Pascal-Jean Lopez

List of Publications by Year
in descending order

54 papers	5,111 citations	201674 27 h-index	168389 53 g-index
57 all docs	57 docs citations	57 times ranked	5835 citing authors

#	Article	IF	Citations
1	Pairing AIS data and underwater topography to assess maritime traffic pressures on cetaceans: Case study in the Guadeloupean waters of the Agoa sanctuary. Marine Policy, 2022, 143, 105160.	3.2	2
2	Sargassum contamination and consequences for downstream uses: a review. Journal of Applied Phycology, 2021, 33, 567-602.	2.8	38
3	Singular physiological behavior of the scleractinian coral Porites astreoides in the dark phase. Coral Reefs, 2021, 40, 139-150.	2.2	3
4	Kakila database: Towards a FAIR community approved database of cetacean presence in the waters of the Guadeloupe Archipelago, based on citizen science. Biodiversity Data Journal, 2021, 9, e69022.	0.8	3
5	Sargassum Differentially Shapes the Microbiota Composition and Diversity at Coastal Tide Sites and Inland Storage Sites on Caribbean Islands. Frontiers in Microbiology, 2021, 12, 701155.	3.5	13
6	Physical properties of epilithic river biofilm as a new lead to perform pollution bioassessments in overseas territories. Scientific Reports, 2020, 10, 17309.	3.3	4
7	Analysis of interdomain taxonomic patterns in urban street mats. Environmental Microbiology, 2020, 22, 1280-1293.	3.8	4
8	Analysis of diatoms by holotomography. Surfaces and Interfaces, 2019, 17, 100358.	3.0	2
9	Three-dimensional structural evolution of the cuttlefish Sepia officinalis shell from embryo to adult stages. Journal of the Royal Society Interface, 2019, 16, 20190175.	3.4	3
10	Annual Phytoplankton Primary Production Estimation in a Temperate Estuary by Coupling PAM and Carbon Incorporation Methods. Estuaries and Coasts, 2018, 41, 1337-1355.	2.2	13
11	Adhesive gland transcriptomics uncovers a diversity of genes involved in glue formation in marine tube-building polychaetes. Acta Biomaterialia, 2018, 72, 316-328.	8.3	21
12	Aquatic urban ecology at the scale of a capital: community structure and interactions in street gutters. ISME Journal, 2018, 12, 253-266.	9.8	11
13	Optical Properties of Nanostructured Silica Structures From Marine Organisms. Frontiers in Marine Science, 2018, 5, .	2.5	15
14	Physiological adjustments and transcriptome reprogramming are involved in the acclimation to salinity gradients in diatoms. Environmental Microbiology, 2017, 19, 909-925.	3.8	29
15	First proteomic analyses of the dorsal and ventral parts of the Sepia officinalis cuttlebone. Journal of Proteomics, 2017, 150, 63-73.	2.4	25
16	Eye Development in Sepia officinalis Embryo: What the Uncommon Gene Expression Profiles Tell Us about Eye Evolution. Frontiers in Physiology, 2017, 8, 613.	2.8	12
17	Genome structure and metabolic features in the red seaweed <i>Chondrus crispus</i> shed light on evolution of the Archaeplastida. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5247-5252.	7.1	307
18	Multiparametric Analyses Reveal the pH-Dependence of Silicon Biomineralization in Diatoms. PLoS ONE, 2012, 7, e46722.	2.5	68

