

Tahar Mechichi

List of Publications by Year in descending order

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88
papers

3,633
citations

126907

33
h-index

138484

58
g-index

92
all docs

92
docs citations

92
times ranked

4749
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of alkaline/hydrogen peroxide pretreatment on date palm fibers: induced chemical and structural changes and assessment of ethanol production capacity via <i>Pichia anomala</i> and <i>Pichia stipitis</i> . <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 4473-4489.	4.6	3
2	A Comparative Study of Various Pretreatment Approaches for Bio-Ethanol Production from Willow Sawdust, Using Co-Cultures and Mono-Cultures of Different Yeast Strains. <i>Molecules</i> , 2022, 27, 1344.	3.8	8
3	Soil Responses to High Olive Mill Wastewater Spreading. <i>Agronomy</i> , 2022, 12, 972.	3.0	6
4	Optimization of the Decolorization of the Reactive Black 5 by a Laccase-like Active Cell-Free Supernatant from <i>Corioliopsis gallica</i> . <i>Microorganisms</i> , 2022, 10, 1137.	3.6	6
5	Optimization of reactive black 5 decolorization by the newly isolated <i>Saccharomyces cerevisiae</i> X19G2 using response-surface methodology. <i>3 Biotech</i> , 2022, 12, .	2.2	1
6	Comparative Evaluation of the Capacity of Commercial and Autochthonous <i>Saccharomyces cerevisiae</i> Strains to Remove Ochratoxin A from Natural and Synthetic Grape Juices. <i>Toxins</i> , 2022, 14, 465.	3.4	2
7	Exploring the Diversity of Fungal DyPs in Mangrove Soils to Produce and Characterize Novel Biocatalysts. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 321.	3.5	5
8	Biodegradation of C20 carbon clusters from Diesel Fuel by <i>Corioliopsis gallica</i> : optimization, metabolic pathway, phytotoxicity. <i>3 Biotech</i> , 2021, 11, 214.	2.2	1
9	Efficient bioethanol production from date palm (<i>Phoenix dactylifera</i> L.) sap by a newly isolated <i>Saccharomyces cerevisiae</i> X19G2. <i>Process Biochemistry</i> , 2021, 105, 102-112.	3.7	9
10	Simultaneous cleanup of Reactive Black 5 and cadmium by a desert soil bacterium. <i>Ecotoxicology and Environmental Safety</i> , 2020, 190, 110103.	6.0	27
11	Biodegradation and toxicity reduction of nonylphenol, 4-tert-octylphenol and 2,4-dichlorophenol by the ascomycetous fungus <i>Thielavia</i> sp HJ22: Identification of fungal metabolites and proposal of a putative pathway. <i>Science of the Total Environment</i> , 2020, 708, 135129.	8.0	47
12	Enzyme Properties of a Laccase Obtained from the Transcriptome of the Marine-Derived Fungus <i>Stemphylium lucomagnoense</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 8402.	4.1	3
13	Characterization of the CAZy Repertoire from the Marine-Derived Fungus <i>Stemphylium lucomagnoense</i> in Relation to Saline Conditions. <i>Marine Drugs</i> , 2020, 18, 461.	4.6	7
14	Screening of five marine-derived fungal strains for their potential to produce oxidases with laccase activities suitable for biotechnological applications. <i>BMC Biotechnology</i> , 2020, 20, 27.	3.3	20
15	Evaluation of the non-conventional yeast strain <i>Wickerhamomyces anomalus</i> (<i>Pichia anomala</i>) X19 for enhanced bioethanol production using date palm sap as renewable feedstock. <i>Renewable Energy</i> , 2020, 154, 71-81.	8.9	18
16	Towards sustainable management of tomato pomace through the recovery of valuable compounds and sequential production of low-cost biosorbent. <i>Environmental Science and Pollution Research</i> , 2020, 27, 39402-39412.	5.3	20
17	Oleaginous Microorganisms for Simultaneous Biodiesel Production and Wastewater Treatment. , 2019, , 153-174.		7
18	On the evaluation of different saccharification schemes for enhanced bioethanol production from potato peels waste via a newly isolated yeast strain of <i>Wickerhamomyces anomalus</i> . <i>Bioresource Technology</i> , 2019, 289, 121614.	9.6	42

