

Simone Cappello

List of Publications by Year in descending order

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62
papers

2,836
citations

147801

31
h-index

175258

52
g-index

62
all docs

62
docs citations

62
times ranked

3231
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of microbial community changes in petroleum polluted sediments during hydrocarbons degradation. <i>Soil and Sediment Contamination</i> , 2022, 31, 200-219.	1.9	4
2	Biodegradation Potential of Oil-degrading Bacteria Related to the Genus <i>Thalassospira</i> Isolated from Polluted Coastal Area in Mediterranean Sea. <i>Soil and Sediment Contamination</i> , 2022, 31, 316-332.	1.9	6
3	Effect of glyphosate and paraquat on seed germination, amino acids, photosynthetic pigments and plant morphology of <i>Vicia faba</i> , <i>Phaseolus vulgaris</i> and <i>Sorghum bicolor</i> . <i>Environmental Sustainability</i> , 2021, 4, 723-733.	2.8	6
4	New insights into the structure and function of the prokaryotic communities colonizing plastic debris collected in King George Island (Antarctica): Preliminary observations from two plastic fragments. <i>Journal of Hazardous Materials</i> , 2021, 414, 125586.	12.4	23
5	Nanoplastics affect moulting and faecal pellet sinking in Antarctic krill (<i>Euphausia superba</i>) juveniles. <i>Environment International</i> , 2020, 143, 105999.	10.0	56
6	Phenotypic Variations of <i>Oleispira antarctica</i> RB-8(T) in Different Growth Conditions. <i>Current Microbiology</i> , 2020, 77, 3414-3421.	2.2	4
7	Assessing the Effect of Contaminated and Restored Marine Sediments in Different Experimental Mesocosms Using an Integrated Approach and <i>Mytilus galloprovincialis</i> as a Model. <i>Marine Biotechnology</i> , 2020, 22, 411-422.	2.4	2
8	Innovative, ecofriendly biosorbent-biodegrading biofilms for bioremediation of oil- contaminated water. <i>New Biotechnology</i> , 2020, 58, 25-31.	4.4	42
9	Carbonic anhydrase integrated into a multimarker approach for the detection of the stress status induced by pollution exposure in <i>Mytilus galloprovincialis</i> : A field case study. <i>Science of the Total Environment</i> , 2019, 690, 140-150.	8.0	34
10	Biodegradation ability of two selected microbial autochthonous consortia from a chronically polluted marine coastal area (Priolo Gargallo, Italy). <i>Journal of Applied Microbiology</i> , 2019, 127, 618-629.	3.1	8
11	Combining electrokinetic transport and bioremediation for enhanced removal of crude oil from contaminated marine sediments: Results of a long-term, mesocosm-scale experiment. <i>Water Research</i> , 2019, 157, 381-395.	11.3	38
12	Do plastics serve as a possible vector for the spread of antibiotic resistance? First insights from bacteria associated to a polystyrene piece from King George Island (Antarctica). <i>International Journal of Hygiene and Environmental Health</i> , 2019, 222, 89-100.	4.3	135
13	Isolation, characterization and determination of biotechnological potential of oil-degrading bacteria from Algerian centre coast. <i>Journal of Applied Microbiology</i> , 2019, 126, 780-795.	3.1	21
14	Evaluation of biomarkers in <i>Mytilus galloprovincialis</i> as an integrated measure of biofilm-membrane bioreactor (BF-MBR) system efficiency in mitigating the impact of oily wastewater discharge to marine environment: a microcosm approach. <i>Aquatic Toxicology</i> , 2018, 198, 49-62.	4.0	10
15	Microbial communities of polluted sub-surface marine sediments. <i>Marine Pollution Bulletin</i> , 2018, 131, 396-406.	5.0	39
16	Multilevel characterization of marine microbial biodegradation potentiality by means of flow-modulated comprehensive two-dimensional gas chromatography combined with a triple quadrupole mass spectrometer. <i>Journal of Chromatography A</i> , 2018, 1547, 99-106.	3.7	9
17	Effects of microplastics on trophic parameters, abundance and metabolic activities of seawater and fish gut bacteria in mesocosm conditions. <i>Environmental Science and Pollution Research</i> , 2018, 25, 30067-30083.	5.3	35
18	Effects of petrochemical contamination on caged marine mussels using a multi-biomarker approach: Histological changes, neurotoxicity and hypoxic stress. <i>Marine Environmental Research</i> , 2017, 128, 114-123.	2.5	101