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19	Pelagic larval duration of two diadromous species of Kuhliidae (Teleostei: Percoidei) from Indo-Pacific insular systems. Marine and Freshwater Research, 2012, 63, 397.	1.3	11
20	The Ectocarpus Genome and Brown Algal Genomics. Advances in Botanical Research, 2012, 64, 141-184.	1.1	18
21	Diatoms: Self assembled silicananostructures, and templates for bio/chemical sensors and biomimetic membranes. Analyst, The, 2011, 136, 42-53.	3.5	114
22	The Ectocarpus genome and the independent evolution of multicellularity in brown algae. Nature, 2010, 465, 617-621.	27.8	774
23	Digital expression profiling of novel diatom transcripts provides insight into their biological functions. Genome Biology, 2010, 11, R85.	9.6	97
24	Rheological studies of diatom encapsulation in silica gel. Journal of Sol-Gel Science and Technology, 2009, 50, 164-169.	2.4	10
25	Plasticity and robustness of pattern formation in the model diatom <i>Phaeodactylum tricornutum</i>. New Phytologist, 2009, 182, 429-442.	7.3	64
26	Genome-Wide Transcriptome Analyses of Silicon Metabolism in Phaeodactylum tricornutum Reveal the Multilevel Regulation of Silicic Acid Transporters. PLoS ONE, 2009, 4, e7458.	2.5	101
27	Biomimetic dual templating of silica by polysaccharide/protein assemblies. Colloids and Surfaces B: Biointerfaces, 2008, 65, 140-145.	5.0	28
28	The Phaeodactylum genome reveals the evolutionary history of diatom genomes. Nature, 2008, 456, 239-244.	27.8	1,458
29	New tools for labeling silica in living diatoms. New Phytologist, 2008, 177, 822-829.	7.3	75
30	T7 RNA Polymerase Studied by Force Measurements Varying Cofactor Concentration. Biophysical Journal, 2008, 95, 2423-2433.	0.5	49
31	Whole-cell response of the pennate diatom <i>Phaeodactylum tricornutum</i> to iron starvation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 10438-10443.	7.1	414
32	Diatoms in space: testing prospects for reliable diatom nanotechnology in microgravity. , 2007, , .		1
33	Influence of poly-l-lysine on the biomimetic growth of silica tubes in confined media. Journal of Colloid and Interface Science, 2007, 309, 44-48.	9.4	19
34	Solâ€“gel encapsulation extends diatom viability and reveals their silica dissolution capability. Chemical Communications, 2006, , 4611-4613.	4.1	33
35	Biomimetic Growth of Silica Tubes in Confined Media. Langmuir, 2006, 22, 9092-9095.	3.5	24
36	Prospects in diatom research. Current Opinion in Biotechnology, 2005, 16, 180-186.	6.6	154

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37	Mimicking Biogenic Silica Nanostructures Formation. Current Nanoscience, 2005, 1, 73-83.	1.2	116
38	Diatomics: Toward Diatom Functional Genomics. Journal of Nanoscience and Nanotechnology, 2005, 5, 5-14.	0.9	17
39	Unravelling the Mechanism of RNA-Polymerase Forward Motion by Using Mechanical Force. Physical Review Letters, 2005, 94, 128102.	7.8	60
40	A mutation in T7 RNA polymerase that facilitates promoter clearance. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 5958-5963.	7.1	109
41	From biogenic to biomimetic silica. Comptes Rendus - Palevol, 2004, 3, 443-452.	0.2	25
42	Biogenic Silica Patterning: Simple Chemistry or Subtle Biology?. ChemInform, 2003, 34, no.	0.0	0
43	Biogenic Silica Patterning: Simple Chemistry or Subtle Biology?. ChemBioChem, 2003, 4, 251-259.	2.6	150
44	Silicon â€" a Central Metabolite for Diatom Growth and Morphogenesis. Progress in Molecular and Subcellular Biology, 2003, 33, 99-124.	1.6	28
45	Uncoupling yeast intron recognition from transcription with recursive splicing. EMBO Reports, 2000, 1, 334-339.	4.5	18
46	YIDB: the Yeast Intron DataBase. Nucleic Acids Research, 2000, 28, 85-86.	14.5	45
47	Genomic-scale quantitative analysis of yeast pre-mRNA splicing: Implications for splice-site recognition. Rna, 1999, 5, 1135-1137.	3.5	62
48	The C-terminal half of RNase E, which organizes the Escherichia coli degradosome, participates in mRNA degradation but not rRNA processing in vivo. Molecular Microbiology, 1999, 33, 188-199.	2.5	222
49	On the mechanism of inhibition of phage T7 RNA polymerase by lac repressor 1 1Edited by R. Ebright. Journal of Molecular Biology, 1998, 276, 861-875.	4.2	28
50	NTP concentration effects on initial transcription by T7 RNAP indicate that translocation occurs through passive sliding and reveal that divergent promoters have distinct NTP concentration requirements for productive initiation 1 1Edited by R. Ebright. Journal of Molecular Biology, 1998, 281, 777-792.	4.2	46
51	Translation inhibitors stabilize Escherichia coli mRNAs independently of ribosome protection. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 6067-6072.	7.1	56
52	The low processivity of T7 RNA polymerase over the initially transcribed sequence can limit productive initiation in vivo. Journal of Molecular Biology, 1997, 269, 41-51.	4.2	30
53	The lacZ mRNA can be stabilised by the T7 late mRNA leader in E coli. Biochimie, 1996, 78, 408-415.	2.6	11
54	The use of a tRNA as a transcriptional reporter: the T7 late promoter is extremely efficient inEscherichia colibut its transcripts are poorly expressed. Nucleic Acids Research, 1994, 22, 1186-1193.	14.5	51