

Franco Baldi

List of Publications by Year in descending order

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46
papers

1,230
citations

304743

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377865

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46
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docs citations

46
times ranked

1827
citing authors

#	ARTICLE	IF	CITATIONS
1	Anticancer activity of biogenerated silver nanoparticles: an integrated proteomic investigation. <i>Oncotarget</i> , 2018, 9, 9685-9705.	1.8	147
2	Methylmercury Resistance in <i>Desulfovibrio desulfuricans</i> Strains in Relation to Methylmercury Degradation. <i>Applied and Environmental Microbiology</i> , 1993, 59, 2479-2485.	3.1	90
3	Adhesion of <i>Acinetobacter venetianus</i> to Diesel Fuel Droplets Studied with In Situ Electrochemical and Molecular Probes. <i>Applied and Environmental Microbiology</i> , 1999, 65, 2041-2048.	3.1	85
4	Gel sequestration of heavy metals by <i>Klebsiella oxytoca</i> isolated from iron mat. <i>FEMS Microbiology Ecology</i> , 2001, 36, 169-174.	2.7	57
5	Oil-degrading <i>Acinetobacter</i> strain RAG-1 and strains described as ' <i>Acinetobacter venetianus</i> sp. nov.' belong to the same genomic species. <i>Research in Microbiology</i> , 1999, 150, 69-73.	2.1	52
6	Biodiversity of prokaryotic communities in sediments of different sub-basins of the Venice lagoon. <i>Research in Microbiology</i> , 2009, 160, 307-314.	2.1	40
7	Modulation of chromium(VI) toxicity by organic and inorganic sulfur species in yeasts from industrial wastes. <i>BioMetals</i> , 1992, 5, 179-185.	4.1	39
8	Biodeterioration of a fresco by biofilm forming bacteria. <i>International Biodeterioration and Biodegradation</i> , 2006, 57, 168-173.	3.9	37
9	Biochemical and microbial features of shallow marine sediments along the Terra Nova Bay (Ross Sea). <i>Journal of Environmental Microbiology</i> , 2007, 175, 107-115.	1.8	85
10	Growth of <i>Rhodospiridium toruloides</i> Strain DBVPG 6662 on Dibenzothiophene Crystals and Orimulsion. <i>Applied and Environmental Microbiology</i> , 2003, 69, 4689-4696.	3.1	34
11	XAS analysis of a nanostructured iron polysaccharide produced anaerobically by a strain of <i>Klebsiella oxytoca</i> . <i>BioMetals</i> , 2012, 25, 875-881.	4.1	31
12	The genome sequence of the hydrocarbon-degrading <i>Acinetobacter venetianus</i> VE-C3. <i>Research in Microbiology</i> , 2013, 164, 439-449.	2.1	30
13	Structure of the Iron-Binding Exopolysaccharide Produced Anaerobically by the Gram-Negative Bacterium <i>Klebsiella oxytoca</i> . <i>European Journal of Organic Chemistry</i> , 2007, 2007, 5183-5189.	2.4	29
14	Arsenate and arsenite removal from contaminated water by iron oxides nanoparticles formed inside a bacterial exopolysaccharide. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102908.	6.7	29
15	Deterioration of medieval painting in the chapel of the Holy Nail, Siena (Italy) partially treated with Paraloid B72. <i>International Biodeterioration and Biodegradation</i> , 2009, 63, 844-850.	3.9	28
16	Polysaccharide-based silver nanoparticles synthesized by <i>Klebsiella oxytoca</i> DSM 29614 cause DNA fragmentation in <i>E. coli</i> cells. <i>BioMetals</i> , 2016, 29, 321-331.	4.1	28
17	Coal Depyritization by the Thermophilic Archaeon <i>Metallosphaera sedula</i> . <i>Applied and Environmental Microbiology</i> , 1993, 59, 2375-2379.	3.1	28
18	Fungal deterioration of medieval wall fresco determined by analysing small fragments containing copper. <i>International Biodeterioration and Biodegradation</i> , 2006, 57, 7-13.	3.9	27

