Fabio Fava

List of Publications by Year
in descending order

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174	8,294	38742 50	62596 80
papers	citations	h-index	g-index

175	175	175	10090
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Emerging pollutants in the environment: present and future challenges in biomonitoring, ecological risks and bioremediation. New Biotechnology, 2015, 32, 147-156.	4.4	850
2	Biotechnological applications of extremophiles, extremozymes and extremolytes. Applied Microbiology and Biotechnology, 2015, 99, 7907-7913.	3.6	196
3	Microplastics Generation: Onset of Fragmentation of Polyethylene Films in Marine Environment Mesocosms. Frontiers in Marine Science, 2017, 4, .	2.5	189
4	Biowaste biorefinery in Europe: opportunities and research & development needs. New Biotechnology, 2015, 32, 100-108.	4.4	162
5	Valorisation of agroâ€industrial byâ€products, effluents and waste: concept, opportunities and the case of olive mill wastewaters. Journal of Chemical Technology and Biotechnology, 2009, 84, 895-900.	3.2	161
6	The path to next generation biofuels: successes and challenges in the era of synthetic biology. Microbial Cell Factories, 2010, 9, 3.	4.0	154
7	A review on slurry bioreactors for bioremediation of soils and sediments. Microbial Cell Factories, 2008, 7, 5.	4.0	153
8	Polyvinyl chloride biodegradation by Pseudomonas citronellolis and Bacillus flexus. New Biotechnology, 2019, 52, 35-41.	4.4	147
9	Biodegradation of oil-based plastics in the environment: Existing knowledge and needs of research and innovation. Science of the Total Environment, 2019, 679, 148-158.	8.0	143
10	Recovery of high added value natural polyphenols from actual olive mill wastewater through solid phase extraction. Chemical Engineering Journal, 2011, 171, 1287-1293.	12.7	130
11	Environmental conditions and community evenness determine the outcome of biological invasion. Nature Communications, 2013, 4, 1383.	12.8	129
12	Vanillin production using metabolically engineered Escherichia coli under non-growing conditions. Microbial Cell Factories, 2007, 6, 13.	4.0	126
13	Biodegradation of weathered polystyrene films in seawater microcosms. Scientific Reports, 2017, 7, 17991.	3.3	121
14	Towards multi-purpose biorefinery platforms for the valorisation of red grape pomace: production of polyphenols, volatile fatty acids, polyhydroxyalkanoates and biogas. Green Chemistry, 2016, 18, 261-270.	9.0	110
15	Metabolic engineering of Pseudomonas fluorescens for the production of vanillin from ferulic acid. Journal of Biotechnology, 2011, 156, 309-316.	3.8	108
16	Microbial dehalogenation of organohalides in marine and estuarine environments. Current Opinion in Biotechnology, 2015, 33, 287-295.	6.6	99
17	In situ groundwater and sediment bioremediation: barriers and perspectives at European contaminated sites. New Biotechnology, 2015, 32, 133-146.	4.4	95
18	Biodegradation of mixture of plastic films by tailored marine consortia. Journal of Hazardous Materials, 2019, 375, 33-42.	12.4	91

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19	Effects of humic substances on the bioavailability and aerobic biodegradation of polychlorinated biphenyls in a model soil. Biotechnology and Bioengineering, 2002, 77, 204-211.	3.3	84
20	Influence of chemical and architectural modifications on the enzymatic hydrolysis of poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	9.0	84
21	Olive mill wastewater valorisation through phenolic compounds adsorption in a continuous flow column. Chemical Engineering Journal, 2016, 283, 293-303.	12.7	84
22	Development of tailored indigenous marine consortia for the degradation of naturally weathered polyethylene films. PLoS ONE, 2017, 12, e0183984.	2.5	82
