

Francesca Gherardi

List of Publications by Year in descending order

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110
papers

5,805
citations

71102

41
h-index

88630

70
g-index

112
all docs

112
docs citations

112
times ranked

4553
citing authors

#	ARTICLE	IF	CITATIONS
1	Disentangling the role of environmental and human pressures on biological invasions across Europe. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12157-12162.	7.1	470
2	Socioeconomic legacy yields an invasion debt. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 203-207.	7.1	442
3	Crayfish invading Europe: the case study of <i>Procambarus clarkii</i> . Marine and Freshwater Behaviour and Physiology, 2006, 39, 175-191.	0.9	304
4	Managing invasive crayfish: is there a hope?. Aquatic Sciences, 2011, 73, 185-200.	1.5	215
5	Global Introductions of Crayfishes: Evaluating the Impact of Species Invasions on Ecosystem Services. Annual Review of Ecology, Evolution, and Systematics, 2012, 43, 449-472.	8.3	202
6	Invasive crayfish in Europe: the impact of <i>Procambarus clarkii</i> on the littoral community of a Mediterranean lake. Freshwater Biology, 2007, 52, 1249-1259.	2.4	179
7	Invasive alien Crustacea: dispersal, establishment, impact and control. BioControl, 2011, 56, 573-595.	2.0	128
8	Title is missing!. Biological Invasions, 2000, 2, 259-264.	2.4	107
9	Agonism and interference competition in freshwater decapods. Behaviour, 2004, 141, 1297-1324.	0.8	102
10	Animal xenodiversity in Italian inland waters: distribution, modes of arrival, and pathways. Biological Invasions, 2008, 10, 435-454.	2.4	101
11	Understanding the impact of invasive crayfish. , 2007, , 507-542.		92
12	Calibration of FI-ISK, an Invasiveness Screening Tool for Nonnative Freshwater Invertebrates. Risk Analysis, 2010, 30, 285-292.	2.7	84
13	Fighting behavior in hermit crabs: the combined effect of resource-holding potential and resource value in <i>Pagurus longicarpus</i> . Behavioral Ecology and Sociobiology, 2006, 59, 500-510.	1.4	83
14	Agonism and shelter competition between invasive and indigenous crayfish species. Canadian Journal of Zoology, 2004, 82, 1923-1932.	1.0	79
15	Invasive crayfish: activity patterns of <i>Procambarus clarkii</i> in the rice fields of the Lower Guadalquivir (Spain). Fundamental and Applied Limnology, 2000, 150, 153-168.	0.7	76
16	Effects of Climate Change, Invasive Species, and Disease on the Distribution of Native European Crayfishes. Conservation Biology, 2013, 27, 731-740.	4.7	72
17	A review of allodiversity in Lake Naivasha, Kenya: Developing conservation actions to protect East African lakes from the negative impacts of alien species. Biological Conservation, 2011, 144, 2585-2596.	4.1	70
18	Multimodal communication in crayfish: sex recognition during mate search by male <i>Austropotamobius pallipes</i> . Canadian Journal of Zoology, 2002, 80, 2041-2045.	1.0	69

