

Montserrat Sarra

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67
papers

2,865
citations

32
h-index

53
g-index

67
ext. papers

3,202
ext. citations

7.6
avg, IF

5.12
L-index

#	Paper	IF	Citations
67	Removal of pharmaceutical compounds by activated carbon prepared from agricultural by-product. <i>Chemical Engineering Journal</i> , 2012 , 211-212, 310-317	14.7	317
66	Mechanism of textile metal dye biotransformation by <i>Trametes versicolor</i> . <i>Water Research</i> , 2004 , 38, 2166-72	12.5	177
65	Degradation of pharmaceuticals in non-sterile urban wastewater by <i>Trametes versicolor</i> in a fluidized bed bioreactor. <i>Water Research</i> , 2013 , 47, 5200-10	12.5	158
64	Degradation of carbamazepine by <i>Trametes versicolor</i> in an air pulsed fluidized bed bioreactor and identification of intermediates. <i>Water Research</i> , 2012 , 46, 955-64	12.5	156
63	Hospital wastewater treatment by fungal bioreactor: removal efficiency for pharmaceuticals and endocrine disruptor compounds. <i>Science of the Total Environment</i> , 2014 , 493, 365-76	10.2	143
62	Bioremediation of PAHs-contaminated soil through composting: Influence of bioaugmentation and biostimulation on contaminant biodegradation. <i>International Biodeterioration and Biodegradation</i> , 2011 , 65, 859-865	4.8	103
61	Can white-rot fungi be a real wastewater treatment alternative for organic micropollutants removal? A review. <i>Water Research</i> , 2018 , 138, 137-151	12.5	94
60	Development of a continuous process to adapt the textile wastewater treatment by fungi to industrial conditions. <i>Process Biochemistry</i> , 2008 , 43, 1-7	4.8	82
59	Biodegradation of the X-ray contrast agent iopromide and the fluoroquinolone antibiotic ofloxacin by the white rot fungus <i>Trametes versicolor</i> in hospital wastewaters and identification of degradation products. <i>Water Research</i> , 2014 , 60, 228-241	12.5	76
58	Pharmaceuticals removal and microbial community assessment in a continuous fungal treatment of non-sterile real hospital wastewater after a coagulation-flocculation pretreatment. <i>Water Research</i> , 2017 , 116, 65-75	12.5	74
57	Effects of compost stability and contaminant concentration on the bioremediation of PAHs-contaminated soil through composting. <i>Journal of Hazardous Materials</i> , 2010 , 179, 999-1006	12.8	69
56	Environmental impact associated with activated carbon preparation from olive-waste cake via life cycle assessment. <i>Journal of Environmental Management</i> , 2013 , 130, 242-7	7.9	67
55	Equilibrium, thermodynamic and kinetic studies on adsorption of commercial dye by activated carbon derived from olive-waste cakes. <i>Chemical Engineering Journal</i> , 2010 , 165, 457-464	14.7	67
54	Modeling of adsorption isotherms and kinetics of a tannery dye onto an activated carbon prepared from an agricultural by-product. <i>Fuel Processing Technology</i> , 2013 , 106, 408-415	7.2	62
53	Non conventional biological treatment based on <i>Trametes versicolor</i> for the elimination of recalcitrant anticancer drugs in hospital wastewater. <i>Chemosphere</i> , 2015 , 136, 9-19	8.4	59
52	Degradation of selected agrochemicals by the white rot fungus <i>Trametes versicolor</i> . <i>Science of the Total Environment</i> , 2014 , 500-501, 235-42	10.2	59
51	Effect of soil bacteria on the ability of polycyclic aromatic hydrocarbons (PAHs) removal by <i>Trametes versicolor</i> and <i>Irpex lacteus</i> from contaminated soil. <i>Soil Biology and Biochemistry</i> , 2010 , 42, 2087-2093	7.5	58