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19	Biodegradation and detoxification of bisphenol A by bacteria isolated from desert soils. 3 Biotech, 2019, 9, 228.	2.2	23
20	Removal of Acid Orange 51 by micro zero-valent iron under different operational conditions and evaluation of toxicity. Environmental Science and Pollution Research, 2019, 26, 18392-18402.	5.3	5
21	Porous heat-treated fungal biomass: preparation, characterization and application for removal of textile dyes from aqueous solutions. Journal of Porous Materials, 2019, 26, 1475-1488.	2.6	7
22	Modelling of Reactive Black 5 decolourization in the presence of heavy metals by the newly isolated <i>Pseudomonas aeruginosa</i> strain Gb30. Journal of Applied Microbiology, 2019, 126, 1761-1771.	3.1	9
23	A new approach for detoxification of landfill leachate using <i>Trametes trogii</i> . Environmental Engineering Research, 2019, 24, 144-149.	2.5	9
24	Assessment of organic matter biodegradation and physico-chemical parameters variation during co-composting of lignocellulosic wastes with <i>Trametes trogii</i> inoculation. Environmental Engineering Research, 2019, 24, 670-679.	2.5	10
25	Tolerance Limits of Barley, Peas and Lettuce Towards Composts Rich in Phenolic Compounds and Lipid Substances. Communications in Soil Science and Plant Analysis, 2018, 49, 1418-1428.	1.4	2
26	Degradation of bisphenol A and acute toxicity reduction by different thermo-tolerant ascomycete strains isolated from arid soils. Ecotoxicology and Environmental Safety, 2018, 156, 87-96.	6.0	47
27	Prickly pear cactus cladodes powder of <i>Opuntia ficus indica</i> as a cost effective biosorbent for dyes removal from aqueous solutions. 3 Biotech, 2018, 8, 478.	2.2	8
28	Treatment of olive mill wastewater through employing sequencing batch reactor: performance and microbial diversity assessment. 3 Biotech, 2018, 8, 481.	2.2	9
29	Purification and characterization of a fungal laccase from the ascomycete <i>Thielavia</i> sp. and its role in the decolorization of a recalcitrant dye. International Journal of Biological Macromolecules, 2018, 120, 1744-1751.	7.5	52
30	Fast activated charcoal prepurification of <i>Fusarium solani</i> α -glucosidase for an efficient oleuropein bioconversion. Preparative Biochemistry and Biotechnology, 2017, 47, 185-191.	1.9	7
31	Newly isolated yeasts from Tunisian microhabitats: Lipid accumulation and fatty acid composition. Engineering in Life Sciences, 2017, 17, 226-236.	3.6	30
32	Evaluation of the biotechnological potential of a novel purified protease BS1 from <i>Bacillus safensis</i> S406 on the chitin extraction and detergent formulation. International Journal of Biological Macromolecules, 2017, 104, 739-747.	7.5	31
33	Effect of <i>Spirulina platensis</i> fortification on physicochemical, textural, antioxidant and sensory properties of yogurt during fermentation and storage. LWT - Food Science and Technology, 2017, 84, 323-330.	5.2	143
34	A halotolerant laccase from <i>Chaetomium</i> strain isolated from desert soil and its ability for dye decolourization. 3 Biotech, 2017, 7, 329.	2.2	24
35	A sustainable use of low-cost raw substrates for biodiesel production by the oleaginous yeast <i>Wickerhamomyces anomalus</i> . 3 Biotech, 2017, 7, 268.	2.2	32
36	Degradation of bisphenol A by different fungal laccases and identification of its degradation products. International Biodeterioration and Biodegradation, 2016, 110, 181-188.	3.9	94