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19	Crayfish females eavesdrop on fighting males before choosing the dominant mate. <i>Current Biology</i> , 2008, 18, R462-R463.	3.9	66
20	Predatory Efficiency of Crayfish: Comparison Between Indigenous and Non-Indigenous Species. <i>Biological Invasions</i> , 2004, 6, 89-99.	2.4	65
21	Combined Effects of Temperature and Diet on Growth and Survival of Young-of-Year Crayfish: A Comparison between Indigenous and Invasive Species. <i>Journal of Crustacean Biology</i> , 2004, 24, 140-148.	0.8	63
22	Memory of Social Partners in Hermit Crab Dominance. <i>Ethology</i> , 2005, 111, 271-285.	1.1	62
23	Conceptual Frameworks and Methods for Advancing Invasion Ecology. <i>Ambio</i> , 2013, 42, 527-540.	5.5	62
24	Dominance hierarchies and status recognition in the crayfish <i>Procambarus acutus acutus</i> . <i>Canadian Journal of Zoology</i> , 2003, 81, 1269-1281.	1.0	60
25	Factors inducing the intense burrowing activity of the red-swamp crayfish, <i>Procambarus clarkii</i> , an invasive species. <i>Die Naturwissenschaften</i> , 2004, 91, 342-5.	1.6	60
26	Competition and coexistence in two Mediterranean hermit crabs, <i>Calcinus ornatus</i> (Roux) and <i>Clibanarius erythropus</i> (Latreille) (Decapoda, Anomura). <i>Journal of Experimental Marine Biology and Ecology</i> , 1990, 143, 221-238.	1.5	59
27	Structure and dynamics of an invasive population of the red swamp crayfish (<i>Procambarus clarkii</i>) in a Mediterranean wetland. <i>Hydrobiologia</i> , 2007, 583, 309-319.	2.0	58
28	Revisiting social recognition systems in invertebrates. <i>Animal Cognition</i> , 2012, 15, 745-762.	1.8	58
29	I Know My Neighbour: Individual Recognition in <i>Octopus vulgaris</i> . <i>PLoS ONE</i> , 2011, 6, e18710.	2.5	57
30	Ranging behaviour of the invasive crayfish, <i>Procambarus clarkii</i> (Girard). <i>Journal of Natural History</i> , 2004, 38, 2821-2832.	0.5	55
31	Biological invasions in inland waters: an overview. , 2007, , 3-25.		52
32	Biological control of invasive populations of crayfish: the European eel (<i>Anguilla anguilla</i>) as a predator of <i>Procambarus clarkii</i> . <i>Biological Invasions</i> , 2010, 12, 3817-3824.	2.4	52
33	Habitat use and dispersal of the invasive crayfish <i>Procambarus clarkii</i> in ephemeral water bodies of Portugal. <i>Marine and Freshwater Behaviour and Physiology</i> , 2005, 38, 225-236.	0.9	51
34	Female freshwater crayfish adjust egg and clutch size in relation to multiple male traits. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 1105-1110.	2.6	51
35	DIFFERENCES IN MEMORY CAPABILITIES IN INVASIVE AND NATIVE CRAYFISH. <i>Journal of Crustacean Biology</i> , 2002, 22, 439-448.	0.8	50
36	The Question of Coexistence in Hermit Crabs: Population Ecology of a Tropical Intertidal Assemblage. <i>Crustaceana</i> , 1997, 70, 608-629.	0.3	48

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37	Unraveling the Nature of Individual Recognition by Odor in Hermit Crabs. <i>Journal of Chemical Ecology</i> , 2005, 31, 2877-2896.	1.8	47
38	Behavioral plasticity, behavioral syndromes and animal personality in crustacean decapods: An imperfect map is better than no map. <i>Environmental Epigenetics</i> , 2012, 58, 567-579.	1.8	47
39	Breeding in the crayfish, <i>Austropotamobius pallipes</i> : mating patterns, mate choice and intermale competition. <i>Freshwater Biology</i> , 1998, 40, 305-315.	2.4	46
40	Binary individual recognition in hermit crabs. <i>Behavioral Ecology and Sociobiology</i> , 2004, 55, 524-530.	1.4	46
41	Hermit crabs in a mangrove swamp: proximate and ultimate factors in the clustering of <i>Clibanarius laevimanus</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 1993, 168, 167-187.	1.5	45
42	Crayfish females eavesdrop on fighting males and use smell and sight to recognize the identity of the winner. <i>Animal Behaviour</i> , 2010, 79, 265-269.	1.9	45
43	Differences in Memory Capabilities in Invasive and Native Crayfish. <i>Journal of Crustacean Biology</i> , 2002, 22, 439-448.	0.8	41
44	Invasive species of crayfish use a broader range of predation-risk cues than native species. <i>Biological Invasions</i> , 2003, 5, 223-228.	2.4	41
45	Spatial and temporal patterns in the movement of. <i>Aquatic Sciences</i> , 2000, 62, 179.	1.5	41
46	Growth and reproduction in the freshwater crab, <i>Potamon fluviatile</i> (Decapoda, Brachyura). <i>Freshwater Biology</i> , 1990, 23, 491-503.	2.4	40
47	Unsuccessful Predation and Learning of Predator Cues by Crayfish. <i>Journal of Crustacean Biology</i> , 2003, 23, 364-370.	0.8	40
48	Shell acquisition by hermit crabs: which tactic is more efficient?. <i>Behavioral Ecology and Sociobiology</i> , 2006, 60, 492-500.	1.4	39
49	Daily activity of the white-clawed crayfish, <i>Austropotamobius pallipes</i> (Lereboullet): a comparison between field and laboratory studies. <i>Journal of Natural History</i> , 2001, 35, 1861-1871.	0.5	38
50	Chemical cues and binary individual recognition in the hermit crab <i>Pagurus longicarpus</i> . <i>Journal of Zoology</i> , 2004, 263, 23-29.	1.7	38
51	Managing invasive crayfish: use of X-ray sterilisation of males. <i>Freshwater Biology</i> , 2009, 54, 1510-1519.	2.4	38
52	The new threat to Italian inland waters from the alien crayfish "œganga": the Australian <i>Cherax destructor</i> Clark, 1936. <i>Hydrobiologia</i> , 2009, 632, 341-345.	2.0	37
53	Population structure and shell use in the hermit crab, <i>Clibanarius erythropus</i> : a comparison between Mediterranean and Atlantic shores. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2001, 81, 77-84.	0.8	36
54	Shelter use of the Red-Swamp Crayfish (<i>Procambarus clarkii</i>) in dry-season stream pools. <i>Archiv für Hydrobiologie</i> , 2003, 157, 535-546.	1.1	36

