Gabriele Procaccini

List of Publications by Year in Descending Order

134 papers	4,624 citations	39 h-index	61 g-index
147 ext. papers	5,694 ext. citations	4.3 avg, IF	5.46 L-index

#	Paper	IF	Citations
134	Effects of Current and Future Summer Marine Heat Waves on Posidonia oceanica: Plant Origin Matters?. *Frontiers in Climate*, **2022**, 4,	7.1	2
133	Local environment modulates whole-transcriptome expression in the seagrass Posidonia oceanica under warming and nutrients excess.. *Environmental Pollution*, **2022**, 303, 119077	9.3	1
132	Thermo-priming increases heat-stress tolerance in seedlings of the Mediterranean seagrass P. oceanica. *Marine Pollution Bulletin*, **2021**, 174, 113164	6.7	2
131	The Genetic Component of Seagrass Restoration: What We Know and the Way Forwards. *Water (Switzerland)*, **2021**, 13, 829	3	9
130	Phenotypic plasticity under rapid global changes: The intrinsic force for future seagrasses survival. *Evolutionary Applications*, **2021**, 14, 1181-1201	4.8	16
129	Improved chromosome-level genome assembly and annotation of the seagrass, (eelgrass). *F1000Research*, **2021**, 10, 289	3.6	1
128	Partitioning resilience of a marine foundation species into resistance and recovery trajectories. *Oecologia*, **2021**, 196, 515-527	2.9	2
127	Seagrasses in an era of ocean warming: a review. *Biological Reviews*, **2021**, 96, 2009-2030	13.5	14
126	Gene body DNA methylation in seagrasses: inter- and intraspecific differences and interaction with transcriptome plasticity under heat stress. *Scientific Reports*, **2021**, 11, 14343	4.9	1
125	Unusually Warm Summer Temperatures Exacerbate Population and Plant Level Response of to Anthropogenic Nutrient Stress. *Frontiers in Plant Science*, **2021**, 12, 662682	6.2	2
124	A king and vassalsPtale: Molecular signatures of clonal integration in Posidonia oceanica under chronic light shortage. *Journal of Ecology*, **2021**, 109, 294-312	6	13
123	Photo-physiology and morphology reveal divergent warming responses in northern and southern hemisphere seagrasses. *Marine Biology*, **2021**, 168, 1	2.5	0
122	mA RNA Methylation in Marine Plants: First Insights and Relevance for Biological Rhythms. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	2
121	Application of high-throughput single nucleotide polymorphism genotyping for assessing the origin of Engraulis encrasicolus eggs. *Aquatic Conservation: Marine and Freshwater Ecosystems*, **2020**, 30, 1313-1324	2.6	1
120	Stress Memory in Seagrasses: First Insight Into the Effects of Thermal Priming and the Role of Epigenetic Modifications. *Frontiers in Plant Science*, **2020**, 11, 494	6.2	26
119	The Tropical Seagrass Halophila stipulacea: Reviewing What We Know From Its Native and Invasive Habitats, Alongside Identifying Knowledge Gaps. *Frontiers in Marine Science*, **2020**, 7,	4.5	32
118	Seagrass Cymodocea nodosa across biogeographical regions and times: Differences in abundance, meadow structure and sexual reproduction. *Marine Environmental Research*, **2020**, 162, 105159	3.3	2

117	Projected Rapid Habitat Expansion of Tropical Seagrass Species in the Mediterranean Sea as Climate Change Progresses. *Frontiers in Plant Science*, **2020**, 11, 555376	6.2	10
116	Does Warming Enhance the Effects of Eutrophication in the Seagrass Posidonia oceanica?. *Frontiers in Marine Science*, **2020**, 7,	4.5	14
115	Within- and among-leaf variations in photo-physiological functions, gene expression and DNA methylation patterns in the large-sized seagrass Posidonia oceanica. *Marine Biology*, **2019**, 166, 1	2.5	14
