

# Irene de Bustamante

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

1,077  
citations

566801

15  
h-index

395343

33  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1739  
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging organic contaminants in surface water and groundwater: A first overview of the situation in Italy. <i>Science of the Total Environment</i> , 2014, 481, 280-295.	3.9	330
2	Sorption/desorption of non-hydrophobic and ionisable pharmaceutical and personal care products from reclaimed water onto/from a natural sediment. <i>Science of the Total Environment</i> , 2014, 472, 273-281.	3.9	117
3	The role of sorption and biodegradation in the removal of acetaminophen, carbamazepine, caffeine, naproxen and sulfamethoxazole during soil contact: A kinetics study. <i>Science of the Total Environment</i> , 2016, 559, 232-241.	3.9	100
4	Pilot survey of chemical contaminants from industrial and human activities in river waters of Spain. <i>International Journal of Environmental Analytical Chemistry</i> , 2010, 90, 321-343.	1.8	60
5	Pharmaceuticals and trace metals in the surface water used for crop irrigation: Risk to health or natural attenuation?. <i>Science of the Total Environment</i> , 2020, 705, 135825.	3.9	51
6	Climatic changes since the Late-glacial/Holocene transition in La Mancha Plain (South-central Iberian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2002, 93-94, 73-84.	0.7	42
7	Characterization of environmental impact on resources, using strategic assessment of environmental impact and management of natural spaces of "Las Batuecas-Sierra de Francia" and "Quilamas" (Salamanca, Spain). <i>Environmental Earth Sciences</i> , 2014, 71, 39-51.	1.3	30
8	Short-term effects of reclaimed water irrigation: <i>Jatropha curcas</i> L. cultivation. <i>Ecological Engineering</i> , 2013, 50, 44-51.	1.6	29
9	Treating municipal wastewater through a vegetation filter with a short-rotation poplar species. <i>Ecological Engineering</i> , 2014, 73, 560-568.	1.6	26
10	Removal of emerging organic contaminants in a poplar vegetation filter. <i>Journal of Hazardous Materials</i> , 2018, 342, 482-491.	6.5	26
11	Environmental risk of combined emerging pollutants in terrestrial environments: chlorophyll a fluorescence analysis. <i>Environmental Science and Pollution Research</i> , 2015, 22, 6920-6931.	2.7	22
12	Clinoptilolite and palygorskite as sorbents of neutral emerging organic contaminants in treated wastewater: Sorption-desorption studies. <i>Chemosphere</i> , 2017, 175, 534-542.	4.2	21
13	3D Virtual Itinerary in the Geological Heritage from Natural Areas in Salamanca-Ávila-Cáceres, Spain. <i>Sustainability</i> , 2019, 11, 144.	1.6	21
14	Response of microcrustacean communities from the surface-groundwater interface to water contamination in urban river system of the Jarama basin (central Spain). <i>Environmental Science and Pollution Research</i> , 2013, 20, 5813-5826.	2.7	19
15	Pharmaceutical and transformation products during unplanned water reuse: Insights into natural attenuation, plant uptake and human health impact under field conditions. <i>Environment International</i> , 2021, 157, 106835.	4.8	19
16	Estimation of sunshine duration from the global irradiance measured by a photovoltaic silicon solar cell. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 36, 26-33.	8.2	18
17	Investigating natural attenuation of pharmaceuticals through unsaturated column tests. <i>Chemosphere</i> , 2017, 177, 292-302.	4.2	15
18	Using old cartography for the inventory of a forgotten heritage: The hydraulic heritage of the Community of Madrid. <i>Science of the Total Environment</i> , 2019, 665, 314-328.	3.9	15

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19	Soil amendment using poplar woodchips to enhance the treatment of wastewater-originated nutrients. <i>Journal of Environmental Management</i> , 2016, 180, 517-525.	3.8	12
20	Sustainable soil amendments to improve nature-based solutions for wastewater treatment and resource recovery. <i>Journal of Environmental Management</i> , 2020, 261, 110255.	3.8	12
21	Geochemical, geological and hydrological influence on ostracod assemblages distribution in the hyporheic zone of two Mediterranean rivers in central Spain. <i>International Review of Hydrobiology</i> , 2014, 99, 435-449.	0.5	11
22	Sensitivity Analysis of APLIS Method to Compute Spatial Variability of Karst Aquifers Recharge at the National Park of Viñales (Cuba). <i>Environmental Earth Sciences</i> , 2010, , 19-24.	0.1	11
23	Analytical method to monitor contaminants of emerging concern in water and soil samples from a non-conventional wastewater treatment system. <i>Journal of Chromatography A</i> , 2022, 1671, 463006.	1.8	11
24	A comparison of different methodologies for designing land application systems: Case study at the Redueña WWTP. <i>Desalination and Water Treatment</i> , 2009, 4, 98-102.	1.0	10
25	Vinasses purification model in carbonated materials by low-cost technologies: An example in the Llanura Manchega (Spain). <i>Environmental Geology</i> , 1994, 24, 188-193.	1.2	7
26	Using electrical resistivity tomography (ERT) to evaluate the infiltration in land application systems. A case study in the Carrión de los Espedes wastewater treatment plant (Seville, Spain). <i>Desalination and Water Treatment</i> , 2009, 4, 111-115.	1.0	7
27	Advances in Geoconservation in Cuba: Assessment of the Guaniguanico Range and Guanahacabibes Plain (Pinar del Río). <i>Geoheritage</i> , 2014, 6, 1-16.	1.5	6
28	Clean water photovoltaic sensor for solar disinfection in developing countries. <i>Solar Energy Materials and Solar Cells</i> , 2013, 117, 549-563.	3.0	5
29	First outcomes in the definition of groundwater protection zones at the Viñales National Park (Cuba) and surrounding area. <i>Environmental Earth Sciences</i> , 2014, 71, 3-11.	1.3	5
30	Geoheritage Integration in the Management of the Cuban Protected Areas. <i>Geoheritage</i> , 2020, 12, 1.	1.5	4
31	Attenuation mechanisms and key parameters to enhance treatment performance in vegetation filters: A review. <i>Journal of Environmental Management</i> , 2021, 300, 113752.	3.8	3
32	Technical, financial and location criteria for the design of land application system treatment. <i>Environmental Earth Sciences</i> , 2014, 71, 13-21.	1.3	2
33	Paleoenvironmental Reconstruction of Las Tablas de Daimiel and Its Evolution During the Quaternary Period. <i>Wetlands: Ecology, Conservation and Management</i> , 2010, , 23-43.	0.0	2
34	Nitrates/nitrites concentration estimation in wastewater samples using transmittance curve models optimized by evolutionary computation techniques. <i>Journal of Hydroinformatics</i> , 2010, 12, 446-457.	1.1	0