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37	Potential utilization of agro-industrial wastewaters for lipid production by the oleaginous yeast <i>Debaryomyces etchellsii</i> . <i>Journal of Cleaner Production</i> , 2016, 133, 899-909.	9.3	68
38	Phylogenetic and metabolic diversity of Tunisian forest wood-degrading fungi: a wealth of novelties and opportunities for biotechnology. <i>3 Biotech</i> , 2016, 6, 46.	2.2	17
39	Sawdust waste as a low-cost support-substrate for laccases production and adsorbent for azo dyes decolorization. <i>Journal of Environmental Health Science & Engineering</i> , 2016, 14, 1.	3.0	73
40	Assessment of <i>Corioloopsis gallica</i> -treated olive mill wastewater phytotoxicity on tomato plants. <i>Environmental Science and Pollution Research</i> , 2016, 23, 15370-15380.	5.3	5
41	Azo dyes decolourization by the laccase from <i>Trametes trogii</i> . <i>Journal of the Textile Institute</i> , 2016, 107, 1478-1482.	1.9	12
42	Biosynthesis of single-cell biomass from olive mill wastewater by newly isolated yeasts. <i>Environmental Science and Pollution Research</i> , 2016, 23, 6783-6792.	5.3	26
43	Fatty acid biosynthesis during the life cycle of <i>Debaryomyces etchellsii</i> . <i>Microbiology (United Kingdom)</i> 151:1078-1088 (2017)	1.8	12
44	Microbial diversity in tanning wastewaters treatment reactors. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 401-410.	2.3	8
45	Lipid accumulation in the new oleaginous yeast <i>Debaryomyces etchellsii</i> correlates with ascosporeogenesis. <i>Biomass and Bioenergy</i> , 2015, 80, 307-315.	5.7	22
46	Unhairing wastewater treatment by <i>Bacillus pumilus</i> and <i>Bacillus cereus</i> . <i>Desalination and Water Treatment</i> , 2015, 54, 683-689.	1.0	4
47	Structural, physicochemical and antioxidant properties of sodium alginate isolated from a Tunisian brown seaweed. <i>International Journal of Biological Macromolecules</i> , 2015, 72, 1358-1367.	7.5	176
48	Enhanced reduction of phenol content and toxicity in olive mill wastewaters by a newly isolated strain of <i>Corioloopsis gallica</i> . <i>Environmental Science and Pollution Research</i> , 2014, 21, 1746-1758.	5.3	16
49	Biodegradation of textile dyes by immobilized laccase from <i>Corioloopsis gallica</i> into Ca-alginate beads. <i>International Biodeterioration and Biodegradation</i> , 2014, 90, 71-78.	3.9	208
50	Olive oil mill wastewaters: Phenolic content characterization during degradation by <i>Corioloopsis gallica</i> . <i>Chemosphere</i> , 2014, 113, 62-70.	8.2	35
51	Purification and biochemical characterization of a new alkali-stable laccase from <i>Trametes</i> sp. isolated in Tunisia: role of the enzyme in olive mill waste water treatment. <i>World Journal of Microbiology and Biotechnology</i> , 2013, 29, 2145-2155.	3.6	33
52	Decolorization of the azo dye Acid Orange 51 by laccase produced in solid culture of a newly isolated <i>Trametes trogii</i> strain. <i>3 Biotech</i> , 2013, 3, 115-125.	2.2	24
53	Kinetic Properties of a Novel <i>Fusarium solani</i> (phospho)lipase: A Monolayer Study. <i>Chirality</i> , 2013, 25, 35-38.	2.6	5
54	Purification and biochemical characterization of a halotolerant <i>Staphylococcus</i> sp. extracellular lipase. <i>International Journal of Biological Macromolecules</i> , 2013, 57, 232-237.	7.5	34

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55	Decolorization and detoxification of two textile industry effluents by the laccase/1-hydroxybenzotriazole system. <i>Environmental Science and Pollution Research</i> , 2013, 20, 5177-5187.	5.3	20
56	Decolorization of the metal textile dye Lanaset Grey G by immobilized white-rot fungi. <i>Journal of Environmental Management</i> , 2013, 129, 324-332.	7.8	51
57	Application of response surface methodology to optimize decolourization of dyes by the laccase-mediator system. <i>Journal of Environmental Management</i> , 2012, 108, 84-91.	7.8	41
58	Purification and Biochemical Characterization of a Novel Alkaline (Phospho)lipase from a Newly Isolated <i>Fusarium solani</i> Strain. <i>Applied Biochemistry and Biotechnology</i> , 2012, 168, 2330-2343.	2.9	22
59	Enhanced decolourization of the azo dye Sirius rose BB by laccase-HBT system. <i>3 Biotech</i> , 2012, 2, 149-157.	2.2	6
60	Effect of natural mediators on the stability of <i>Trametes trogii</i> laccase during the decolourization of textile wastewaters. <i>Journal of Microbiology</i> , 2012, 50, 226-234.	2.8	27
61	Co-composting of spent coffee ground with olive mill wastewater sludge and poultry manure and effect of <i>Trametes versicolor</i> inoculation on the compost maturity. <i>Chemosphere</i> , 2012, 88, 677-682.	8.2	87
62	Combined biological processing and microfiltration in the treatment of unhairing wastewater. <i>Environmental Science and Pollution Research</i> , 2012, 19, 226-234.	5.3	6
63	Treatment of unhairing effluents by activated sludge system. <i>Environmental Progress and Sustainable Energy</i> , 2011, 30, 337-346.	2.3	4
64	Purification and characterization of a novel laccase from the ascomycete <i>Trichoderma atroviride</i> : Application on bioremediation of phenolic compounds. <i>Process Biochemistry</i> , 2010, 45, 507-513.	3.7	103
65	Decolourization and detoxification of textile industry wastewater by the laccase-mediator system. <i>Journal of Hazardous Materials</i> , 2010, 175, 802-808.	12.4	179
66	Investigation of endogenous biomass efficiency in the treatment of unhairing effluents from the tanning industry. <i>Environmental Technology (United Kingdom)</i> , 2009, 30, 911-919.	2.2	4
67	High level of laccases production by <i>Trametes trogii</i> culture on olive mill wastewater-based media, application in textile dye decolorization. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 1527-1532.	3.2	14
68	Effect of HBT on the stability of laccase during the decolourization of textile wastewaters. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 1828-1833.	3.2	22
69	Malachite green decolourization and detoxification by the laccase from a newly isolated strain of <i>Trametes</i> sp.. <i>International Biodeterioration and Biodegradation</i> , 2009, 63, 600-606.	3.9	60
70	Removal of organic load and phenolic compounds from olive mill wastewater by Fenton oxidation with zero-valent iron. <i>Chemical Engineering Journal</i> , 2009, 150, 391-395.	12.7	180
71	Evolution of the fatty fraction during co-composting of olive oil industry wastes with animal manure: Maturity assessment of the end product. <i>Chemosphere</i> , 2009, 75, 1382-1386.	8.2	43
72	Isolation and characterization of a mesophilic heavy-metals-tolerant sulfate-reducing bacterium <i>Desulfomicrobium</i> sp. from an enrichment culture using phosphogypsum as a sulfate source. <i>Journal of Hazardous Materials</i> , 2007, 140, 264-270.	12.4	60