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55	Movement Patterns of the White-clawed Crayfish, <i>Austropotamobius pallipes</i> , in a Tuscan Stream. <i>Journal of Freshwater Ecology</i> , 1998, 13, 413-424.	1.2	35
56	Genetic Variability in European Populations of an Invasive American Crayfish: Preliminary Results. <i>Biological Invasions</i> , 2003, 5, 269-274.	2.4	35
57	Visual recognition of conspecifics in the American lobster, <i>Homarus americanus</i> . <i>Animal Behaviour</i> , 2010, 80, 713-719.	1.9	35
58	Depuration of microcystin-LR from the red swamp crayfish <i>Procambarus clarkii</i> with assessment of its food quality. <i>Aquaculture</i> , 2008, 285, 90-95.	3.5	34
59	Sex identification in female crayfish is bimodal. <i>Die Naturwissenschaften</i> , 2009, 96, 103-110.	1.6	33
60	Movement patterns and dispersal of the hermit crab <i>Clibanarius longitarsus</i> in a mangrove swamp. <i>Marine and Freshwater Behaviour and Physiology</i> , 1990, 16, 209-223.	0.9	32
61	Locomotor Activity in the Freshwater Crab <i>Potamon fluviatile</i> : The Analysis of Temporal Patterns by Radio-telemetry. <i>Ethology</i> , 1988, 77, 300-316.	1.1	32
62	Food selection in freshwater omnivores: a case study of crayfish <i>Austropotamobius pallipes</i> . <i>Archiv für Hydrobiologie</i> , 2004, 159, 357-376.	1.1	31
63	The smell of danger: chemical recognition of fish predators by the invasive crayfish <i>Procambarus clarkii</i> . <i>Freshwater Biology</i> , 2011, 56, 1567-1578.	2.4	31
64	Climate warming and the agonistic behaviour of invasive crayfishes in Europe. <i>Freshwater Biology</i> , 2013, 58, 1958-1967.	2.4	30
65	Energy maximization and foraging strategies in <i>Potamon fluviatile</i> (Decapoda, Brachyura). <i>Freshwater Biology</i> , 1989, 22, 233-245.	2.4	29
66	Field observations on activity and clustering in two intertidal hermit crabs, <i>Clibanarius virescens</i> and <i>Calcinus laevimanus</i> (Decapoda, Anomura). <i>Marine and Freshwater Behaviour and Physiology</i> , 1989, 14, 145-159.	0.9	29
67	Extended Mother-Offspring Relationships in Crayfish: The Return Behaviour of Juvenile <i>Procambarus Clarkii</i> . <i>Ethology</i> , 2008, 114, 946-954.	1.1	29
68	Assessing mate size in the red swamp crayfish <i>Procambarus clarkii</i> : effects of visual versus chemical stimuli. <i>Freshwater Biology</i> , 2008, 53, 461-469.	2.4	29
69	Evidence of female cryptic choice in crayfish. <i>Biology Letters</i> , 2008, 4, 163-165.	2.3	29
70	Behavioural responses to alarm odours in indigenous and non-indigenous crayfish species: a case study from Western Australia. <i>Marine and Freshwater Research</i> , 2002, 53, 93.	1.3	28
71	Effects of chemical context on shell investigation behavior in hermit crabs. <i>Journal of Experimental Marine Biology and Ecology</i> , 2005, 320, 1-7.	1.5	27
72	A Comparison of Trace Metal Accumulation in Indigenous and Alien Freshwater Macro-Decapods. <i>Marine and Freshwater Behaviour and Physiology</i> , 2002, 35, 179-188.	0.9	26

