Helena M Pinheiro

List of Publications by Year
in descending order

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81	5,221	136885	102432
papers	citations	32 h-index	66 g-index

84	84	84	5171
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Colour in textile effluents - sources, measurement, discharge consents and simulation: a review. , 1999, 74, 1009-1018.		689
2	Aromatic amines from azo dye reduction: status review with emphasis on direct UV spectrophotometric detection in textile industry wastewaters. Dyes and Pigments, 2004, 61, 121-139.	2.0	650
3	Microbial conversion of steroid compounds: recent developments. Enzyme and Microbial Technology, 2003, 32, 688-705.	1.6	501
4	Whole-cell biocatalysis in organic media. Enzyme and Microbial Technology, 1998, 23, 483-500.	1.6	269
5	Anaerobic treatment of textile effluents: a review. Journal of Chemical Technology and Biotechnology, 1998, 73, 323-335.	1.6	228
6	Stability of aerobic granules during long-term bioreactor operation. Biotechnology Advances, 2018, 36, 228-246.	6.0	218
7	Bioreactor monitoring with spectroscopy and chemometrics: a review. Analytical and Bioanalytical Chemistry, 2012, 404, 1211-1237.	1.9	204
8	Effect of some operational parameters on textile dye biodegradation in a sequential batch reactor. Journal of Biotechnology, 2001, 89, 163-174.	1.9	180
9	Carrageenan: A Food-Grade and Biocompatible Support for Immobilisation Techniques. Advanced Synthesis and Catalysis, 2002, 344, 815-835.	2.1	127
10	Reactive textile dye colour removal in a sequencing batch reactor. Water Science and Technology, 2000, 42, 321-328.	1.2	116
11	Batch tests for assessing decolourisation of azo dyes by methanogenic and mixed cultures. Journal of Biotechnology, 2001, 89, 155-162.	1.9	103
12	Combining biotechnology with circular bioeconomy: From poultry, swine, cattle, brewery, dairy and urban wastewaters to biohydrogen. Environmental Research, 2018, 164, 32-38.	3.7	90
13	Effect of an azo dye on the performance of an aerobic granular sludge sequencing batch reactor treating a simulated textile wastewater. Water Research, 2015, 85, 327-336.	5.3	89
14	pH effects on the removal of Cu2+, Cd2+ and Pb2+ from aqueous solution by waste brewery biomass. Bioprocess and Biosystems Engineering, 2000, 23, 135-141.	0.5	87
15	Scenedesmus obliquus mediated brewery wastewater remediation and CO 2 biofixation for green energy purposes. Journal of Cleaner Production, 2017, 165, 1316-1327.	4.6	85
16	Biological sulphate reduction and redox mediator effects on azo dye decolourisation in anaerobicâ€“aerobic sequencing batch reactors. Enzyme and Microbial Technology, 2005, 36, 790-799.	1.6	84
17	Monoazo and diazo dye decolourisation studies in a methanogenic UASB reactor. Journal of Biotechnology, 2005, 115, 57-66.	1.9	76
18	Assessment of the biodegradability of a monosulfonated azo dye and aromatic amines. International Biodeterioration and Biodegradation, 2008, 62, 96-103.	1.9	66

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19	Sterol side-chain cleavage with immobilized Mycobacterium cells in water-immiscible organic solvents. Enzyme and Microbial Technology, 1994, 16, 708-714.	1.6	60
20	Mycobacterium sp.,Rhodococcus erythropolis, andPseudomonas putida behavior in the presence of organic solvents. Microscopy Research and Technique, 2004, 64, 215-222.	1.2	55
21	Electrochemical degradation applied to the metabolites of Acid Orange 7 anaerobic biotreatment. Chemosphere, 2007, 67, 1316-1324.	4.2	55
22	Whole-cell bioconversion of Î²-sitosterol in aqueousâ€“organic two-phase systems. Journal of Molecular Catalysis B: Enzymatic, 2001, 11, 579-585.	1.8	53
23	Comparing aerobic granular sludge and flocculent sequencing batch reactor technologies for textile wastewater treatment. Biochemical Engineering Journal, 2015, 104, 57-63.	1.8	53
24	Removal efficiency of Cu2+, Cd2+ and Pb2+ by waste brewery biomass: pH and cation association effects. Desalination, 1999, 124, 137-144.	4.0	51
25	Oerskovia paurometabola can efficiently decolorize azo dye Acid Red 14 and remove its recalcitrant metabolite. Ecotoxicology and Environmental Safety, 2020, 191, 110007.	2.9	45
26	In situ UV-Vis spectroscopy to estimate COD and TSS in wastewater drainage systems. Urban Water Journal, 2014, 11, 261-273.	1.0	42
27	Biotransformation in organic media by enzymes and whole cells. Journal of Biotechnology, 1997, 59, 133-143.	1.9	40
28	Effect of phase composition on the whole-cell bioconversion of Î²-sitosterol in biphasic media. Journal of Molecular Catalysis B: Enzymatic, 2002, 19-20, 371-375.	1.8	38
29	UV spectra analysis for water quality monitoring in a fuel park wastewater treatment plant. Chemosphere, 2006, 65, 786-791.	4.2	38
30	Effect of sequencing batch cycle strategy on the treatment of a simulated textile wastewater with aerobic granular sludge. Biochemical Engineering Journal, 2015, 104, 106-114.	1.8	36
31	Optimization of androstenedione production in an organicâ€“aqueous two-liquid phase system. Journal of Molecular Catalysis B: Enzymatic, 2004, 29, 19-23.	1.8	35
32	Evaluation of an integrated anaerobic/aerobic SBR system for the treatment of wool dyeing effluents. Biodegradation, 2005, 16, 81-89.	1.5	35
33	Solvent partitioning and whole-cell sitosterol bioconversion activity in aqueous-organic two-phase systems. Enzyme and Microbial Technology, 2004, 34, 342-353.	1.6	34
34	Behaviour of Mycobacterium sp. NRRL B-3805 whole cells in aqueous, organic-aqueous and organic media studied by fluorescence microscopy. Applied Microbiology and Biotechnology, 2004, 64, 695-701.	1.7	32
35	Kinetic Studies of Reactive Azo Dye Decolorization in Anaerobic/aerobic Sequencing Batch Reactors. Biotechnology Letters, 2006, 28, 733-739.	1.1	32
36	Isolation of a biodegradable sterol-rich fraction from industrial wastes. Bioresource Technology, 2002, 82, 253-260.	4.8	31