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73	Zinc precipitation by heavy-metal tolerant sulfate-reducing bacteria enriched on phosphogypsum as a sulfate source. <i>Minerals Engineering</i> , 2007, 20, 173-178.	4.3	61
74	Remazol Brilliant Blue R decolourization by the laccase from <i>Trametes trogii</i> . <i>Chemosphere</i> , 2006, 64, 998-1005.	8.2	91
75	Purification and characterization of the laccase secreted by the white rot fungus <i>Perenniporia tephropora</i> and its role in the decolourization of synthetic dyes. <i>Journal of Applied Microbiology</i> , 2006, 102, 061120055200061-???	3.1	62
76	Laccase purification and characterization from <i>Trametes trogii</i> isolated in Tunisia: decolorization of textile dyes by the purified enzyme. <i>Enzyme and Microbial Technology</i> , 2006, 39, 141-148.	3.2	201
77	Anaerobic degradation of methoxylated aromatic compounds by <i>Clostridium methoxybenzovorans</i> and a nitrate-reducing bacterium <i>Thauera</i> sp. strain Cin3,4. <i>International Biodeterioration and Biodegradation</i> , 2005, 56, 224-230.	3.9	26
78	Sulfate reduction from phosphogypsum using a mixed culture of sulfate-reducing bacteria. <i>International Biodeterioration and Biodegradation</i> , 2005, 56, 236-242.	3.9	37
79	Purification and Characterization of Two Low Molecular Weight Endoglucanases Produced by <i>Penicillium occitanis</i> Mutant Pol 6. <i>Applied Biochemistry and Biotechnology</i> , 2005, 125, 099-112.	2.9	21
80	Evaluating process imbalance of anaerobic digestion of olive mill wastewaters. <i>Process Biochemistry</i> , 2005, 40, 139-145.	3.7	74
81	Screening for Ligninolytic Enzyme Production by Diverse Fungi from Tunisia. <i>World Journal of Microbiology and Biotechnology</i> , 2005, 21, 1415-1423.	3.6	62
82	<i>Alicyclophilus denitrificans</i> gen. nov., sp. nov., a cyclohexanol-degrading, nitrate-reducing β^2 -proteobacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2003, 53, 147-152.	1.7	97
83	Phylogenetic and metabolic diversity of bacteria degrading aromatic compounds under denitrifying conditions, and description of <i>Thauera phenylacetica</i> sp. nov., <i>Thauera aminoaromatica</i> sp. nov., and <i>Azoarcus buckelii</i> sp. nov.. <i>Archives of Microbiology</i> , 2002, 178, 26-35.	2.2	197
84	<i>Clostridium peptidivorans</i> sp. nov., a peptide-fermenting bacterium from an olive mill wastewater treatment digester.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2000, 50, 1259-1264.	1.7	28
85	<i>Clostridium methoxybenzovorans</i> sp. nov., a new aromatic o-demethylating homoacetogen from an olive mill wastewater treatment digester. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 1999, 49, 1201-1209.	1.7	81
86	<i>Sporobacterium olearium</i> gen. nov., sp. nov., a new methanethiol-producing bacterium that degrades aromatic compounds, isolated from an olive mill wastewater treatment digester. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 1999, 49, 1741-1748.	1.7	38
87	Characterization of a New Xylanolytic Bacterium, <i>Clostridium xylanovorans</i> sp. nov.. <i>Systematic and Applied Microbiology</i> , 1999, 22, 366-371.	2.8	26
88	<i>Eubacterium aggregans</i> sp. nov., a New Homoacetogenic Bacterium from Olive Mill Wastewater Treatment Digester. <i>Anaerobe</i> , 1998, 4, 283-291.	2.1	49