114	Temporal correlation of population composition and environmental variables in the marine invader Ciona robusta. *Marine Ecology*, **2019**, 40, e12543	1.4	5
113	Heat-stress induced flowering can be a potential adaptive response to ocean warming for the iconic seagrass Posidonia oceanica. *Molecular Ecology*, **2019**, 28, 2486-2501	5.7	29
112	Adaptive responses along a depth and a latitudinal gradient in the endemic seagrass Posidonia oceanica. *Heredity*, **2019**, 122, 233-243	3.6	10
111	Differential Leaf Age-Dependent Thermal Plasticity in the Keystone Seagrass. *Frontiers in Plant Science*, **2019**, 10, 1556	6.2	17
110	Biogeographical scenarios modulate seagrass resistance to small-scale perturbations. *Journal of Ecology*, **2019**, 107, 1263-1275	6	14
109	Seagrass collapse due to synergistic stressors is not anticipated by phenological changes. *Oecologia* , **2018**, 186, 1137-1152	2.9	33
108	Carbon economy of Mediterranean seagrasses in response to thermal stress. *Marine Pollution Bulletin*, **2018**, 135, 617-629	6.7	33
107	Investigating cellular stress response to heat stress in the seagrass Posidonia oceanica in a global change scenario. *Marine Environmental Research*, **2018**, 141, 12-23	3.3	26
106	Experimental evidence of warming-induced flowering in the Mediterranean seagrass Posidonia oceanica. *Marine Pollution Bulletin*, **2018**, 134, 49-54	6.7	33
105	Clonal expansion behind a marine diatom bloom. *ISME Journal*, **2018**, 12, 463-472	11.9	20
104	Harnessing positive species interactions as a tool against climate-driven loss of coastal biodiversity. *PLoS Biology*, **2018**, 16, e2006852	9.7	48
103	Molecular level responses to chronic versus pulse nutrient loading in the seagrass Posidonia oceanica undergoing herbivore pressure. *Oecologia*, **2018**, 188, 23-39	2.9	12
102	Linking gene expression to productivity to unravel long- and short-term responses of seagrasses exposed to CO in volcanic vents. *Scientific Reports*, **2017**, 7, 42278	4.9	17
101	Genomewide transcriptional reprogramming in the seagrass Cymodocea nodosa under experimental ocean acidification. *Molecular Ecology*, **2017**, 26, 4241-4259	5.7	14
100	Tissue-specific transcriptomic profiling provides new insights into the reproductive ecology and biology of the iconic seagrass species Posidonia oceanica. *Marine Genomics*, **2017**, 35, 51-61	1.9	7

99	Long-term acclimation to reciprocal light conditions suggests depth-related selection in the marine foundation species. *Ecology and Evolution*, **2017**, 7, 1148-1164	2.8	24
98	Antioxidant response to heat stress in seagrasses. A gene expression study. *Marine Environmental Research*, **2017**, 132, 94-102	3.3	30
97	Potential and realized connectivity of the seagrass Posidonia oceanica and their implication for conservation. *Diversity and Distributions*, **2017**, 23, 1423-1434	5	16
96	Depth-specific fluctuations of gene expression and protein abundance modulate the photophysiology in the seagrass Posidonia oceanica. *Scientific Reports*, **2017**, 7, 42890	4.9	37
95	Nutrient Loading Fosters Seagrass Productivity Under Ocean Acidification. *Scientific Reports*, **2017**, 7, 13732	4.9	18
94	Insights on the drivers of genetic divergence in the European anchovy. *Scientific Reports*, **2017**, 7, 4180	4.9	9
93	Respiratory oxygen consumption in the seagrass varies on a diel basis and is partly affected by light. *Marine Biology*, **2017**, 164, 140	2.5	11
92	Molecular Mechanisms behind the Physiological Resistance to Intense Transient Warming in an Iconic Marine Plant. *Frontiers in Plant Science*, **2017**, 8, 1142	6.2	39
91	Transcriptome characterisation and simple sequence repeat marker discovery in the seagrass Posidonia oceanica. *Scientific Data*, **2016**, 3, 160115	8.2	9