50	Metabolites from the biodegradation of triphenylmethane dyes by <i>Trametes versicolor</i> or laccase. <i>Chemosphere</i> , 2009 , 75, 1344-9	8.4	57
49	The role of sorption processes in the removal of pharmaceuticals by fungal treatment of wastewater. <i>Science of the Total Environment</i> , 2018 , 610-611, 1147-1153	10.2	53
48	Different approaches to improving the textile dye degradation capacity of <i>Trametes versicolor</i> . <i>Biochemical Engineering Journal</i> , 2006 , 31, 42-47	4.2	46
47	Decolorization of a tannery dye: From fungal screening to bioreactor application. <i>Biochemical Engineering Journal</i> , 2011 , 56, 184-189	4.2	43
46	<i>Trametes versicolor</i> pellets production: Low-cost medium and scale-up. <i>Biochemical Engineering Journal</i> , 2008 , 42, 61-66	4.2	43
45	Study of the cellular retention time and the partial biomass renovation in a fungal decolourisation continuous process. <i>Water Research</i> , 2006 , 40, 1650-6	12.5	42
44	The effect of HRT on the decolourisation of the Grey Lanaset G textile dye by <i>Trametes versicolor</i> . <i>Chemical Engineering Journal</i> , 2007 , 126, 163-169	14.7	41
43	Novel aerobic perchloroethylene degradation by the white-rot fungus <i>Trametes versicolor</i> . <i>Environmental Science & Technology</i> , 2006 , 40, 7796-802	10.3	39
42	Continuous treatment of non-sterile hospital wastewater by <i>Trametes versicolor</i> : How to increase fungal viability by means of operational strategies and pretreatments. <i>Journal of Hazardous Materials</i> , 2016 , 318, 561-570	12.8	36
41	Gas pollutants removal in a single- and two-stage ejector-venturi scrubber. <i>Journal of Hazardous Materials</i> , 2002 , 90, 251-66	12.8	36
40	The relationships between biomass concentration, determined by a capacitance-based probe, rheology and morphology of <i>Saccharopolyspora erythraea</i> cultures. <i>Journal of Biotechnology</i> , 1996 , 51, 157-165	3.7	35
39	<i>Stropharia rugosoannulata</i> and <i>Gymnopilus luteofolius</i> : Promising fungal species for pharmaceutical biodegradation in contaminated water. <i>Journal of Environmental Management</i> , 2018 , 207, 396-404	7.9	35
38	Fungal treatment of metoprolol and its recalcitrant metabolite metoprolol acid in hospital wastewater: Biotransformation, sorption and ecotoxicological impact. <i>Water Research</i> , 2019 , 152, 171-180	12.5	33
37	A comparative life cycle assessment of two treatment technologies for the Grey Lanaset G textile dye: biodegradation by <i>Trametes versicolor</i> and granular activated carbon adsorption. <i>International Journal of Life Cycle Assessment</i> , 2012 , 17, 613-624	4.6	32
36	Adsorption step in the biological degradation of a textile dye. <i>Biotechnology Progress</i> , 2001 , 17, 664-8	2.8	32
35	Olive oil mill waste waters decoloration and detoxification in a bioreactor by the white rot fungus <i>Phanerochaete flavido-alba</i> . <i>Biotechnology Progress</i> , 2002 , 18, 660-2	2.8	31
34	Preliminary evaluation of <i>Pleurotus ostreatus</i> for the removal of selected pharmaceuticals from hospital wastewater. <i>Biotechnology Progress</i> , 2017 , 33, 1529-1537	2.8	29
33	Preliminary screening of co-substrates for bioremediation of pyrene-contaminated soil through composting. <i>Journal of Hazardous Materials</i> , 2009 , 172, 1695-8	12.8	27

32	Application of factorial design to the optimization of medium composition in batch cultures of <i>Streptomyces lividans</i> TK21 producing a hybrid antibiotic. <i>Biotechnology Letters</i> , 1993 , 15, 559-564	3	26
31	Optimization and enhancement of soil bioremediation by composting using the experimental design technique. <i>Biodegradation</i> , 2010 , 21, 345-56	4.1	25
30	Anaerobic degradation of PAHs in soil: Impacts of concentration and amendment stability on the PAHs degradation and biogas production. <i>International Biodeterioration and Biodegradation</i> , 2010 , 64, 286-292	4.8	24
29	Degradation of Orange G by laccase: fungal versus enzymatic process. <i>Environmental Technology (United Kingdom)</i> , 2007 , 28, 1103-10	2.6	24
28	Continuous treatment of clofibric acid by <i>Trametes versicolor</i> in a fluidized bed bioreactor: Identification of transformation products and toxicity assessment. <i>Biochemical Engineering Journal</i> , 2013 , 75, 79-85	4.2	22
27	Soil colonization by <i>Trametes versicolor</i> grown on lignocellulosic materials: Substrate selection and naproxen degradation. <i>International Biodeterioration and Biodegradation</i> , 2011 , 65, 846-852	4.8	22
26	Laccase production by <i>Trametes versicolor</i> under limited-growth conditions using dyes as inducers. <i>Environmental Technology (United Kingdom)</i> , 2013 , 34, 113-9	2.6	21
25	Granulometry and Surfactants, Key Factors in Desorption and Biodegradation (<i>T. versicolor</i>) of PAHs in Soil and Groundwater. <i>Water, Air, and Soil Pollution</i> , 2013 , 224, 1	2.6	17
24	Combining biological processes with UV/H ₂ O ₂ for metoprolol and metoprolol acid removal in hospital wastewater. <i>Chemical Engineering Journal</i> , 2021 , 404, 126482	14.7	17
23	Fluid flow and pumping efficiency in an ejector-venturi scrubber. <i>Chemical Engineering and Processing: Process Intensification</i> , 2004 , 43, 127-136	3.7	16
22	The hydrodynamics of ejector-Venturi scrubbers and their modelling by an annular flow/boundary layer model. <i>Chemical Engineering Science</i> , 2002 , 57, 2707-2718	4.4	15
21	Fungal bioremediation of diuron-contaminated waters: Evaluation of its degradation and the effect of amendable factors on its removal in a trickle-bed reactor under non-sterile conditions. <i>Science of the Total Environment</i> , 2020 , 743, 140628	10.2	13
20	Long-term continuous treatment of non-sterile real hospital wastewater by. <i>Journal of Biological Engineering</i> , 2019 , 13, 47	6.3	12
19	The Role of the Liquid Film on the Mass Transfer in Venturi-Based Scrubbers. <i>Chemical Engineering Research and Design</i> , 2004 , 82, 372-380	5.5	12
18	Fungal biodegradation of the N-nitrosodimethylamine precursors venlafaxine and O-desmethylvenlafaxine in water. <i>Environmental Pollution</i> , 2019 , 246, 346-356	9.3	11
17	The removal of diuron from agricultural wastewaters by <i>Trametes versicolor</i> immobilized on pinewood in simple channel reactors. <i>Science of the Total Environment</i> , 2020 , 728, 138414	10.2	10
16	Influence of process variables in a continuous treatment of non-sterile hospital wastewater by <i>Trametes versicolor</i> and novel method for inoculum production. <i>Journal of Environmental Management</i> , 2018 , 212, 415-423	7.9	9
15	Prospects on coupling UV/HO with activated sludge or a fungal treatment for the removal of pharmaceutically active compounds in real hospital wastewater. <i>Science of the Total Environment</i> , 2021 , 773, 145374	10.2	9

