Simone Cappello

List of Publications by Year
in descending order

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Version: 2024-02-01

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	Isolation and characterization of crude-oil-degrading bacteria from the Persian Gulf and the Caspian Sea. Marine Pollution Bulletin, 2012, 64, 7-12.	5.0	228
2	Natural microbial diversity in superficial sediments of Milazzo Harbor (Sicily) and community successions during microcosm enrichment with various hydrocarbons. Environmental Microbiology, 2005, 7, 1426-1441.	3.8	194
3	Immobilization of Microbes for Bioremediation of Crude Oil Polluted Environments: A Mini Review. Open Microbiology Journal, 2015, 9, 48-54.	0.7	142
4	Predominant growth of Alcanivorax during experiments on â€œoil spill bioremediationâ€•in mesocosms. Microbiological Research, 2007, 162, 185-190.	5.3	136
5	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). International Journal of Hygiene and Environmental Health, 2019, 222, 89-100.	4.3	135
6	Microbial community dynamics during assays of harbour oil spill bioremediation: a microscale simulation study. Journal of Applied Microbiology, 2007, 102, 184-194.	3.1	127
7	Bioremediation (bioaugmentation/biostimulation) trials of oil polluted seawater: A mesocosm simulation study. Marine Environmental Research, 2014, 95, 28-38.	2.5	103
8	Isolation and characterization of two crude oil-degrading yeast strains, Yarrowia lipolytica PG-20 and PG-32, from the Persian Gulf. Marine Pollution Bulletin, 2012, 64, 1386-1391.	5.0	101
9	Effects of petrochemical contamination on caged marine mussels using a multi-biomarker approach: Histological changes, neurotoxicity and hypoxic stress. Marine Environmental Research, 2017, 128, 114-123.	2.5	101
10	Phylogenetic survey of metabolically active microbial communities associated with the deep-sea coral Lophelia pertusa from the Apulian plateau, Central Mediterranean Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2006, 53, 62-75.	1.4	96
11	Bacterial population and biodegradation potential in chronically crude oil-contaminated marine sediments are strongly linked to temperature. Scientific Reports, 2015, 5, 11651.	3.3	91
12	Biodegradation of crude oil by individual bacterial strains and a mixed bacterial consortium. Brazilian Journal of Microbiology, 2015, 46, 377-387.	2.0	79
13	Effective bioremediation strategy for rapid in situ cleanup of anoxic marine sediments in mesocosm oil spill simulation. Frontiers in Microbiology, 2014, 5, 162.	3.5	62
14	Metaproteomics and metabolomics analyses of chronically petroleumâ€polluted sites reveal the importance of general anaerobic processes uncoupled with degradation. Proteomics, 2015, 15, 3508-3520.	2.2	58
15	Nanoplastics affect moulting and faecal pellet sinking in Antarctic krill (Euphausia superba) juveniles. Environment International, 2020, 143, 105999.	10.0	56
16	Intrinsic bioremediation potential of a chronically polluted marine coastal area. Marine Pollution Bulletin, 2015, 99, 138-149.	5.0	54
17	Bioaugmentation strategy employing a microbial consortium immobilized in chitosan beads for oil degradation in mesocosm scale. Marine Pollution Bulletin, 2016, 107, 107-117.	5.0	50
18	Comparison of Oil Degrading Microbial Communities in Sediments from the Persian Gulf and Caspian Sea. Soil and Sediment Contamination, 2010, 19, 277-291.	1.9	49