23	Methyl-?-cyclodextrin-enhanced solubilization and aerobic biodegradation of polychlorinated biphenyls in two aged-contaminated soils. Biotechnology and Bioengineering, 2003, 81, 381-390.	3.3	81
24	Isolation and characterisation of polychlorinated biphenyl (PCB) degrading fungi from a historically contaminated soil. Microbial Cell Factories, 2009, 8, 5.	4.0	79
25	Microbial colonization of different microplastic types and biotransformation of sorbed PCBs by a marine anaerobic bacterial community. Science of the Total Environment, 2020, 705, 135790.	8.0	79
26	Cheese whey integrated valorisation: Production, concentration and exploitation of carboxylic acids for the production of polyhydroxyalkanoates by a fed-batch culture. Chemical Engineering Journal, 2018, 336, 47-53.	12.7	78
27	Anaerobic acidogenic digestion of olive mill wastewaters in biofilm reactors packed with ceramic filters or granular activated carbon. Water Research, 2010, 44, 4537-4549.	11.3	75
28	Pseudomonas rhizophila S211, a New Plant Growth-Promoting Rhizobacterium with Potential in Pesticide-Bioremediation. Frontiers in Microbiology, 2018, 9, 34.	3.5	74
29	PLA-Based Mineral-Doped Scaffolds Seeded with Human Periapical Cyst-Derived MSCs: A Promising Tool for Regenerative Healing in Dentistry. Materials, 2019, 12, 597.	2.9	74
30	Volatile fatty acids recovery from the effluent of an acidogenic digestion process fed with grape pomace by adsorption on ion exchange resins. Chemical Engineering Journal, 2016, 306, 629-639.	12.7	73
31	A physicochemicalâ€“biotechnological approach for an integrated valorization of olive mill wastewater. Bioresource Technology, 2011, 102, 10273-10279.	9.6	71
32	Recovery of low molecular weight phenols through solid-phase extraction. Chemical Engineering Journal, 2011, 166, 994-1001.	12.7	68
33	Cyclodextrin effects on theex-situ bioremediation of a chronically polychlorobiphenyl-contaminated soil. , 1998, 58, 345-355.		65
34	Recovery of polyphenols from red grape pomace and assessment of their antioxidant and anti-cholesterol activities. New Biotechnology, 2016, 33, 338-344.	4.4	65
35	Biodegradation of polyvinyl chloride plastic films by enriched anaerobic marine consortia. Marine Environmental Research, 2020, 158, 104949.	2.5	65
36	A Chloroflexi bacterium dechlorinates polychlorinated biphenyls in marine sediments under in situ-like biogeochemical conditions. Journal of Hazardous Materials, 2012, 209-210, 449-457.	12.4	64

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37	Effect of hydraulic retention time on biohydrogen and volatile fatty acids production during acidogenic digestion of dephenolized olive mill wastewaters. Biomass and Bioenergy, 2013, 48, 51-58.	5.7	64
38	Effects of humic substances and soya lecithin on the aerobic bioremediation of a soil historically contaminated by polycyclic aromatic hydrocarbons (PAHs). Biotechnology and Bioengineering, 2004, 88, 214-223.	3.3	63
39	Deterioration of irradiation/high-temperature pretreated, linear low-density polyethylene (LLDPE) by Bacillus amyloliquefaciens. International Biodeterioration and Biodegradation, 2018, 132, 259-267.	3.9	62
40	Halo-alkalitolerant and thermostable cellulases with improved tolerance to ionic liquids and organic solvents from Paenibacillus tarimensis isolated from the Chott El Fejej, Sahara desert, Tunisia. Bioresource Technology, 2013, 150, 121-128.	9.6	60
41	Characterization of two diesel fuel degrading microbial consortia enriched from a non acclimated, complex source of microorganisms. Microbial Cell Factories, 2010, 9, 10.	4.0	59
42	Environmentally friendly PBS-based copolyesters containing PEG-like subunit: Effect of block length on solid-state properties and enzymatic degradation. Reactive and Functional Polymers, 2013, 73, 764-771.	4.1	59