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37	Effects of solvent molecular toxicity and microenvironment composition on the ?1 dehydrogenataon activity ofArthrobacter simplex cells. Biotechnology and Bioengineering, 1991, 37, 97-102.	1.7	30
38	Biodegradation Products of a Sulfonated Azo Dye in Aerobic Granular Sludge Sequencing Batch Reactors Treating Simulated Textile Wastewater. ACS Sustainable Chemistry and Engineering, 2019, 7, 14697-14706.	3.2	28
39	Studies on activated sludge response to variations in the composition of a synthetic surfactant-containing feed effluent. Water Science and Technology, 2000, 42, 135-143.	1.2	26
40	Cheese manufacturing wastewater treatment by combined physicochemical processes for reuse and fertilizer production. Journal of Environmental Management, 2020, 264, 110470.	3.8	26
41	Macroalgae as Protein Sourcesâ€"A Review on Protein Bioactivity, Extraction, Purification and Characterization. Applied Sciences (Switzerland), 2021, 11, 7969.	1.3	26
42	Conversion of Î²-sitosterol by Mycobacterium sp. NRRL B-3805 cells immobilized on Celite supports. Journal of Molecular Catalysis B: Enzymatic, 2001, 11, 523-530.	1.8	25
43	Analysis of secondary metabolite fate during anaerobicâ€aerobic azo dye biodegradation in a sequential batch reactor. Environmental Technology (United Kingdom), 2003, 24, 679-686.	1.2	25
44	Steroid bioconversion in a microemulsion system. Biotechnology and Bioengineering, 1991, 38, 1210-1217.	1.7	24
45	Screening of whole-cell immobilization procedures for the Î”1-dehydrogenation of steroids in organic medium. Enzyme and Microbial Technology, 1992, 14, 619-624.	1.6	23
46	Bioconversion of a hydrocortisone derivative in an organic-aqueous two-liquid-phase system. Enzyme and Microbial Technology, 1995, 17, 163-167.	1.6	23
47	Influence of some operational parameters on the bioconversion of sitosterol with immobilized whole cells in organic medium. Journal of Molecular Catalysis B: Enzymatic, 1998, 5, 307-310.	1.8	22
48	Study of key operational parameters for the side-chain cleavage of sitosterol by free mycobacterial cells in Bis-(2-ethylhexyl) phthalate. Biocatalysis and Biotransformation, 2004, 22, 189-194.	1.1	21
49	Hydroxylation of androstenedione by resting Rhodococcus sp. cells in organic media. Enzyme and Microbial Technology, 2005, 37, 718-722.	1.6	20
50	Chrysotile as a support for the immobilisation of Mycobacterium sp. NRRL B-3805 cells for the bioconversion of Î²-sitosterol in an organicâ€"aqueous two-liquid phase system. Journal of Molecular Catalysis B: Enzymatic, 2005, 32, 61-65.	1.8	20
51	DEVELOPMENT OF PLS CALIBRATION MODELS FROM UVâ€VIS SPECTRA FOR TOC ESTIMATION AT THE OUTLET OF A FUEL PARK WASTEWATER TREATMENT PLANT. Environmental Technology (United Kingdom), 2008, 29, 891-898.	1.2	20
52	Recent developments in textile wastewater biotreatment: dye metabolite fate, aerobic granular sludge systems and engineered nanoparticles. Reviews in Environmental Science and Biotechnology, 2020, 19, 149-190.	3.9	16
53	Use of Spectra in the Visible and Near-Mid-Ultraviolet Range with Principal Component Analysis and Partial Least Squares Processing for Monitoring of Suspended Solids in Municipal Wastewater Treatment Plants. Applied Spectroscopy, 2010, 64, 1061-1067.	1.2	15
54	Effect of SBR feeding strategy and feed composition on the stability of aerobic granular sludge in the treatment of a simulated textile wastewater. Water Science and Technology, 2017, 76, 1188-1195.	1.2	15