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19	Shell fluctuating asymmetry in the sea-dwelling benthic bivalve <i>Mytilus galloprovincialis</i> (Lamarck.) Tj ETQq1 1 0.784314 rgBT /Overlook 26, 396-404.	2.4	31
20	Polycaprolactone-based scaffold for oil-selective sorption and improvement of bacteria activity for bioremediation of polluted water. <i>European Polymer Journal</i> , 2017, 91, 260-273.	5.4	40
21	Comparison the effects of bioaugmentation versus biostimulation on marine microbial community by PCRâ€“DGGE: A mesocosm scale. <i>Journal of Environmental Sciences</i> , 2016, 43, 136-146.	6.1	21
22	Oil-degrading bacteria from a membrane bioreactor (BF-MBR) system for treatment of saline oily waste: Isolation, identification and characterization of the biotechnological potential. <i>International Biodeterioration and Biodegradation</i> , 2016, 110, 235-244.	3.9	49
23	Bioaugmentation strategy employing a microbial consortium immobilized in chitosan beads for oil degradation in mesocosm scale. <i>Marine Pollution Bulletin</i> , 2016, 107, 107-117.	5.0	50
24	Mobility of mercury in contaminated marine sediments: Biogeochemical pathways. <i>Marine Chemistry</i> , 2016, 186, 1-10.	2.3	45
25	In situ detection of <i>alkB2</i> gene involved in <i>Alcanivorax borkumensis</i> SK2T hydrocarbon biodegradation. <i>Marine Pollution Bulletin</i> , 2016, 110, 378-382.	5.0	9
26	Genome sequence of obligate marine polycyclic aromatic hydrocarbons-degrading bacterium <i>Cycloclasticus</i> sp. 78-ME, isolated from petroleum deposits of the sunken tanker Amoco Milford Haven , Mediterranean Sea. <i>Marine Genomics</i> , 2016, 25, 11-13.	1.1	37
27	Biodegradation potentiality of psychrophilic bacterial strain <i>Oleispira antarctica</i> RB-8 T. <i>Marine Pollution Bulletin</i> , 2016, 105, 125-130.	5.0	23
28	Metaproteomics and metabolomics analyses of chronically petroleumâ€“polluted sites reveal the importance of general anaerobic processes uncoupled with degradation. <i>Proteomics</i> , 2015, 15, 3508-3520.	2.2	58
29	Cultivation and Preservation of Hydrocarbonoclastic Microorganisms, Particularly <i>Cycloclasticus</i> Species. <i>Springer Protocols</i> , 2015, , 79-93.	0.3	2
30	1,2,3-Triazole/MWCNT conjugates as filler for gelcoat nanocomposites: new active antibiofouling coatings for marine application. <i>Materials Research Express</i> , 2015, 2, 115001.	1.6	11
31	Biodegradation of crude oil by individual bacterial strains and a mixed bacterial consortium. <i>Brazilian Journal of Microbiology</i> , 2015, 46, 377-387.	2.0	79
32	Bacterial population and biodegradation potential in chronically crude oil-contaminated marine sediments are strongly linked to temperature. <i>Scientific Reports</i> , 2015, 5, 11651.	3.3	91
33	Intrinsic bioremediation potential of a chronically polluted marine coastal area. <i>Marine Pollution Bulletin</i> , 2015, 99, 138-149.	5.0	54
34	The â€œSYSTEMS BIOLOGYâ€“in the study of xenobiotic effects on marine organisms for evaluation of the environmental health status: biotechnological applications for potential recovery strategies. <i>Reviews in Environmental Science and Biotechnology</i> , 2015, 14, 339-345.	8.1	34
35	Immobilization of Microbes for Bioremediation of Crude Oil Polluted Environments: A Mini Review. <i>Open Microbiology Journal</i> , 2015, 9, 48-54.	0.7	142
36	Bioremediation of oil polluted marine sediments: A bio-engineering treatment. <i>International Microbiology</i> , 2015, 18, 127-34.	2.4	15