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19	Adaptative biochemical pathways and regulatory networks in <i>Klebsiella oxytoca</i> BAS-10 producing a biotechnologically relevant exopolysaccharide during Fe(III)-citrate fermentation. <i>Microbial Cell Factories</i> , 2012, 11, 152.	4.0	27
20	Alkylation of ionic mercury to methylmercury and dimethylmercury by methylcobalamin: Simultaneous determination by purge-and-trap GC in line with FTIR. <i>Applied Organometallic Chemistry</i> , 1993, 7, 487-493.	3.5	25
21	Dimethylmercury and dimethylmercury-sulfide of microbial origin in the biogeochemical cycle of Hg. <i>Water, Air, and Soil Pollution</i> , 1995, 80, 805-815.	2.4	25
22	A Comparison of MER::LUX Whole Cell Biosensors And Moss, A Bioindicator, For Estimating Mercury Pollution. <i>Water, Air, and Soil Pollution</i> , 2006, 173, 163-175.	2.4	24
23	Aqueous biphasic hydrogenations catalyzed by new biogenerated Pd-polysaccharide species. <i>Applied Catalysis A: General</i> , 2013, 451, 144-152.	4.3	22
24	Characterisation of biosynthesised silver nanoparticles by scanning electrochemical microscopy (SECM) and voltammetry. <i>Talanta</i> , 2015, 132, 294-300.	5.5	22
25	A bio-generated Fe(III)-binding exopolysaccharide used as new catalyst for phenol hydroxylation. <i>Green Chemistry</i> , 2010, 12, 1405.	9.0	20
26	Bio-generated metal binding polysaccharides as catalysts for synthetic applications and organic pollutant transformations. <i>New Biotechnology</i> , 2011, 29, 74-78.	4.4	19
27	Seasonal mercury transformation and surficial sediment detoxification by bacteria of Marano and Grado lagoons. <i>Estuarine, Coastal and Shelf Science</i> , 2012, 113, 105-115.	2.1	19
28	A Rapid Electrochemical Procedure for the Detection of Hg(0) Produced by Mercuric-Reductase: Application for Monitoring Hg-resistant Bacteria Activity.. <i>Environmental Science & Technology</i> , 2012, 46, 10675-10681.	10.0	19
29	Envelope glycosylation determined by lectins in microscopy sections of <i>Acinetobacter venetianus</i> induced by diesel fuel. <i>Research in Microbiology</i> , 2003, 154, 417-424.	2.1	18
30	Biogenic iron-silver nanoparticles inhibit bacterial biofilm formation due to Ag ⁺ release as determined by a novel phycoerythrin-based assay. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 6325-6336.	3.6	15
31	Chromate tolerance in strains of <i>Rhodospiridium toruloides</i> modulated by thiosulfate and sulfur amino acids. <i>BioMetals</i> , 1995, 8, 99.	4.1	14
32	Response of a freshwater bacterial community to mercury contamination (HgCl ₂ and CH ₃ HgCl) in a controlled system. <i>Archives of Environmental Contamination and Toxicology</i> , 1992, 22, 439-444.	4.1	12
33	XAS analysis of iron and palladium bonded to a polysaccharide produced anaerobically by a strain of <i>Klebsiella oxytoca</i> . <i>Journal of Synchrotron Radiation</i> , 2015, 22, 1215-1226.	2.4	12
34	An extracellular polymeric substance quickly chelates mercury(II) with N-heterocyclic groups. <i>Chemosphere</i> , 2017, 176, 296-304.	8.2	11
35	Manila clams from Hg polluted sediments of Marano and Grado lagoons (Italy) harbor detoxifying Hg resistant bacteria in soft tissues. <i>Environmental Research</i> , 2013, 125, 188-196.	7.5	10
36	A broad mercury resistant strain of <i>Pseudomonas putida</i> secretes pyoverdine under limited iron conditions and high mercury concentrations. <i>BioMetals</i> , 2016, 29, 1097-1106.	4.1	10

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37	Gas chromatography/Fourier transform infrared spectroscopy for determining traces of methane from biodegradation of methylmercury. <i>Environmental Science & Technology</i> , 1988, 22, 836-839.	10.0	9
38	Diatom quantification and their distribution with salinity brines in coastal sediments of Terra Nova Bay (Antarctica). <i>Marine Environmental Research</i> , 2011, 71, 304-311.	2.5	9
39	Chlor-alkali plant contamination of Aussa River sediments induced a large Hg-resistant bacterial community. <i>Estuarine, Coastal and Shelf Science</i> , 2012, 113, 96-104.	2.1	8
40	Bacteria-produced ferric exopolysaccharide nanoparticles as iron delivery system for truffles (Tuber) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.6	8
41	Identification of alkane monooxygenase genes in <i>Acinetobacter venetianus</i> VE-C3 and analysis of mutants impaired in diesel fuel degradation. <i>Annals of Microbiology</i> , 2006, 56, 207-214.	2.6	6
42	Aqueous biphasic treatment of some nitrocompounds with hydrogen in the presence of a biogenerated Pd-polysaccharide. <i>New Biotechnology</i> , 2015, 32, 313-317.	4.4	6
43	Genomic traits of <i>Klebsiella oxytoca</i> DSM 29614, an uncommon metal-nanoparticle producer strain isolated from acid mine drainages. <i>BMC Microbiology</i> , 2018, 18, 198.	3.3	5
44	Biogeochemical, Isotopic and Bacterial Distributions Trace Oceanic Abyssal Circulation. <i>PLoS ONE</i> , 2016, 11, e0145299.	2.5	4
45	Effects of biogenerated ferric hydroxides nanoparticles on truffle mycorrhized plants. <i>Mycorrhiza</i> , 2020, 30, 211-219.	2.8	3
46	Apple seeds in an excavated Roman amphora remained intact for 2000 years despite exposure to a broadly-degrading microbial community. <i>Journal of Archaeological Science: Reports</i> , 2019, 25, 472-485.	0.5	2