43	Aerobic degradation and dechlorination of 2â€“chlorophenol, 3-chlorophenol and 4-chlorophenol by a Pseudomonas pickettii strain. Letters in Applied Microbiology, 1995, 21, 307-312.	2.2	58
44	Polylactic acid-based porous scaffolds doped with calcium silicate and dicalcium phosphate dihydrate designed for biomedical application. Materials Science and Engineering C, 2018, 82, 163-181.	7.3	58
45	Anaerobic digestion of olive mill wastewaters in biofilm reactors packed with granular activated carbon and â€œManvilleâ€•silica beads. Water Research, 2004, 38, 3167-3178.	11.3	57
46	Development of a biofilm technology for the production of 1,3-propanediol (1,3-PDO) from crude glycerol. Biochemical Engineering Journal, 2012, 64, 84-90.	3.6	55
47	Effect of Operational Parameters in the Continuous Anaerobic Fermentation of Cheese Whey on Titers, Yields, Productivities, and Microbial Community Structures. ACS Sustainable Chemistry and Engineering, 2017, 5, 1400-1407.	6.7	55
48	White grape pomace extracts, obtained by a sequential enzymatic plus ethanol-based extraction, exert antioxidant, anti-tyrosinase and anti-inflammatory activities. New Biotechnology, 2017, 39, 51-58.	4.4	55
49	Production of biovanillin from wheat bran. Enzyme and Microbial Technology, 2007, 41, 498-505.	3.2	54
50	Effects of Triton X-100 and Quillaya Saponin on the ex situ bioremediation of a chronically polychlorobiphenyl-contaminated soil. Applied Microbiology and Biotechnology, 1998, 50, 623-630.	3.6	52
51	New advances in the integrated management of food processing by-products in Europe: sustainable exploitation of fruit and cereal processing by-products with the production of new food products (NAMASTE EU). New Biotechnology, 2013, 30, 647-655.	4.4	52
52	Mineral-Doped Poly(L-lactide) Acid Scaffolds Enriched with Exosomes Improve Osteogenic Commitment of Human Adipose-Derived Mesenchymal Stem Cells. Nanomaterials, 2020, 10, 432.	4.1	52
53	Antibacterial effectiveness of dentin bonding systems. Dental Materials, 1993, 9, 338-343.	3.5	51
54	Innovative two-stage anaerobic process for effective codigestion of cheese whey and cattle manure. Bioresource Technology, 2013, 128, 779-783.	9.6	51

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55	Enhanced biodegradation of transformer oil in soils with cyclodextrin ? from the laboratory to the field. Biodegradation, 2005, 16, 159-168.	3.0	49
56	High impact biowastes from South European agro-industries as feedstock for second-generation biorefineries. Critical Reviews in Biotechnology, 2016, 36, 175-189.	9.0	49
57	Structures of Homologous Composite Transposons Carrying cbaABC Genes from Europe and North America. Applied and Environmental Microbiology, 1998, 64, 1940-1946.	3.1	49
58	Effect of yeast extract on growth kinetics during aerobic biodegradation of chlorobenzoic acids. Biotechnology and Bioengineering, 1995, 47, 227-233.	3.3	48
59	The role of environmental biotechnology in exploring, exploiting, monitoring, preserving, protecting and decontaminating the marine environment. New Biotechnology, 2015, 32, 157-167.	4.4	48
60	Highly porous polycaprolactone scaffolds doped with calcium silicate and dicalcium phosphate dihydrate designed for bone regeneration. Materials Science and Engineering C, 2019, 102, 341-361.	7.3	47
61	Removal of organic xenobiotics in activated sludges under aerobic conditions and anaerobic digestion of the adsorbed species. Journal of Chemical Technology and Biotechnology, 2006, 81, 1496-1505.	3.2	46
62	Influence of organic and inorganic growth supplements on the aerobic biodegradation of chlorobenzoic acids. Applied Microbiology and Biotechnology, 1995, 43, 171-177.	3.6	45