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55	Modelling of activated sludge acclimisation to a non-ionic surfactant. Water Science and Technology, 2001, 43, 9-17.	1.2	14
56	A factorially-designed study of physicochemical reactive dye colour removal from simulated cotton textile processing wastewaters. Coloration Technology, 2002, 118, 215-219.	0.7	14
57	Dual-mode cultivation of Chlorella protothecoides applying inter-reactors gas transfer improves microalgae biodiesel production. Journal of Biotechnology, 2014, 184, 74-83.	1.9	14
58	Model development and application for surfactant biodegradation in an acclimatising activated sludge system. Chemosphere, 2004, 54, 1495-1502.	4.2	13
59	Cd(II) removal from aqueous solution by immobilised waste brewery yeast in fixed-bed and airlift reactors. Desalination, 2007, 214, 343-351.	4.0	13
60	Steroid bioconversion in a novel aqueous two-phase system. Biotechnology Letters, 1991, 13, 349-354.	1.1	12
61	Evaluation of anaerobic co-digestion of spent brewery grains and an azo dye. Renewable Energy, 2015, 74, 489-496.	4.3	12
62	Quinones as External Electron Acceptors in Steroid Dehydrogenation with Entrapped Cells in Organic Medium. Biocatalysis, 1993, 7, 83-96.	0.9	11
63	Activity and stability of an entrapped-cell system for the ?1-dehydrogenation of steroids in organic media. Biotechnology and Bioengineering, 1992, 40, 1123-1127.	1.7	10
64	Stress-induced morphological and physiological changes in Î³-linolenic acid production by Mucor fragilis in batch and continuous cultures. Enzyme and Microbial Technology, 2003, 32, 880-888.	1.6	9
65	Scanning electron microscopy investigations on bis(2-ethylhexyl)phthalate treatedMycobacterium cells. Microscopy Research and Technique, 2006, 69, 613-617.	1.2	8
66	Calibration Transfer Between a Bench Scanning and a Submersible Diode Array Spectrophotometer for In Situ Wastewater Quality Monitoring in Sewer Systems. Applied Spectroscopy, 2016, 70, 443-454.	1.2	8
67	Determining stoichiometric parameters of detached biomass from a HSSF-CW using respirometry. Ecological Engineering, 2017, 98, 388-393.	1.6	8
68	A Study of the Performance of a High-Rate Photosynthetic Pond System. Water Science and Technology, 1987, 19, 237-241.	1.2	7
69	Advanced oxidation for aromatic amine mineralization after aerobic granular sludge treatment of an azo dye containing wastewater. , 0, 91, 168-174.		6
70	Optimal operation for timely adaptation of activated sludge plants to changes in the surfactant composition of wastewater. Water Science and Technology, 2002, 45, 345-353.	1.2	5
71	Activated sludge acclimatisation kinetics to nonâ€ionic surfactants. Environmental Technology (United) Tj ETQq1 1 0.784314 rgBT /Ov	1.2	5
72	Behaviour of different anaerobic populations on the biodegradation of textile chemicals. Journal of Hazardous Materials, 2009, 172, 1236-1243.	6.5	5

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73	Using nuclear microscopy to characterize the interaction of textile-used silver nanoparticles with a biological wastewater treatment system. Nuclear Instruments & Methods in Physics Research B, 2017, 404, 150-154.	0.6	3
74	Storage mechanisms in constructed wetlands: Should we modify heterotrophic bacteria modelling?. Science of the Total Environment, 2019, 658, 830-835.	3.9	3
75	Stability of free and immobilized Mycobacterium sp. cells in aqueous and organic media. Progress in Biotechnology, 1998, 15, 625-630.	0.2	2
76	Model Based Fault Diagnosis for Performance Control of a Decentralized Wastewater Treatment Plant. Computer Aided Chemical Engineering, 2014, 33, 691-696.	0.3	2
77	Influence of co-substrates on anaerobic thermophilic degradation of syringaldehyde. Journal of Cleaner Production, 2020, 275, 122577.	4.6	2
78	Development of Soft Sensors Based on Analytical and Spectral Data on a Real Small Size Wastewater Treatment Plant. Lecture Notes in Electrical Engineering, 2017, , 323-333.	0.3	1
79	Desenvolvimento de um biorreator de grÃ¢nulos aerÃ³bios para tratamento de Ã¡gua residuÃ¡ria sintÃ©tica e reativaÃ§Ã£o do sistema apÃ³s parada prolongada. Engenharia Sanitaria E Ambiental, 2018, 23, 757-766.	0.1	1
80	Fuel park wastewater monitoring with UV-Vis spectra and partial least squares models. Macedonian Journal of Chemistry and Chemical Engineering, 2013, 27, 19.	0.2	1
81	Effect of the introduction of an anaerobic phase on the protozoa community of an SBR used for biodecolorization of an azo dye. , 2009, , .		0