90	The genome of the seagrass Zostera marina reveals angiosperm adaptation to the sea. *Nature*, **2016**, 530, 331-5	50.4	276
89	High resolution SNPs selection in Engraulis encrasicolus through Taqman OpenArray. *Fisheries Research*, **2016**, 177, 31-38	2.3	6
88	Biocomplexity in Populations of European Anchovy in the Adriatic Sea. *PLoS ONE*, **2016**, 11, e0153061	3.7	9
87	Octopus vulgaris (Cuvier, 1797) in the Mediterranean Sea: Genetic Diversity and Population Structure. *PLoS ONE*, **2016**, 11, e0149496	3.7	23
86	Physiological and molecular evidence of differential short-term heat tolerance in Mediterranean seagrasses. *Scientific Reports*, **2016**, 6, 28615	4.9	58
85	Patterns and mechanisms of dispersal in a keystone seagrass species. *Marine Environmental Research*, **2016**, 117, 54-62	3.3	18
84	Environmental processes driving anchovy and sardine distribution in a highly variable environment: the role of the coastal structure and riverine input. *Fisheries Oceanography*, **2016**, 25, 471-490	2.4	22
83	A new set of pure microsatellite loci in the common octopus Octopus vulgaris Cuvier, 1797 for multiplex PCR assay and their cross-amplification in O. maya Voss & Sol Ramez, 1966. *Conservation Genetics Resources*, **2015**, 7, 299-301	0.8	4
82	Genetic diversity and structure in two protected Posidonia oceanica meadows. *Marine Environmental Research*, **2015**, 109, 124-31	3.3	13

81	Insights into possible cell-death markers in the diatom Skeletonema marinoi in response to senescence and silica starvation. *Marine Genomics*, **2015**, 24 Pt 1, 81-8	1.9	22
80	A meta-analysis reveals a positive correlation between genetic diversity metrics and environmental status in the long-lived seagrass Posidonia oceanica. *Molecular Ecology*, **2015**, 24, 2336-48	5.7	39
79	Key genes as stress indicators in the ubiquitous diatom Skeletonema marinoi. *BMC Genomics*, **2015**, 16, 411	4.5	29
78	Should we sync? Seascape-level genetic and ecological factors determine seagrass flowering patterns. *Journal of Ecology*, **2015**, 103, 1464-1474	6	14
77	High connectivity and directional gene flow in European Atlantic and Mediterranean populations of Ciona intestinalis sp. A. *Marine Ecology*, **2015**, 36, 1230-1243	1.4	5
76	Response of key stress-related genes of the seagrass <i>Posidonia oceanica</i> in the vicinity of submarine volcanic vents. *Biogeosciences*, **2015**, 12, 4185-4194	4.6	27
75	Acoustic monitoring of O2 production of a seagrass meadow. *Journal of Experimental Marine Biology and Ecology*, **2015**, 464, 75-87	2.1	21
74	The importance of genetic make-up in seagrass restoration: a case study of the seagrass Zostera noltei. *Marine Ecology - Progress Series*, **2015**, 532, 111-122	2.6	15
73	Response of the seagrass Posidonia oceanica to different light environments: Insights from a combined molecular and photo-physiological study. *Marine Environmental Research*, **2014**, 101, 225-236	3.3	70
72	An integration of historical records and genetic data to the assessment of global distribution and population structure in Octopus vulgaris. *Frontiers in Ecology and Evolution*, **2014**, 2,	3.7	12
71	Insights into the transcriptome of the marine copepod Calanus helgolandicus feeding on the oxylipin-producing diatom Skeletonema marinoi. *Harmful Algae*, **2014**, 31, 153-162	5.3	28
70	Temporal changes in population structure of a marine planktonic diatom. *PLoS ONE*, **2014**, 9, e114984	3.7	35
69	Mendelian inheritance pattern and high mutation rates of microsatellite alleles in the diatom Pseudo-nitzschia multistriata. *Protist*, **2013**, 164, 89-100	2.5	22