63	Genotoxicity of 4-nonylphenol and nonylphenol ethoxylate mixtures by the use of Saccharomyces cerevisiae D7 mutation assay and use of this text to evaluate the efficiency of biodegradation treatments. Ecotoxicology and Environmental Safety, 2011, 74, 253-258.	6.0	44
64	Biodegradation of hydroxylated and methoxylated benzoic, phenylacetic and phenylpropenoic acids present in olive mill wastewaters by two bacterial strains. Research in Microbiology, 2001, 152, 83-93.	2.1	43
65	Characterization of four olive-mill-wastewater indigenous bacterial strains capable of aerobically degrading hydroxylated and methoxylated monocyclic aromatic compounds. Archives of Microbiology, 2002, 178, 208-217.	2.2	43
66	Effects of randomly methylated- Î² -cyclodextrins (RAMEB) on the bioavailability and aerobic biodegradation of polychlorinated biphenyls in three pristine soils spiked with a transformer oil. Applied Microbiology and Biotechnology, 2002, 58, 393-399.	3.6	43
67	Characterization of the microbial community from the marine sediment of the Venice lagoon capable of reductive dechlorination of coplanar polychlorinated biphenyls (PCBs). Journal of Hazardous Materials, 2010, 178, 417-426.	12.4	43
68	Production of polyhydroxyalkanoates from dephenolised and fermented olive mill wastewaters by employing a pure culture of Cupriavidus necator. Biochemical Engineering Journal, 2015, 97, 92-100.	3.6	42
69	The Need of Multidisciplinary Approaches and Engineering Tools for the Development and Implementation of the Smart City Paradigm. Proceedings of the IEEE, 2018, 106, 738-760.	21.3	42
70	Membrane-based solvent extraction of vanillin in hollow fiber contactors. Desalination, 2009, 241, 357-364.	8.2	41
71	Enhancement of microbial reductive dechlorination of polychlorinated biphenyls (PCBs) in a marine sediment by nanoscale zerovalent iron (NZVI) particles. Journal of Chemical Technology and Biotechnology, 2012, 87, 1246-1253.	3.2	41
72	Degradation and mineralization of 3-chlorobiphenyl by a mixed aerobic bacterial culture. Applied Microbiology and Biotechnology, 1991, 36, 240-245.	3.6	40

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73	Soya lecithin effects on the aerobic biodegradation of polychlorinated biphenyls in an artificially contaminated soil. Biotechnology and Bioengineering, 2001, 72, 177-184.	3.3	40
74	Performances and microbial features of a granular activated carbon packed-bed biofilm reactor capable of an efficient anaerobic digestion of olive mill wastewaters. FEMS Microbiology Ecology, 2004, 48, 413-423.	2.7	40
75	Effects of cyclodextrins, humic substances, and rhamnolipids on the washing of a historically contaminated soil and on the aerobic bioremediation of the resulting effluents. Biotechnology and Bioengineering, 2004, 88, 111-120.	3.3	40
76	Electrochemical stimulation of microbial cis-dichloroethene (cis-DCE) oxidation by an ethene-assimilating culture. New Biotechnology, 2013, 30, 749-755.	4.4	40
77	Use of exogenous specialised bacteria in the biological detoxification of a dump site-polychlorobiphenyl-contaminated soil in slurry phase conditions. Biotechnology and Bioengineering, 1999, 64, 240-249.	3.3	39
78	Microbial reductive dechlorination of pre-existing PCBs and spiked 2,3,4,5,6-pentachlorobiphenyl in anaerobic slurries of a contaminated sediment of Venice Lagoon (Italy). FEMS Microbiology Ecology, 2003, 44, 309-318.	2.7	39
79	Intensification of the aerobic bioremediation of an actual site soil historically contaminated by polychlorinated biphenyls (PCBs) through bioaugmentation with a non acclimated, complex source of microorganisms. Microbial Cell Factories, 2006, 5, 11.	4.0	38