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37	Quick stimulation of <i>Alcanivorax</i> sp. by bioemulsificant EPS2003 on microcosm oil spill simulation. <i>Brazilian Journal of Microbiology</i> , 2014, 45, 1317-1323.	2.0	11
38	Effective bioremediation strategy for rapid in situ cleanup of anoxic marine sediments in mesocosm oil spill simulation. <i>Frontiers in Microbiology</i> , 2014, 5, 162.	3.5	62
39	Bioremediation (bioaugmentation/biostimulation) trials of oil polluted seawater: A mesocosm simulation study. <i>Marine Environmental Research</i> , 2014, 95, 28-38.	2.5	103
40	Using Real-time PCR to assess changes in the crude oil degrading microbial community in contaminated seawater mesocosms. <i>International Biodeterioration and Biodegradation</i> , 2014, 93, 241-248.	3.9	32
41	Biogenic Nanopalladium Based Remediation of Chlorinated Hydrocarbons in Marine Environments. <i>Environmental Science & Technology</i> , 2014, 48, 550-557.	10.0	35
42	Presence of hydrocarbon-degrading bacteria in the gills of mussel <i>Mytilus galloprovincialis</i> in a contaminated environment: a mesoscale simulation study. <i>Chemistry and Ecology</i> , 2012, 28, 239-252.	1.6	16
43	Effect of bioemulsificant exopolysaccharide (EPS2003) on microbial community dynamics during assays of oil spill bioremediation: A microcosm study. <i>Marine Pollution Bulletin</i> , 2012, 64, 2820-2828.	5.0	42
44	Characterisation of Oil-Degrading Bacteria Isolated from Bilge Water. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 3219-3226.	2.4	33
45	Composition and dynamics of biostimulated indigenous oil-degrading microbial consortia from the Irish, North and Mediterranean Seas: a mesocosm study. <i>FEMS Microbiology Ecology</i> , 2012, 81, 520-536.	2.7	29
46	Modulation of CYP1A and genotoxic effects in European seabass (<i>Dicentrarchus labrax</i>) exposed to weathered oil: A mesocosm study. <i>Marine Environmental Research</i> , 2012, 76, 48-55.	2.5	26
47	Isolation and characterization of crude-oil-degrading bacteria from the Persian Gulf and the Caspian Sea. <i>Marine Pollution Bulletin</i> , 2012, 64, 7-12.	5.0	228
48	Isolation and characterization of two crude oil-degrading yeast strains, <i>Yarrowia lipolytica</i> PG-20 and PG-32, from the Persian Gulf. <i>Marine Pollution Bulletin</i> , 2012, 64, 1386-1391.	5.0	101
49	Comparison of 16SrDNA and <i>toxR</i> genes as targets for detection of <i>Vibrio anguillarum</i> in <i>Dicentrarchus labrax</i> kidney and liver. <i>Research in Microbiology</i> , 2011, 162, 223-230.	2.1	22
50	Comparison of Oil Degrading Microbial Communities in Sediments from the Persian Gulf and Caspian Sea. <i>Soil and Sediment Contamination</i> , 2010, 19, 277-291.	1.9	49
51	<i>Alcanivorax</i> . , 2010, , 1737-1748.		7
52	Persistence of <i>Alteromonas</i> genus during a long-term starvation in a marine microcosm. <i>Annals of Microbiology</i> , 2008, 58, 15-20.	2.6	7
53	Bioremediation of benzene, toluene, ethylbenzene, xylenes-contaminated soil: a biopile pilot experiment. <i>Journal of Applied Microbiology</i> , 2008, 105, 1694-1702.	3.1	27
54	Microbial community dynamics during assays of harbour oil spill bioremediation: a microscale simulation study. <i>Journal of Applied Microbiology</i> , 2007, 102, 184-194.	3.1	127

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55	Predominant growth of <i>Alcanivorax</i> during experiments on "oil spill bioremediation" in mesocosms. <i>Microbiological Research</i> , 2007, 162, 185-190.	5.3	136
56	Phylogenetic survey of metabolically active microbial communities associated with the deep-sea coral <i>Lophelia pertusa</i> from the Apulian plateau, Central Mediterranean Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2006, 53, 62-75.	1.4	96
57	Effects of growth temperature on polystyrene adhesion of <i>Pseudomonas aeruginosa</i> ATCC 27853. <i>Brazilian Journal of Microbiology</i> , 2006, 37, 205-207.	2.0	19
58	Effects of growth temperature on the adhesion of <i>Pseudomonas aeruginosa</i> ATCC 27853 to polystyrene. <i>Annals of Microbiology</i> , 2006, 56, 383-385.	2.6	4
59	Natural microbial diversity in superficial sediments of Milazzo Harbor (Sicily) and community successions during microcosm enrichment with various hydrocarbons. <i>Environmental Microbiology</i> , 2005, 7, 1426-1441.	3.8	194
60	Daily bacterioplankton dynamics in a sub-Saharan estuary (Senegal River, West Africa): a mesocosm study. <i>Aquatic Microbial Ecology</i> , 2005, 40, 13-24.	1.8	32
61	Crude oil-induced structural shift of coastal bacterial communities of rod bay (Terra Nova Bay, Ross) <small>Tj ETQq1 1 0.784314 rgBT /Overl</small> <i>Microbiology Ecology</i> , 2004, 49, 419-419.	2.7	2
62	Morphologic variations in bacteria under stress conditions: Near-field optical studies. <i>Scanning</i> , 2002, 24, 274-283.	1.5	32