68	Changes in expression of stress genes in copepods feeding upon a non-brevetoxin-producing strain of the dinoflagellate Karenia brevis. *Harmful Algae*, **2013**, 28, 23-30	5.3	22
67	Identity and origin of a slender Caulerpa taxifolia strain introduced into the Mediterranean Sea. *Botanica Marina*, **2013**, 56,	1.8	19
66	Permanent genetic resources added to molecular ecology resources database 1 December 2012-31 January 2013. *Molecular Ecology Resources*, **2013**, 13, 546-9	8.4	27
65	Establishing research strategies, methodologies and technologies to link genomics and proteomics to seagrass productivity, community metabolism, and ecosystem carbon fluxes. *Frontiers in Plant Science*, **2013**, 4, 38	6.2	30
64	Acclimation to different depths by the marine angiosperm Posidonia oceanica: transcriptomic and proteomic profiles. *Frontiers in Plant Science*, **2013**, 4, 195	6.2	27

63	Seagrass ecophysiology meets ecological genomics: are we ready?. *Marine Ecology*, **2012**, 33, 522-527	1.4	12
62	Gene expression patterns and stress response in marine copepods. *Marine Environmental Research*, **2012**, 76, 22-31	3.3	71
61	Reference genes assessment for the seagrass Posidonia oceanica in different salinity, pH and light conditions. *Marine Biology*, **2012**, 159, 1269-1282	2.5	34
60	Copepod population-specific response to a toxic diatom diet. *PLoS ONE*, **2012**, 7, e47262	3.7	48
59	Loggerhead turtles nesting in Libya: an important management unit for the Mediterranean stock. *Marine Ecology - Progress Series*, **2012**, 450, 207-218	2.6	25
58	A New Animal Model for Merging Ecology and Evolution **2011**, 91-106		18
57	First molecular evidence of diatom effects in the copepod Calanus helgolandicus. *Journal of Experimental Marine Biology and Ecology*, **2011**, 404, 79-86	2.1	40
56	Back to the sea twice: identifying candidate plant genes for molecular evolution to marine life. *BMC Evolutionary Biology*, **2011**, 11, 8	3	61
55	Microsatellite primers in the planktonic diatom Pseudo-nitzschia multistriata (Bacillariophyceae). *American Journal of Botany*, **2011**, 98, e33-5	2.7	14
54	Molecular evidence of the toxic effects of diatom diets on gene expression patterns in copepods. *PLoS ONE*, **2011**, 6, e26850	3.7	43
53	Evolution of the nitric oxide synthase family in metazoans. *Molecular Biology and Evolution*, **2011**, 28, 163-79	8.3	101
52	Genetic structure in the Mediterranean seagrass Posidonia oceanica: disentangling past vicariance events from contemporary patterns of gene flow. *Molecular Ecology*, **2010**, 19, 557-68	5.7	87
51	Seagrasses along the Sicilian coasts. *Chemistry and Ecology*, **2010**, 26, 249-266	2.3	14
50	Dr. Zompo: an online data repository for Zostera marina and Posidonia oceanica ESTs. *Database: the Journal of Biological Databases and Curation*, **2009**, 2009, bap009	5	36
49	Internal transcribed spacer polymorphism in Pseudo-nitzschia multistriata (Bacillariophyceae) in the Gulf of Naples: recent divergence or intraspecific hybridization?. *Protist*, **2009**, 160, 9-20	2.5	60
48	High genetic diversity and connectivity in the polyploid invasive seaweed Asparagopsis taxiformis (Bonnemaisoniales) in the Mediterranean, explored with microsatellite alleles and multilocus genotypes. *Molecular Ecology*, **2009**, 18, 212-26	5.7	72
47	Seagrass meadows at the extreme of environmental tolerance: the case of Posidonia oceanica in a semi-enclosed coastal lagoon. *Marine Ecology*, **2009**, 30, 288-300	1.4	49
46	Posidonia oceanica in the Marmara Sea. *Aquatic Botany*, **2009**, 90, 18-22	1.8	13