80	Anaerobic biodegradation of weathered polychlorinated biphenyls (PCBs) in contaminated sediments of Porto Marghera (Venice Lagoon, Italy). Chemosphere, 2003, 53, 101-109.	8.2	37
81	Increasing the large scale feasibility of a solid phase extraction procedure for the recovery of natural antioxidants from olive mill wastewaters. Chemical Engineering Journal, 2012, 198-199, 103-109.	12.7	37
82	Bioaugmentation of a historically contaminated soil by polychlorinated biphenyls with Lentinus tigrinus. Microbial Cell Factories, 2012, 11, 35.	4.0	36
83	Aerobic mineralization of chlorobenzoates by a natural polychlorinated biphenyl-degrading mixed bacterial culture. Applied Microbiology and Biotechnology, 1993, 40, 541-548.	3.6	35
84	Biodegradation of synthetic and naturally occurring mixtures of mono-cyclic aromatic compounds present in olive mill wastewaters by two aerobic bacteria. Applied Microbiology and Biotechnology, 2001, 55, 619-626.	3.6	35
85	Aggregation-based cooperation during bacterial aerobic degradation of polyethoxylated nonylphenols. Research in Microbiology, 2004, 155, 761-769.	2.1	35
86	Selective extraction and purification of gallic acid from actual site olive mill wastewaters by means of molecularly imprinted microparticles. Chemical Engineering Journal, 2012, 198-199, 529-535.	12.7	35
87	The role of biotechnology in the transition from plastics to bioplastics: an opportunity to reconnect global growth with sustainability. FEBS Open Bio, 2021, 11, 967-983.	2.3	35
88	Growth of Rhodosporidium toruloides Strain DBVPG 6662 on Dibenzothiophene Crystals and Orimulsion. Applied and Environmental Microbiology, 2003, 69, 4689-4696.	3.1	34
89	Microbial processes associated to the decontamination and detoxification of a polluted activated sludge during its anaerobic stabilization. Water Research, 2007, 41, 2407-2416.	11.3	34
90	Acclimation of an anaerobic consortium capable of effective biomethanization of mechanicallyâ€sorted organic fraction of municipal solid waste through a semiâ€continuous enrichment procedure. Journal of Chemical Technology and Biotechnology, 2012, 87, 1312-1319.	3.2	34

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91	Potential use of ricotta cheese whey for the production of lactobionic acid by Pseudomonas taetrolens strains. New Biotechnology, 2018, 42, 71-76.	4.4	34
92	Role of the reactor configuration in the biological detoxification of a dump site-polychlorobiphenyl-contaminated soil in lab-scale slurry phase conditions. Applied Microbiology and Biotechnology, 2000, 53, 243-248.	3.6	32
93	An aerobic fixed-phase biofilm reactor system for the degradation of the low-molecular weight aromatic compounds occurring in the effluents of anaerobic digestors treating olive mill wastewaters. Journal of Biotechnology, 2001, 87, 161-177.	3.8	32
94	Enzymatic hydrolysis studies on novel eco-friendly aliphatic thiocopolyesters. Polymer Degradation and Stability, 2013, 98, 934-942.	5.8	32
95	Bioremediation of Southern Mediterranean oil polluted sites comes of age. New Biotechnology, 2013, 30, 743-748.	4.4	32
96	Marinobacter sp. from marine sediments produce highly stable surface-active agents for combatting marine oil spills. Microbial Cell Factories, 2017, 16, 186.	4.0	32
97	Enzymatic Degradation of the Most Common Aliphatic Bio-Polyesters and Evaluation of the Mechanisms Involved: An Extended Study. Polymers, 2022, 14, 1850.	4.5	32
98	Characterization of a pigment produced by Pseudomonas fluorescens during 3-chlorobenzoate co-metabolism. Chemosphere, 1993, 27, 825-835.	8.2	31
99	Acclimation to hypoxia in Chlamydomonas reinhardtii: can biophotolysis be the major trigger for longâ€term H₂ production?. New Phytologist, 2014, 204, 890-900.	7.3	31
