

Margarita Menéndez

List of Publications by Year in descending order

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55
papers

1,747
citations

236925

25
h-index

289244

40
g-index

55
all docs

55
docs citations

55
times ranked

1904
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Basis for Selective Recognition of Pneumococcal Cell Wall by Modular Endolysin from Phage Cp-1. <i>Structure</i> , 2003, 11, 1239-1249.	3.3	149
2	A novel chimeric phage lysin with high <i>in vitro</i> and <i>in vivo</i> bactericidal activity against <i>Streptococcus pneumoniae</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 1763-1773.	3.0	98
3	Insights into pneumococcal pathogenesis from the crystal structure of the modular teichoic acid phosphorylcholine esterase Pce. <i>Nature Structural and Molecular Biology</i> , 2005, 12, 533-538.	8.2	89
4	Improving the Lethal Effect of Cpl-7, a Pneumococcal Phage Lysozyme with Broad Bactericidal Activity, by Inverting the Net Charge of Its Cell Wall-Binding Module. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 5355-5365.	3.2	89
5	Restoration of Wetlands from Abandoned Rice Fields for Nutrient Removal, and Biological Community and Landscape Diversity. <i>Restoration Ecology</i> , 2001, 9, 201-208.	2.9	72
6	A comparative study of the effect of pH and inorganic carbon resources on the photosynthesis of three floating macroalgae species of a Mediterranean coastal lagoon. <i>Journal of Experimental Marine Biology and Ecology</i> , 2001, 256, 123-136.	1.5	65
7	Elucidation of the Molecular Recognition of Bacterial Cell Wall by Modular Pneumococcal Phage Endolysin CPL-1. <i>Journal of Biological Chemistry</i> , 2007, 282, 24990-24999.	3.4	61
8	Structural Organization of the Major Autolysin from <i>Streptococcus pneumoniae</i> . <i>Journal of Biological Chemistry</i> , 1996, 271, 6832-6838.	3.4	54
9	Leaf-litter decomposition in headwater streams: a comparison of the process among four climatic regions. <i>Journal of the North American Benthological Society</i> , 2011, 30, 935-950.	3.1	52
10	Heterogeneity in leaf litter decomposition in a temporary Mediterranean stream during flow fragmentation. <i>Science of the Total Environment</i> , 2016, 553, 330-339.	8.0	52
11	Effect of nitrogen and phosphorus supply on growth, chlorophyll content and tissue composition of the macroalga <i>Chaetomorpha linum</i> (O.F. Müll), in a Mediterranean Coastal Lagoon. <i>Scientia Marina</i> , 2002, 66, 355-364.	0.6	52
12	Cpl-7, a Lysozyme Encoded by a Pneumococcal Bacteriophage with a Novel Cell Wall-binding Motif*. <i>Journal of Biological Chemistry</i> , 2010, 285, 33184-33196.	3.4	44
13	Title is missing!. <i>Hydrobiologia</i> , 2003, 495, 159-169.	2.0	41
14	Structural Characterization of the Unligated and Choline-bound Forms of the Major Pneumococcal Autolysin LytA Amidase. <i>Journal of Biological Chemistry</i> , 1996, 271, 29152-29161.	3.4	36
15	Leaf litter decomposition of native and introduced tree species of contrasting quality in headwater streams: How does the regional setting matter?. <i>Science of the Total Environment</i> , 2013, 458-460, 197-208.	8.0	36
16	Seasonal variations in CO_2 responses of <i>Chara hispida</i> L. and <i>Potamogeton pectinatus</i> L. from stream mediterranean ponds. <i>Aquatic Botany</i> , 1998, 61, 1-15.	1.6	35
17	Structural and Thermodynamic Characterization of Pal, a Phage Natural Chimeric Lysin Active against Pneumococci. <i>Journal of Biological Chemistry</i> , 2004, 279, 43697-43707.	3.4	35
18	Do Sequence Repeats Play an Equivalent Role in the Choline-binding Module of Pneumococcal LytA Amidase?. <i>Journal of Biological Chemistry</i> , 2000, 275, 26842-26855.	3.4	33