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73	Studies on the locomotor activity of the freshwater crab, <i>Potamon fluviatile</i> . <i>Hydrobiologia</i> , 1988, 169, 241-250.	2.0	24
74	The significance of chelae in the agonistic behaviour of the white-clawed crayfish, <i>Ustropotamobius pallipes</i> . <i>Marine and Freshwater Behaviour and Physiology</i> , 2000, 33, 187-200.	0.9	24
75	Hermit crabs in a mangrove swamp: Clustering dynamics in <i>Clibanarius laevimanus</i> . <i>Marine and Freshwater Behaviour and Physiology</i> , 1992, 21, 85-104.	0.9	23
76	Effects of the density of an invasive crayfish (<i>Procambarus clarkii</i>) on pelagic and surface microalgae in a Mediterranean wetland. <i>Archiv für Hydrobiologie</i> , 2006, 165, 401-414.	1.1	23
77	Conserving indigenous crayfish: stock assessment and habitat requirements in the threatened <i>Austropotamobius italicus</i> . <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2008, 18, 1227-1239.	2.0	23
78	Resource partitioning between sexes in the "unconventional" hermit crab, <i>Calcinus tubularis</i> . <i>Behavioral Ecology</i> , 2004, 15, 742-747.	2.2	22
79	The use of sex pheromones for the control of invasive populations of the crayfish <i>Procambarus clarkii</i> : a field study. <i>Hydrobiologia</i> , 2010, 649, 249-254.	2.0	22
80	FEEDING PREFERENCES OF THE INVASIVE CRAYFISH, <i>PROCAMBARUS CLARKII</i> . <i>Knowledge and Management of Aquatic Ecosystems: an International Journal on Aquatic Ecosystems</i> , 2007, , 7-20.	0.4	21
81	Past ownership makes crayfish more aggressive. <i>Behavioral Ecology and Sociobiology</i> , 2010, 64, 575-581.	1.4	21
82	Nonrandom mating, mate choice, and male-male competition in the crayfish <i>Austropotamobius italicus</i> , a threatened species. <i>Archiv für Hydrobiologie</i> , 2006, 165, 557-576.	1.1	20
83	Biogenic amines influence aggressiveness in crayfish but not their force or hierarchical rank. <i>Animal Behaviour</i> , 2007, 74, 1715-1724.	1.9	20
84	Crustacean Hyperglycemic Hormone (cHH) as a Modulator of Aggression in Crustacean Decapods. <i>PLoS ONE</i> , 2012, 7, e50047.	2.5	20
85	Using information theory to assess dynamics, structure, and organization of crayfish agonistic repertoire. <i>Behavioural Processes</i> , 2004, 65, 163-178.	1.1	19
86	Source of alarm substances in crayfish and their preliminary chemical characterization. <i>Canadian Journal of Zoology</i> , 2005, 83, 1624-1630.	1.0	19
87	Microhabitat use by the white-clawed crayfish in a Tuscan stream. <i>Journal of Natural History</i> , 2008, 42, 21-33.	0.5	19
88	Macrobenthic associates of bioherms of the polychaete <i>Sabellaria cementarium</i> from northern Puget Sound, Washington. <i>Canadian Journal of Zoology</i> , 1994, 72, 514-525.	1.0	18
89	Non-conventional hermit crabs: Pros and cons of a sessile, tube-dwelling life in <i>Discorsopagurus schmitti</i> (Stevens). <i>Journal of Experimental Marine Biology and Ecology</i> , 1996, 202, 119-136.	1.5	18
90	Foraging behaviour of the hermit crab <i>Clibanarius erythropus</i> in a Mediterranean shore. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2003, 83, 457-461.	0.8	18