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19	Oil-degrading bacteria from a membrane bioreactor (BF-MBR) system for treatment of saline oily waste: Isolation, identification and characterization of the biotechnological potential. International Biodeterioration and Biodegradation, 2016, 110, 235-244.	3.9	49
20	Mobility of mercury in contaminated marine sediments: Biogeochemical pathways. Marine Chemistry, 2016, 186, 1-10.	2.3	45
21	Effect of bioemulsificant exopolysaccharide (EPS2003) on microbial community dynamics during assays of oil spill bioremediation: A microcosm study. Marine Pollution Bulletin, 2012, 64, 2820-2828.	5.0	42
22	Innovative, ecofriendly biosorbent-biodegrading biofilms for bioremediation of oil- contaminated water. New Biotechnology, 2020, 58, 25-31.	4.4	42
23	Polycaprolactone-based scaffold for oil-selective sorption and improvement of bacteria activity for bioremediation of polluted water. European Polymer Journal, 2017, 91, 260-273.	5.4	40
24	Microbial communities of polluted sub-surface marine sediments. Marine Pollution Bulletin, 2018, 131, 396-406.	5.0	39
25	Combining electrokinetic transport and bioremediation for enhanced removal of crude oil from contaminated marine sediments: Results of a long-term, mesocosm-scale experiment. Water Research, 2019, 157, 381-395.	11.3	38
26	Genome sequence of obligate marine polycyclic aromatic hydrocarbons-degrading bacterium Cycloclasticus sp. 78-ME, isolated from petroleum deposits of the sunken tanker Amoco Milford Haven , Mediterranean Sea. Marine Genomics, 2016, 25, 11-13.	1.1	37
27	Biogenic Nanopalladium Based Remediation of Chlorinated Hydrocarbons in Marine Environments. Environmental Science & Technology, 2014, 48, 550-557.	10.0	35
28	Effects of microplastics on trophic parameters, abundance and metabolic activities of seawater and fish gut bacteria in mesocosm conditions. Environmental Science and Pollution Research, 2018, 25, 30067-30083.	5.3	35
29	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. Reviews in Environmental Science and Biotechnology, 2015, 14, 339-345.	8.1	34
30	Carbonic anhydrase integrated into a multimarker approach for the detection of the stress status induced by pollution exposure in Mytilus galloprovincialis: A field case study. Science of the Total Environment, 2019, 690, 140-150.	8.0	34
31	Characterisation of Oil-Degrading Bacteria Isolated from Bilge Water. Water, Air, and Soil Pollution, 2012, 223, 3219-3226.	2.4	33
32	Morphologic variations in bacteria under stress conditions: Nearâ€•field optical studies. Scanning, 2002, 24, 274-283.	1.5	32
33	Using Real-time PCR to assess changes in the crude oil degrading microbial community in contaminated seawater mesocosms. International Biodeterioration and Biodegradation, 2014, 93, 241-248.	3.9	32
34	Daily bacterioplankton dynamics in a sub-Saharan estuary (Senegal River, West Africa): a mesocosm study. Aquatic Microbial Ecology, 2005, 40, 13-24.	1.8	32
35	Shell fluctuating asymmetry in the sea-dwelling benthic bivalve Mytilus galloprovincialis (Lamarck,) Tj ETQq1 1 0.784314 rgBT /Overlo 26, 396-404.	2.4	31
36	Composition and dynamics of biostimulated indigenous oil-degrading microbial consortia from the Irish, North and Mediterranean Seas: a mesocosm study. FEMS Microbiology Ecology, 2012, 81, 520-536.	2.7	29