100	Bioremediation advances. New Biotechnology, 2017, 38, 41-42.	4.4	31
101	Polychlorinated biphenyl degradation activities and hybridization analyses ofÂfifteen aerobic strains isolated from a PCB-contaminated site. Research in Microbiology, 2001, 152, 583-592.	2.1	30
102	T-RFLP analysis of bacterial communities in cyclodextrin-amended bioreactors developed for biodegradation of polychlorinated biphenyls. Research in Microbiology, 2005, 156, 201-210.	2.1	30
103	The bioeconomy in Italy and the new national strategy for a more competitive and sustainable country. New Biotechnology, 2021, 61, 124-136.	4.4	29
104	A Multidisciplinary Perspective of Ultra-Processed Foods and Associated Food Processing Technologies: A View of the Sustainable Road Ahead. Nutrients, 2021, 13, 3948.	4.1	28
105	Effects of dentin surface treatments on the shear bond strength of vitrabond. Dental Materials, 1992, 8, 21-26.	3.5	27
106	Effect of vitamins on the aerobic degradation of 2-chlorophenol, 4-chlorophenol, and 4-chlorobiphenyl. Applied Microbiology and Biotechnology, 1996, 46, 414-421.	3.6	27
107	Nonylphenol polyethoxylate degradation in aqueous waste by the use of batch and continuous biofilm bioreactors. Water Research, 2009, 43, 2977-2988.	11.3	27
108	Selection of commercial hydrolytic enzymes with potential antifouling activity in marine environments. Enzyme and Microbial Technology, 2011, 49, 574-579.	3.2	27

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109	Universities, industries and sustainable development: Outcomes of the 2017 G7 Environment Ministerial Meeting. Sustainable Production and Consumption, 2019, 19, 1-10.	11.0	27
110	Trichloroethylene aerobic cometabolism by suspended and immobilized butane-growing microbial consortia: A kinetic study. Bioresource Technology, 2013, 144, 529-538.	9.6	26
111	Slurry bioreactors with simultaneous electron acceptors for bioremediation of an agricultural soil polluted with lindane. Process Biochemistry, 2012, 47, 1640-1648.	3.7	25
112	Impact of bio-palladium nanoparticles (bio-Pd NPs) on the activity and structure of a marine microbial community. Environmental Pollution, 2017, 220, 1068-1078.	7.5	25
113	Sustainable decontamination of an actualâ€site aged PCBâ€polluted soil through a biosurfactantâ€based washing followed by a photocatalytic treatment. Biotechnology and Bioengineering, 2008, 99, 1525-1534.	3.3	24
114	Addition of maize stalks and soybean oil to a historically PCB-contaminated soil: effect on degradation performance and indigenous microbiota. New Biotechnology, 2012, 30, 69-79.	4.4	24
115	Changes in the functional properties of a sandy loam soil amended with biosolids at different application rates. Geoderma, 2014, 221-222, 40-49.	5.1	24
116	Use of protoplast fusion to introduce methionine overproduction into Saccharomyces cerevisiae. Applied Microbiology and Biotechnology, 1988, 28, 268.	3.6	23
117	Genomic and phenotypic characterization of the species Acinetobacter venetianus. Scientific Reports, 2016, 6, 21985.	3.3	23
118	Identification of two organohalide-respiring Dehalococcoidia associated to different dechlorination activities in PCB-impacted marine sediments. Microbial Cell Factories, 2017, 16, 127.	4.0	23
119	Ability of Trichoderma hamatum Isolated from Plastics-Polluted Environments to Attack Petroleum-Based, Synthetic Polymer Films. Processes, 2020, 8, 467.	2.8	23
120	Production of vanillin from wheat bran hydrolyzates via microbial bioconversion. Journal of Chemical Technology and Biotechnology, 2009, 84, 1441-1448.	3.2	22
121	Biotransformation of a highly chlorinated PCB mixture in an activated sludge collected from a Membrane Biological Reactor (MBR) subjected to anaerobic digestion. Journal of Hazardous Materials, 2011, 186, 2060-2067.	12.4	21