14	A simple structured model for continuous production of a hybrid antibiotic by <i>Streptomyces lividans</i> pellets in a fluidized-bed bioreactor. <i>Applied Biochemistry and Biotechnology</i> , 1999 , 80, 39-50	3.2	8
13	Exploring the degradation capability of <i>Trametes versicolor</i> on selected hydrophobic pesticides through setting sights simultaneously on culture broth and biological matrix. <i>Chemosphere</i> , 2020 , 250, 126293	8.4	7
12	Required equilibrium studies for designing a three-phase bioreactor to degrade trichloroethylene (TCE) and tetrachloroethylene (PCE) by <i>Trametes versicolor</i> . <i>Chemical Engineering Journal</i> , 2008 , 144, 21-27	14.7	7
11	Effect of Different Operational Parameters in the Enhanced Biological Phosphorus Removal Process. Experimental Design and Results. <i>Environmental Technology (United Kingdom)</i> , 2001 , 22, 1439-1446	2.6	7
10	Fungal degradation of selected medium to highly polar pesticides by <i>Trametes versicolor</i> : kinetics, biodegradation pathways, and ecotoxicity of treated waters. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 1	4.4	5
9	Mathematical model for dye decoloration and laccase production by <i>Trametes versicolor</i> in fluidized bioreactor. <i>Biochemical Engineering Journal</i> , 2013 , 80, 45-52	4.2	4
8	Remediation of bentazone contaminated water by <i>Trametes versicolor</i> : Characterization, identification of transformation products, and implementation in a trickle-bed reactor under non-sterile conditions. <i>Journal of Hazardous Materials</i> , 2021 , 409, 124476	12.8	3
7	THE SPLIT OF THE LIQUID PHASE IN DROPS AND FILM IN AN EJECTOR-VENTURI SCRUBBER. <i>Chemical Engineering Communications</i> , 2004 , 191, 398-413	2.2	2
6	Comparison between two reactors using <i>Trametes versicolor</i> for agricultural wastewater treatment under non-sterile condition in sequencing batch mode. <i>Journal of Environmental Management</i> , 2021 , 293, 112859	7.9	2
5	Pesticide bioremediation by <i>Trametes versicolor</i> : Application in a fixed-bed reactor, sorption contribution and bioregeneration. <i>Science of the Total Environment</i> , 2021 , 794, 148386	10.2	2
4	Optimisation of the operational conditions of trichloroethylene degradation using <i>Trametes versicolor</i> under quinone redox cycling conditions using central composite design methodology. <i>Biodegradation</i> , 2012 , 23, 333-41	4.1	1
3	Importance of growth form on production of hybrid antibiotic by <i>Streptomyces lividans</i> TK21 by fed-batch and continuous fermentation. <i>Applied Biochemistry and Biotechnology</i> , 1998 , 75, 235-48	3.2	1
2	Fungal Reactors: A Solution for the Removal of Pharmaceuticals in Urban and Hospital Wastewater. <i>Handbook of Environmental Chemistry</i> , 2020 , 145-162	0.8	0
1	Developments of Tertiary Level Studies in Biotechnologies and Their Applications in Environmental Bioengineering. <i>Proceedings (mdpi)</i> , 2020 , 57, 14	0.3	