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37	Bioremediation of benzene, toluene, ethylbenzene, xylenes-contaminated soil: a biopile pilot experiment. Journal of Applied Microbiology, 2008, 105, 1694-1702.	3.1	27
38	Modulation of CYP1A and genotoxic effects in European seabass (Dicentrarchus labrax) exposed to weathered oil: A mesocosm study. Marine Environmental Research, 2012, 76, 48-55.	2.5	26
39	Biodegradation potentiality of psychrophilic bacterial strain Oleispira antarctica RB-8 T. Marine Pollution Bulletin, 2016, 105, 125-130.	5.0	23
40	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. Journal of Hazardous Materials, 2021, 414, 125586.	12.4	23
41	Comparison of 16SrDNA and toxR genes as targets for detection of Vibrio anguillarum in Dicentrarchus labrax kidney and liver. Research in Microbiology, 2011, 162, 223-230.	2.1	22
42	Comparison the effects of bioaugmentation versus biostimulation on marine microbial community by PCRâ€“DGGE: A mesocosm scale. Journal of Environmental Sciences, 2016, 43, 136-146.	6.1	21
43	Isolation, characterization and determination of biotechnological potential of oil-degrading bacteria from Algerian centre coast. Journal of Applied Microbiology, 2019, 126, 780-795.	3.1	21
44	Effects of growth temperature on polystyrene adhesion of Pseudomonas aeruginosa ATCC 27853. Brazilian Journal of Microbiology, 2006, 37, 205-207.	2.0	19
45	Presence of hydrocarbon-degrading bacteria in the gills of musselMytilus galloprovincialisin a contaminated environment: a mesoscale simulation study. Chemistry and Ecology, 2012, 28, 239-252.	1.6	16
46	Bioremediation of oil polluted marine sediments: A bio-engineering treatment. International Microbiology, 2015, 18, 127-34.	2.4	15
47	Quick stimulation of Alcanivorax sp. by bioemulsificant EPS2003 on microcosm oil spill simulation. Brazilian Journal of Microbiology, 2014, 45, 1317-1323.	2.0	11
48	1,2,3-Triazole/MWCNT conjugates as filler for gelcoat nanocomposites: new active antibiofouling coatings for marine application. Materials Research Express, 2015, 2, 115001.	1.6	11
49	Evaluation of biomarkers in Mytilus galloprovincialis 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. Aquatic Toxicology, 2018, 198, 49-62.	4.0	10
50	In situ detection of alkB2 gene involved in Alcanivorax borkumensis SK2T hydrocarbon biodegradation. Marine Pollution Bulletin, 2016, 110, 378-382.	5.0	9
51	Multilevel characterization of marine microbial biodegradation potentiality by means of flow-modulated comprehensive two-dimensional gas chromatography combined with a triple quadrupole mass spectrometer. Journal of Chromatography A, 2018, 1547, 99-106.	3.7	9
52	Biodegradation ability of two selected microbial autochthonous consortia from a chronically polluted marine coastal area (Priolo Gargallo, Italy). Journal of Applied Microbiology, 2019, 127, 618-629.	3.1	8
53	Persistence ofAlteromonas genus during a long-term starvation in a marine microcosm. Annals of Microbiology, 2008, 58, 15-20.	2.6	7
54	Alcanivorax. , 2010, , 1737-1748.		7

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55	Effect of glyphosate and paraquat on seed germination, amino acids, photosynthetic pigments and plant morphology of Vicia faba, Phaseolus vulgaris and Sorghum bicolor. Environmental Sustainability, 2021, 4, 723-733.	2.8	6
56	Biodegradation Potential of Oil-degrading Bacteria Related to the Genus Thalassospira Isolated from Polluted Coastal Area in Mediterranean Sea. Soil and Sediment Contamination, 2022, 31, 316-332.	1.9	6
57	Effects of growth temperature on the adhesion ofPseudomonas aeruginosa ATCC 27853 to polystyrene. Annals of Microbiology, 2006, 56, 383-385.	2.6	4
58	Phenotypic Variations of Oleispira antarctica RB-8(T) in Different Growth Conditions. Current Microbiology, 2020, 77, 3414-3421.	2.2	4
59	Investigation of microbial community changes in petroleum polluted sediments during hydrocarbons degradation. Soil and Sediment Contamination, 2022, 31, 200-219.	1.9	4
60	Crude oil-induced structural shift of coastal bacterial communities of rod bay (Terra Nova Bay, Ross) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Microbiology Ecology, 2004, 49, 419-419.	2.7	2
61	Cultivation and Preservation of Hydrocarbonoclastic Microorganisms, Particularly Cycloclasticus Species. Springer Protocols, 2015, , 79-93.	0.3	2
62	Assessing the Effect of Contaminated and Restored Marine Sediments in Different Experimental Mesocosms Using an Integrated Approach and Mytilus galloprovincialis as a Model. Marine Biotechnology, 2020, 22, 411-422.	2.4	2