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91	Responses of the Crayfish <i>Orconectes Virilis</i> to Chemical Cues Depend upon Flow Conditions. <i>Journal of Crustacean Biology</i> , 2006, 26, 94-98.	0.8	17
92	Who's what? Prompt recognition of social status in crayfish. <i>Behavioral Ecology and Sociobiology</i> , 2012, 66, 785-790.	1.4	17
93	Burrowing activity in the sand-bubbler crab, <i>Dotilla fenestrata</i> (Crustacea, Ocypodidae), inhabiting a mangrove swamp in Kenya. <i>Journal of Zoology</i> , 2001, 253, 211-223.	1.7	16
94	Behavioral Responses to 'Alarm Odors' In Potentially Invasive and Non-invasive Crayfish Species from Aquaculture Ponds. <i>Behaviour</i> , 2004, 141, 691-702.	0.8	16
95	Clustering behaviour in a mediterranean population of the hermit crab, <i>clibanarius erythropus</i> . <i>Ophelia</i> , 2001, 55, 1-10.	0.3	15
96	Resource assessment in hermit crabs: the worth of their own shell. <i>Behavioral Ecology</i> , 2007, 18, 615-620.	2.2	15
97	Behavioural changes induced by ink in <i>aplysia fasciata</i> (Mollusca, Gastropoda): Evidence for a social signal role of inking. <i>Marine and Freshwater Behaviour and Physiology</i> , 1990, 17, 129-135.	0.9	14
98	Shell recruitment in the Mediterranean hermit crab <i>Clibanarius erythropus</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2009, 381, 42-46.	1.5	14
99	Can hermit crabs recognize social partners by odors? And why?. <i>Marine and Freshwater Behaviour and Physiology</i> , 2007, 40, 201-212.	0.9	13
100	Use of natural pyrethrum to control the red swamp crayfish <i>Procambarus clarkii</i> in a rural district of Italy. <i>Pest Management Science</i> , 2012, 68, 839-844.	3.4	13
101	Morphological traits determine the winner of 'asymmetric' fights in hermit crabs. <i>Journal of Experimental Marine Biology and Ecology</i> , 2008, 354, 150-159.	1.5	12
102	Interpreting odours in hermit crabs: A comparative study. <i>Estuarine, Coastal and Shelf Science</i> , 2011, 91, 211-215.	2.1	12
103	Effects of habitat complexity on the aggressive behaviour of the American lobster (<i>Homarus</i>) Tj ETQq1 1 0.784314 rgBT / Overlock 10	1.9	11
104	The past ownership of a resource affects the agonistic behavior of hermit crabs. <i>Behavioral Ecology and Sociobiology</i> , 2007, 61, 1945-1953.	1.4	10
105	Measuring the impact of freshwater NIS: what are we missing?. , 2007, , 437-462.		9
106	Effects of shell status and social context on the agonistic behavior of the tropical hermit crab, <i>Clibanarius signatus</i> . <i>Journal of Ethology</i> , 1996, 14, 111-121.	0.8	6
107	Climate-induced changes in human behavior and range expansion of freshwater species. <i>Ethology Ecology and Evolution</i> , 2014, 26, 86-90.	1.4	6
108	Bivalve or gastropod? Using profitability estimates to predict prey choice by <i>P. clarkii</i> . <i>Acta Ethologica</i> , 2017, 20, 107-117.	0.9	5

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109	Looking for "identity signatures"™ in the American lobster (<i>Homarus americanus</i>): Interindividual variation in body colour and in facial and chelar morphology. Marine Biology Research, 2013, 9, 35-41.	0.7	3
110	Chemical Ecology and Social Behavior of Anomura. , 2010, , 297-312.		2