122	Effect of oxygen mass transfer rate on the production of 2,3-butanediol from glucose and agro-industrial byproducts by Bacillus licheniformis ATCC9789. Biotechnology for Biofuels, 2018, 11, 145.	6.2	21
123	Biodegradation of chlorinated biphenyls (Fenclor 42) in batch cultures with mixed and pure aerobic cultures. Chemosphere, 1991, 22, 3-14.	8.2	20
124	Bacterial polyextremotolerant bioemulsifiers from arid soils improve water retention capacity and humidity uptake in sandy soil. Microbial Cell Factories, 2018, 17, 83.	4.0	20
125	Biodegradation of Polyethoxylated Nonylphenols in Packed-Bed Biofilm Reactors. Industrial & Engineering Chemistry Research, 2007, 46, 6681-6687.	3.7	18
126	Vascular Wallâ€“Mesenchymal Stem Cells Differentiation on 3D Biodegradable Highly Porous CaSi-DCPD Doped Poly (Î±-hydroxy) Acids Scaffolds for Bone Regeneration. Nanomaterials, 2020, 10, 243.	4.1	18

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127	Use of potassium tellurite for testing the survival and viability of Pseudomonas pseudoalcaligenes KF707 in soil microcosms contaminated with polychlorinated biphenyls. Research in Microbiology, 2002, 153, 353-360.	2.1	17
128	Development of an attached-growth process for the on-site bioremediation of an aquifer polluted by chlorinated solvents. Biodegradation, 2014, 25, 337-350.	3.0	17
129	Assessment of genetic diversity and bioremediation potential of pseudomonads isolated from pesticide-contaminated artichoke farm soils. 3 Biotech, 2018, 8, 263.	2.2	17
130	Degradation of Low-Ethoxylated Nonylphenols by a Stenotrophomonas Strain and Development of New Phylogenetic Probes for Stenotrophomonas spp. Detection. Current Microbiology, 2006, 52, 13-20.	2.2	16
131	Comparison of different pilot scale bioreactors for the treatment of a real wastewater from the textile industry. International Biodeterioration and Biodegradation, 2011, 65, 396-403.	3.9	16
132	The Most Important Bacillus Species in Biotechnology. , 2012, , 329-345.		15
133	Characterization of 4-nonylphenol-degrading bacterial consortium obtained from a textile wastewater pretreatment plant. Archives of Microbiology, 2008, 190, 673-683.	2.2	14
134	Performances and microbial features of an aerobic packed-bed biofilm reactor developed to post-treat an olive mill effluent from an anaerobic GAC reactor. Microbial Cell Factories, 2006, 5, 16.	4.0	12
135	ULIXES, unravelling and exploiting Mediterranean Sea microbial diversity and ecology for xenobioticsâ€™ and pollutantsâ€™ clean up. Reviews in Environmental Science and Biotechnology, 2012, 11, 207-211.	8.1	12
136	A continuous-flow approach for the development of an anaerobic consortium capable of an effective biomethanization of a mechanically sorted organic fraction of municipal solid waste as the sole substrate. Water Research, 2012, 46, 413-424.	11.3	12
137	An Overview of the Transition to a Circular Economy in Emilia-Romagna Region, Italy Considering Technological, Legalâ€“Regulatory and Financial Points of View: A Case Study. Sustainability, 2021, 13, 596.	3.2	12
138	Polychlorinated biphenyl degradation in aqueous wastes by employing continuous fixed-bed bioreactors. Process Biochemistry, 2006, 41, 935-940.	3.7	11
139	Optimization of washing conditions with biogenic mobilizing agents for marine fuel-contaminated beach sands. New Biotechnology, 2018, 43, 13-22.	4.4	11
140	Cyclodextrins enhance the aerobic degradation and dechlorination of low-chlorinated biphenyls. Biotechnology Letters, 1996, 10, 291.	0.5	10
