

# VerÃ³nica B Rajal

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

917  
citations

623734

14  
h-index

477307

29  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1208  
citing authors

#	ARTICLE	IF	CITATIONS
1	Validation of hollow fiber ultrafiltration and real-time PCR using bacteriophage PP7 as surrogate for the quantification of viruses from water samples. <i>Water Research</i> , 2007, 41, 1411-1422.	11.3	154
2	Minimizing errors in RT-PCR detection and quantification of SARS-CoV-2 RNA for wastewater surveillance. <i>Science of the Total Environment</i> , 2022, 805, 149877.	8.0	153
3	Making waves: Wastewater surveillance of SARS-CoV-2 for population-based health management. <i>Water Research</i> , 2020, 184, 116181.	11.3	138
4	Towards a rational strategy for monitoring of microbiological quality of ambient waters. <i>Science of the Total Environment</i> , 2012, 433, 98-109.	8.0	53
5	Plasma deposition of silver nanoparticles on ultrafiltration membranes: Antibacterial and anti-biofouling properties. <i>Chemical Engineering Research and Design</i> , 2015, 94, 524-537.	5.6	39
6	Electrostatic interactions in virus removal by ultrafiltration membranes. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 1314-1321.	6.7	38
7	How long can culturable bacteria and total DNA persist in environmental waters? The role of sunlight and solid particles. <i>Science of the Total Environment</i> , 2016, 539, 494-502.	8.0	28
8	Simultaneous detection of four protozoan parasites on leafy greens using a novel multiplex PCR assay. <i>Food Microbiology</i> , 2019, 84, 103252.	4.2	24
9	Potential of Bioremediation and PGP Traits in <i>Streptomyces</i> as Strategies for Bio-Reclamation of Salt-Affected Soils for Agriculture. <i>Pathogens</i> , 2020, 9, 117.	2.8	24
10	Production, partial purification and characterization of $\hat{I}\pm$ -l-rhamnosidase from <i>Penicillium ulaiense</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2009, 25, 1025-1033.	3.6	23
11	Salar del Hombre Muerto, source of lithium-tolerant bacteria. <i>Environmental Geochemistry and Health</i> , 2019, 41, 529-543.	3.4	20
12	Evaluation of concentration efficiency of the <i>Pseudomonas aeruginosa</i> phage PP7 in various water matrixes by different methods. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 2565-2576.	2.7	18
13	Spatial and hydrologic variation of Bacteroidales, adenovirus and enterovirus in a semi-arid, wastewater effluent-impacted watershed. <i>Water Research</i> , 2015, 75, 83-94.	11.3	14
14	Data fitting approach more critical than exposure scenarios and treatment of censored data for quantitative microbial risk assessment. <i>Water Research</i> , 2019, 154, 45-53.	11.3	13
15	Virtual screening of plant-derived compounds against SARS-CoV-2 viral proteins using computational tools. <i>Science of the Total Environment</i> , 2021, 781, 146400.	8.0	13
16	Statistical approaches to understanding the impact of matrix composition on the disinfection of water by ultrafiltration. <i>Chemical Engineering Journal</i> , 2017, 316, 305-314.	12.7	12
17	Halotolerant bacteria isolated from extreme environments induce seed germination and growth of chia ( <i>Salvia hispanica</i> L.) and quinoa ( <i>Chenopodium quinoa</i> Willd.) under saline stress. <i>Ecotoxicology and Environmental Safety</i> , 2021, 218, 112273.	6.0	12
18	Construction of a combined soil quality indicator to assess the effect of glyphosate application. <i>Science of the Total Environment</i> , 2019, 682, 639-649.	8.0	11

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19	Quantification of viable protozoan parasites on leafy greens using molecular methods. <i>Food Microbiology</i> , 2021, 99, 103816.	4.2	11
20	Strategies to optimize monitoring schemes of recreational waters from Salta, Argentina: a multivariate approach. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 8359-8380.	2.7	10
21	Isolation and characterization of indigenous <i>Streptomyces</i> and <i>Lentzea</i> strains from soils containing boron compounds in Argentina. <i>Journal of Basic Microbiology</i> , 2014, 54, 568-577.	3.3	10
22	Sediments quality must be considered when evaluating freshwater aquatic environments used for recreational activities. <i>International Journal of Hygiene and Environmental Health</i> , 2020, 223, 159-170.	4.3	10
23	Effect of glyphosate application on soil quality and health under natural and zero tillage field condition. <i>Soil and Environment</i> , 2017, 36, 141-154.	1.1	10
24	Increasing capacity for environmental engineering in Salta, Argentina. <i>American Journal of Industrial Medicine</i> , 2013, 56, 11-19.	2.1	9
25	Correlation between initial biodegradability determined by docking studies and structure of alkylbenzene sulfonates: A new tool for intelligent design of environmentally friendly anionic surfactants. <i>Science of the Total Environment</i> , 2020, 728, 138731.	8.0	9
26	Bio-precipitates produced by two autochthonous boron tolerant <i>Streptomyces</i> strains. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 3373-3383.	6.7	7
27	Rotavirus contamination of surface waters from the northwest of Argentina. <i>Journal of Water and Health</i> , 2020, 18, 409-415.	2.6	7
28	Removal of lithium from aqueous solutions using halotolerant bacteria from El Salar del Hombre Muerto. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105099.	6.7	5
29	Amelioration of Saline Stress on Chia ( <i>Salvia hispanica</i> L.) Seedlings Inoculated With Halotolerant Plant Growth-Promoting Bacteria Isolated From Hypersaline Environments. <i>Frontiers in Agronomy</i> , 2021, 3, .	3.3	5
30	Genomic characterization and proteomic analysis of the halotolerant <i>Micrococcus luteus</i> SA211 in response to the presence of lithium. <i>Science of the Total Environment</i> , 2021, 785, 147290.	8.0	3
31	Genetic fingerprint and diversity evaluation of halophilic <i>Bacillus</i> species by RAPD-PCR. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021, 93, e20191430.	0.8	2
32	Estimating decay kinetic parameters and persistence of bacteria in water is essential for future modelling. <i>Chemical Engineering Research and Design</i> , 2022, 179, 175-187.	5.6	2
33	Stepwise Strategies for the Bioremediation of Contaminated Soils: From the Microbial Isolation to the Final Application. <i>Nanotechnology in the Life Sciences</i> , 2018, , 1-28.	0.6	0