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19	Effect of small reservoirs on leaf litter decomposition in Mediterranean headwater streams. <i>Hydrobiologia</i> , 2012, 691, 135-146.	2.0	30
20	Drought and detritivores determine leaf litter decomposition in calcareous streams of the Ebro catchment (Spain). <i>Science of the Total Environment</i> , 2016, 573, 1450-1459.	8.0	30
21	Comparison of Leaf Decomposition in Two Mediterranean Rivers: a Large Eutrophic River and an Oligotrophic Stream (S Catalonia, NE Spain). <i>International Review of Hydrobiology</i> , 2001, 86, 475-486.	0.9	29
22	Geratology and decomposition of <i>Spartina versicolor</i> in a brackish Mediterranean marsh. <i>Estuarine, Coastal and Shelf Science</i> , 2007, 74, 320-330.	2.1	28
23	Spatial and temporal scales for monitoring coastal aquatic ecosystems. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2004, 14, S5-S17.	2.0	26
24	Proposals for macrophyte restoration in eutrophic coastal lagoons. <i>Hydrobiologia</i> , 1990, 200-201, 427-436.	2.0	25
25	Net production of <i>Ruppia cirrhosa</i> in the Ebro Delta. <i>Aquatic Botany</i> , 2002, 73, 107-113.	1.6	25
26	Effects of water flow regulation on ecosystem functioning in a Mediterranean river network assessed by wood decomposition. <i>Science of the Total Environment</i> , 2015, 517, 57-65.	8.0	25
27	Key role of streambed moisture and flash storms for microbial resistance and resilience to long-term drought. <i>Freshwater Biology</i> , 2019, 64, 306-322.	2.4	25
28	Effect of nutrients on decomposition of <i>Ruppia cirrhosa</i> in a shallow coastal lagoon. <i>Hydrobiologia</i> , 2003, 506-509, 729-735.	2.0	23
29	Effect of nutrient pulses on photosynthesis of <i>Chaetomorpha linum</i> from a shallow Mediterranean coastal lagoon. <i>Aquatic Botany</i> , 2005, 82, 181-192.	1.6	23
30	Insights into Molecular Plasticity of Choline Binding Proteins (Pneumococcal Surface Proteins) by SAXS. <i>Journal of Molecular Biology</i> , 2007, 365, 411-424.	4.2	23
31	Leaf growth, senescence and decomposition of <i>Juncus maritimus</i> Lam. in a coastal Mediterranean marsh. <i>Aquatic Botany</i> , 2008, 89, 365-371.	1.6	22
32	Insights into the Structure-Function Relationships of Pneumococcal Cell Wall Lysozymes, LytC and Cpl-1. <i>Journal of Biological Chemistry</i> , 2008, 283, 28618-28628.	3.4	22
33	Response of early <i>Ruppia cirrhosa</i> litter breakdown to nutrient addition in a coastal lagoon affected by agricultural runoff. <i>Estuarine, Coastal and Shelf Science</i> , 2009, 82, 608-614.	2.1	22
34	Leaf litter breakdown in Mediterranean streams: effect of dissolved inorganic nutrients. <i>Hydrobiologia</i> , 2011, 669, 143-155.	2.0	20
35	Exploring Multimodularity in Plant Cell Wall Deconstruction. <i>Journal of Biological Chemistry</i> , 2015, 290, 17116-17130.	3.4	19
36	Variability of Organic Matter Processing in a Mediterranean Coastal Lagoon. <i>International Review of Hydrobiology</i> , 2004, 89, 476-483.	0.9	18

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37	Characterization of Ejl, the cell-wall amidase coded by the pneumococcal bacteriophage Ej-1. <i>Protein Science</i> , 2009, 11, 1788-1799.	7.6	18
38	Quality and quantity of leaf litter: Both are important for feeding preferences and growth of an aquatic shredder. <i>PLoS ONE</i> , 2018, 13, e0208272.	2.5	18
39	Thermal Stability of Cpl-7 Endolysin from the <i>Streptococcus pneumoniae</i> Bacteriophage Cp-7; Cell Wall-Targeting of Its CW_7 Motifs. <i>PLoS ONE</i> , 2012, 7, e46654.	2.5	18
40	Inter- and Intra-Regional Variability of Leaf Litter Breakdown in Reference Headwater Streams of Northern Spain: Atlantic versus Mediterranean Streams. <i>International Review of Hydrobiology</i> , 2011, 96, 105-117.	0.9	16
41	Subsurface zones in intermittent streams are hotspots of microbial decomposition during the non-flow period. <i>Science of the Total Environment</i> , 2020, 703, 135485.	8.0	16
42	Seasonal photosynthetic and respiratory responses of <i>Ruppia cirrhosa</i> (Petagna) Grande to changes in light and temperature. <i>Archiv für Hydrobiologie</i> , 1993, 129, 221-230.	1.1	16
43	Spatial distribution and biomass of aquatic rooted macrophytes and their relevance in the metabolism of a Mediterranean coastal lagoon. <i>Scientia Marina</i> , 2007, 71, 57-64.	0.6	15
44	Diversity mediates the responses of invertebrate density to duration and frequency of rivers' annual drying regime. <i>Oikos</i> , 2021, 130, 2148-2160.	2.7	15
45	Unravelling the structure of the pneumococcal autolytic lysozyme. <i>Biochemical Journal</i> , 2005, 391, 41-49.	3.7	13
46	Leaf-litter breakdown as an indicator of the impacts by flow regulation in headwater streams: Responses across climatic regions. <i>Ecological Indicators</i> , 2017, 73, 11-22.	6.3	12
47	Does the severity of non-flow periods influence ecosystem structure and function of temporary streams? A mesocosm study. <i>Freshwater Biology</i> , 2018, 63, 613-625.	2.4	11
48	Pneumococcal phosphorylcholine esterase, Pce, contains a metal binuclear center that is essential for substrate binding and catalysis. <i>Protein Science</i> , 2005, 14, 3013-3024.	7.6	10
49	Decomposition of the common reed <i>Phragmites australis</i> in a Mediterranean stream pond. <i>Archiv für Hydrobiologie</i> , 2005, 163, 101-115.	1.1	8
50	Litter Decomposition of <i>Scirpus maritimus</i> L. in a Mediterranean Coastal Marsh: Importance of the Meiofauna during the Initial Phases of Detached Leaves Decomposition. <i>International Review of Hydrobiology</i> , 2007, 92, 211-226.	0.9	8
51	Fungal Biodiversity Mediates the Effects of Drying on Freshwater Ecosystem Functioning. <i>Ecosystems</i> , 2022, 25, 780-794.	3.4	8
52	Climate modulates the magnitude of the effects of flow regulation on leaf-litter decomposition. <i>Aquatic Sciences</i> , 2017, 79, 507-514.	1.5	6
53	Structure-based domain assignment in <i>Leishmania infantum</i> EndoC: characterization of a pH-dependent regulatory switch and a C-terminal extension that largely dictates DNA substrate preferences. <i>Nucleic Acids Research</i> , 2017, 45, 9030-9045.	14.5	6
54	Uptake and trophic transfer of nitrogen and carbon in a temperate forested headwater stream. <i>Aquatic Sciences</i> , 2019, 81, 1.	1.5	5

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55	Decomposition processes in coastal lagoons and their implications for the assessment of ecological health. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2019, 29, 450-460.	2.0	0