433, 128770.	6.5	15
18	Impact of Ammonium on Syntrophic Organohalide-Respiring and Fermenting Microbial Communities. MSphere, 2016, 1, .	1.3	14

#	ARTICLE	IF	CITATIONS
19	Impacts of moisture content during ozonation of soils containing residual petroleum. Journal of Hazardous Materials, 2018, 344, 1101-1108.	6.5	12
20	Multicycle Ozonation+Bioremediation for Soils Containing Residual Petroleum. Environmental Engineering Science, 2019, 36, 1443-1451.	0.8	10
21	Optical fiber-mediated photosynthesis for enhanced subsurface oxygen delivery. Chemosphere, 2018, 195, 742-748.	4.2	8
22	Continuous-mode acclimation and operation of lignocellulosic sulfate-reducing bioreactors for enhanced metal immobilization from acidic mining-influenced water. Journal of Hazardous Materials, 2022, 425, 128054.	6.5	7
23	An Ion Chromatography Method for Simultaneous Quantification of Chromate, Arsenate, Selenate, Perchlorate, and Other Inorganic Anions in Environmental Media. Environmental Engineering Science, 2021, 38, 626-634.	0.8	6
24	Organic carbon metabolism is a main determinant of hydrogen demand and dynamics in anaerobic soils. Chemosphere, 2022, 303, 134877.	4.2	3