45	Phylogeography of the invasive seaweed Asparagopsis (Bonnemaisoniales, Rhodophyta) reveals cryptic diversity. *Molecular Ecology*, **2007**, 16, 2285-99	5.7	95
44	Vicariance patterns in the Mediterranean Sea: east–west cleavage and low dispersal in the endemic seagrass Posidonia oceanica. *Journal of Biogeography*, **2007**, 34, 963-976	4.1	128
43	Contribution of genetics and genomics to seagrass biology and conservation. *Journal of Experimental Marine Biology and Ecology*, **2007**, 350, 234-259	2.1	119
42	Phylogeography of two species of Lysidice (Polychaeta, Eunicidae) associated to the seagrass Posidonia oceanica in the Mediterranean Sea. *Marine Biology*, **2007**, 150, 1115-1126	2.5	17
41	Phylogeography of the sea urchin Paracentrotus lividus (Lamarck) (Echinodermata:Echinoidea): first insights from the South Tyrrhenian Sea. *Hydrobiologia*, **2007**, 580, 77-84	2.4	10
40	Microsatellite markers in an invasive strain of Asparagopsis taxiformis (Bonnemaisoniales, Rhodophyta): insights in ploidy level and sexual reproduction. *Gene*, **2007**, 406, 144-51	3.8	20
39	Comparison of ISSR and SSR markers for analysis of genetic diversity in the seagrass Posidonia oceanica. *Marine Ecology - Progress Series*, **2007**, 338, 71-79	2.6	18
38	Seagrass Evolution, Ecology and Conservation: A Genetic Perspective **2007**, 25-50		11
37	Temporal variations in the spatial distribution of shoot density in a Posidonia oceanica meadow and patterns of genetic diversity. *Marine Ecology*, **2006**, 27, 328-338	1.4	23
36	A tribute to Lucia Mazzella (1947–1999). *Marine Ecology*, **2006**, 27, 273-276	1.4	
35	GENOMIC DNA ISOLATION FROM GREEN AND BROWN ALGAE (CAULERPALES AND FUCALES) FOR MICROSATELLITE LIBRARY CONSTRUCTION1. *Journal of Phycology*, **2006**, 42, 741-745	3	49
34	Local genetic structure in a clonal dioecious angiosperm. *Molecular Ecology*, **2005**, 14, 957-67	5.7	43
33	Mating System and Clonal Architecture: A Comparative Study in Two Marine Angiosperms. *Evolutionary Ecology*, **2005**, 19, 487-499	1.8	30
32	Assessing genetic diversity in clonal organisms: low diversity or low resolution? Combining power and cost efficiency in selecting markers. *Journal of Heredity*, **2005**, 96, 434-40	2.4	137
31	Meadow-scale genetic structure in Posidonia oceanica. *Marine Ecology - Progress Series*, **2005**, 304, 55-65	2.6	41
30	North Atlantic phylogeography and large-scale population differentiation of the seagrass Zostera marina L. *Molecular Ecology*, **2004**, 13, 1923-41	5.7	224
29	Polymorphic microsatellite loci for the marine angiosperm Cymodocea nodosa. *Molecular Ecology Notes*, **2004**, 4, 512-514		11
28	Characterization of microsatellite loci in the dwarf eelgrass Zostera noltii (Zosteraceae) and cross-reactivity with Z. japonica. *Molecular Ecology Notes*, **2004**, 4, 497-499		19

27	The rDNA ITS region in the lessepsian marine angiosperm Halophila stipulacea (Forssk.) Aschers. (Hydrocharitaceae): intragenomic variability and putative pseudogenic sequences. *Journal of Molecular Evolution*, **2004**, 58, 115-21	3.1	39
26	Asparagopsis taxiformis and Asparagopsis armata (Bonnemaisoniales, Rhodophyta): genetic and morphological identification of Mediterranean populations. *European Journal of Phycology*, **2004**, 39, 273-283	2.2	59
25	Multiple rDNA ITS-types within the diatom Pseudo-nitzschia delicatissima (Bacillariophyceae) and their relative abundances across a spring bloom in the Gulf of Naples. *Marine Ecology - Progress Series*, **2004**, 271, 87-98	2.6	105
24	Population genetics of dwarf eelgrass Zostera noltii throughout its biogeographic range. *Marine Ecology - Progress Series*, **2004**, 281, 51-62	2.6	81