141	Upgrading grape pomace contained ethanol into hexanoic acid, fuel additives and a sticky polyhydroxyalkanoate: an effective alternative to ethanol distillation. Green Chemistry, 2022, 24, 2882-2892.	9.0	10
142	Dechlorination of Fenclor 54 and of a synthetic mixture of polychlorinated biphenyls by anaerobic microorganisms. Applied Microbiology and Biotechnology, 1993, 38, 808-814.	3.6	9
143	Aroclor 1221 aerobic dechlorination by a bacterial co-culture: role of chlorobenzoic acid degrading bacteria in the process. Chemosphere, 1996, 32, 1477-1483.	8.2	9
144	Role of Enzyveba in the aerobic bioremediation and detoxification of a soil freshly contaminated by two different diesel fuels. International Biodeterioration and Biodegradation, 2008, 62, 153-161.	3.9	9

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145	Assessment of catalytic dechlorination activity of suspended and immobilized bio-Pd NPs in different marine conditions. Applied Catalysis B: Environmental, 2015, 168-169, 62-67.	20.2	9
146	Dehalogenation of dichloroethene in a contaminated soil: fatty acids and alcohols as electron donors and an apparent requirement for tetrachloroethene. Applied Microbiology and Biotechnology, 2001, 55, 239-247.	3.6	8
147	Development and assessment of an innovative soil-washing process based on the use of cholic acid-derivatives as pollutant-mobilizing agents. Biotechnology and Bioengineering, 2006, 93, 761-770.	3.3	8
148	Biological fate of Diuron and Sea-nineÂ® 211 and their effect on primary microbial activities in slurries of a contaminated sediment from Venice Lagoon. Annals of Microbiology, 2010, 60, 321-327.	2.6	8
149	Uncoupled hydrogen and volatile fatty acids generation in a two-step biotechnological anaerobic process fed with actual site wastewater. New Biotechnology, 2015, 32, 341-346.	4.4	8
150	Terminal-restriction fragment length polymorphism analysis of biphenyl dioxygenase genes from a polychlorinated biphenyl-polluted soil. Research in Microbiology, 2009, 160, 742-750.	2.1	7
151	Case studies on the use of biotechnologies and on biosafety provisions in four African countries. Journal of Biotechnology, 2011, 156, 370-381.	3.8	7
152	The presence of glass beads or triton x-100 in the medium enhances the aerobic dechlorination of Aroclor 1221 in Pseudomonas sp. CPE1 culture. Chemosphere, 1996, 32, 1469-1475.	8.2	6
153	Dichlorobiphenyl degradation by an uncharacterized Pseudomonas species, strain CPE1, in a fixed film bioreactor. International Biodeterioration and Biodegradation, 1996, 37, 53-59.	3.9	6
154	Control of 2-chlorophenol vapour emissions by a trickling biofilter. Journal of Biotechnology, 2007, 128, 654-658.	3.8	6
155	Inhibition of photosystem 2 in starch-enriched Chlamydomonas reinhardtii cells prevents the efficient induction of H2 production in sulfur-depleted cultures. International Journal of Hydrogen Energy, 2012, 37, 10604-10610.	7.1	5
156	Application of a molecular based approach for the early detection of short term 3-chloroaniline shock loads on activated sludge bacterial community and functionality. New Biotechnology, 2013, 30, 763-771.	4.4	5
157	Containment of a genetically modified microorganism by an activated sludge system. New Biotechnology, 2020, 55, 58-64.	4.4	5
158	Mediterranean Sea bacteria as a potential source of long-chain polyunsaturated fatty acids. FEMS Microbiology Letters, 2020, 367, .	1.8	5
159	Improved recovery of carboxylic acids using sequential cationic-anionic adsorption steps: A highly competitive ion-equilibrium model. Separation and Purification Technology, 2021, 261, 118253.	7.9	5
160	Biological Assessment and Remediation of Contaminated Sediments. NATO Science Series Series IV, Earth and Environmental Sciences, 2006, , 179-238.	0.3	4
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