23	Bipolar distribution of the cyst-forming dinoflagellate Polarella glacialis. *Polar Biology*, **2003**, 26, 186-194		108
22	Intraspecific diversity in Scrippsiella trochoidea (Dinopbyceae): evidence for cryptic species. *Phycologia*, **2003**, 42, 56-70	2.7	137
21	PHYLOGENETIC POSITION OF CRUSTOMASTIX STIGMATICA SP. NOV. AND DOLICHOMASTIX TENUILEPIS IN RELATION TO THE MAMIELLALES (PRASINOPHYCEAE, CHLOROPHYTA)1. *Journal of Phycology*, **2002**, 38, 1024-1039	3	28
20	Toxic Pseudo-nitzschia multistriata (Bacillariophyceae) from the Gulf of Naples: morphology, toxin analysis and phylogenetic relationships with other Pseudo-nitzschia species. *European Journal of Phycology*, **2002**, 37, 247-257	2.2	105
19	Ancient DNA in the seagrass Posidonia oceanica. *Marine Ecology - Progress Series*, **2002**, 227, 269-273	2.6	15
18	Genetic Polymorphism and Transplantation Success in the Mediterranean Seagrass Posidonia oceanica. *Restoration Ecology*, **2001**, 9, 332-338	3.1	59
17	Spatial patterns of genetic diversity in Posidonia oceanica, an endemic Mediterranean seagrass. *Molecular Ecology*, **2001**, 10, 1413-21	5.7	48
16	Sexual Reproduction and Recruitment in Posidonia Oceanica (L.) Delile, a Genetic Diversity Study **2001**, 385-389		4
15	High levels of intra- and inter-individual polymorphism in the rDNA ITS1 of Caulerpa racemosa (Chlorophyta). *European Journal of Phycology*, **2000**, 35, 349-356	2.2	60
14	Isolation and characterization of microsatellite loci in the ascidian Ciona intestinalis (L.). *Molecular Ecology*, **2000**, 9, 1924-6	5.7	10
13	High levels of intra- and inter-individual polymorphism in the rDNA ITS1 of Caulerpa racemosa (Chlorophyta). *European Journal of Phycology*, **2000**, 35, 349-356	2.2	12
12	Urbanisation and the genetic structure of Passer italiae (Vieillot 1817) populations in the South of Italy. *Ethology Ecology and Evolution*, **2000**, 12, 123-130	0.7	4
11	POLARELLA GLACIALIS, GEN. NOV., SP. NOV. (DINOPHYCEAE): SUESSIACEAE ARE STILL ALIVE!. *Journal of Phycology*, **1999**, 35, 186-197	3	93
10	Structural, morphological and genetic variability in Halophila stipulacea (Hydrocharitaceae) populations in the western Mediterranean. *Marine Biology*, **1999**, 135, 181-189	2.5	46

9	Chloroplast tRNALeu (UAA) intron sequences provide phylogenetic resolution of seagrass relationships. *Aquatic Botany*, **1999**, 62, 269-283	1.8	17
8	Brief communication. Microsatellite loci identified in the seagrass Posidonia oceanica (L.) Delile. *Journal of Heredity*, **1998**, 89, 562-568	2.4	45
7	High levels of polymorphism detected with M13 fingerprinting probe in bird species and populations. *Italian Journal of Zoology*, **1998**, 65, 291-294		1
6	Population genetic structure and gene flow in the seagrass Posidonia oceanica assessed using microsatellite analysis. *Marine Ecology - Progress Series*, **1998**, 169, 133-141	2.6	47
5	Genetic structure of the seagrass Posidonia oceanica in the Western Mediterranean:ecological implications. *Marine Ecology - Progress Series*, **1996**, 140, 153-160	2.6	33
4	Assessment of genetic diversity of seagrass populations using DNA fingerprinting: implications for population stability and management. *Proceedings of the National Academy of Sciences of the United States of America*, **1994**, 91, 1049-53	11.5	86
3	Observations on the Spatio-Temporal Distribution of Crustacean Amphipods in the Fusaro Coastal Lagoon (Central Tyrrhenian Sea, Italy) and Some Notes on Their Presence in Mediterranean Lagoons. *Marine Ecology*, **1992**, 13, 203-224	1.4	13
2	Use of Marine Genetic Resources451-458		
1	Sugars dominate the seagrass rhizosphere		3