

# Gloria Caminal

## List of Publications by Year in descending order

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102  
papers

4,379  
citations

81900

39  
h-index

118850

62  
g-index

106  
all docs

106  
docs citations

106  
times ranked

4174  
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2022, 414, 439-449.	3.7	29
2	Process intensification at the expression system level for the production of 1-phosphate aldolase in antibiotic-free <i>E. coli</i> fed-batch cultures. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2022, 49, .	3.0	1
3	Cloning, expression, and one-step purification/immobilization of two carbohydrate-binding module-tagged alcohol dehydrogenases. <i>Journal of Biological Engineering</i> , 2022, 16, .	4.7	5
4	Combining biological processes with UV/H <sub>2</sub> O <sub>2</sub> for metoprolol and metoprolol acid removal in hospital wastewater. <i>Chemical Engineering Journal</i> , 2021, 404, 126482.	12.7	32
5	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.	12.4	11
6	Synthesis of a precursor of D-fagomine by immobilized fructose-6-phosphate aldolase. <i>PLoS ONE</i> , 2021, 16, e0250513.	2.5	3
7	Prospects on coupling UV/H <sub>2</sub> O <sub>2</sub> 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.	8.0	29
8	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.	7.8	11
9	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.	8.0	26
10	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.	8.2	23
11	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.	8.0	21
12	Dual carbon - chlorine isotope fractionation during dichloroelimination of 1,1,2-trichloroethane by an enrichment culture containing <i>Dehalogenimonas</i> sp. <i>Science of the Total Environment</i> , 2019, 648, 422-429.	8.0	14
13	Co-immobilization of P450 BM3 and glucose dehydrogenase on different supports for application as a self-sufficient oxidative biocatalyst. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 244-255.	3.2	20
14	Ketoisophorone Synthesis with an Immobilized Alcohol Dehydrogenase. <i>ChemCatChem</i> , 2019, 11, 4862-4870.	3.7	8
15	Trimethyl- $\mu$ -caprolactone synthesis with a novel immobilized glucose dehydrogenase and an immobilized thermostable cyclohexanone monooxygenase. <i>Applied Catalysis A: General</i> , 2019, 585, 117187.	4.3	6
16	Enzymatic Synthesis of Trimethyl- $\mu$ -caprolactone: Process Intensification and Demonstration on a 100 L Scale. <i>Organic Process Research and Development</i> , 2019, 23, 2336-2344.	2.7	12
17	Long-term continuous treatment of non-sterile real hospital wastewater by <i>Trametes versicolor</i> . <i>Journal of Biological Engineering</i> , 2019, 13, 47.	4.7	19
18	Can white-rot fungi be a real wastewater treatment alternative for organic micropollutants removal? A review. <i>Water Research</i> , 2018, 138, 137-151.	11.3	150

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19	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.	7.8	11
20	A comparison between biostimulation and bioaugmentation in a solid treatment of anaerobic sludge: Drug content and microbial evaluation. <i>Waste Management</i> , 2018, 72, 206-217.	7.4	16
21	A <i>Streptomyces lividans</i> SipY deficient strain as a host for protein production: standardization of operational alternatives for model proteins. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 217-223.	3.2	12
22	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.	11.3	99
23	Fungal treatment for the removal of endocrine disrupting compounds from reverse osmosis concentrate: Identification and monitoring of transformation products of benzotriazoles. <i>Chemosphere</i> , 2017, 184, 1054-1070.	8.2	20
24	Detoxification of 1,1,2-trichloroethane to ethene in a bioreactor co-culture of <i>Dehalogenimonas</i> and <i>Dehalococcoides mccartyi</i> strains. <i>Journal of Hazardous Materials</i> , 2017, 331, 218-225.	12.4	21
25	Study of the effect of the bacterial and fungal communities present in real wastewater effluents on the performance of fungal treatments. <i>Science of the Total Environment</i> , 2017, 579, 366-377.	8.0	56
26	A microbial consortium from a biomixture swiftly degrades high concentrations of carbofuran in fluidized-bed reactors. <i>Process Biochemistry</i> , 2016, 51, 1585-1593.	3.7	19
27	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.	12.4	49
28	Fungal treatment for the removal of antibiotics and antibiotic resistance genes in veterinary hospital wastewater. <i>Chemosphere</i> , 2016, 152, 301-308.	8.2	92
29	Continuous fungal treatment of non-sterile veterinary hospital effluent: pharmaceuticals removal and microbial community assessment. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 2401-2415.	3.6	46
30	Using promoter libraries to reduce metabolic burden due to plasmid-encoded proteins in recombinant <i>Escherichia coli</i> . <i>New Biotechnology</i> , 2016, 33, 78-90.	4.4	38
31	Stable Carbon Isotope Fractionation During 1,2-Dichloropropane-to-Propene Transformation by an Enrichment Culture Containing <i>Dehalogenimonas</i> Strains and a <i>dcpA</i> Gene. <i>Environmental Science &amp; Technology</i> , 2015, 49, 8666-8674.	10.0	28
32	Degradation of pharmaceuticals from membrane biological reactor sludge with <i>Trametes versicolor</i> . <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 429-440.	3.5	28
33	Identification of some factors affecting pharmaceutical active compounds (PhACs) removal in real wastewater. Case study of fungal treatment of reverse osmosis concentrate. <i>Journal of Hazardous Materials</i> , 2015, 283, 663-671.	12.4	85
34	Degradation of selected agrochemicals by the white rot fungus <i>Trametes versicolor</i> . <i>Science of the Total Environment</i> , 2014, 500-501, 235-242.	8.0	72
35	Use of stable isotope probing to assess the fate of emerging contaminants degraded by white-rot fungus. <i>Chemosphere</i> , 2014, 103, 336-342.	8.2	27
36	Re-inoculation strategies enhance the degradation of emerging pollutants in fungal bioaugmentation of sewage sludge. <i>Bioresource Technology</i> , 2014, 168, 180-189.	9.6	43

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37	Fungal permeable reactive barrier to remediate groundwater in an artificial aquifer. <i>Journal of Hazardous Materials</i> , 2013, 262, 554-560.	12.4	34
38	New ammonia lyases and amine transaminases: Standardization of production process and preparation of immobilized biocatalysts. <i>Electronic Journal of Biotechnology</i> , 2013, 16, .	2.2	3
39	Evidencing the role of lactose permease in IPTG uptake by <i>Escherichia coli</i> in fed-batch high cell density cultures. <i>Journal of Biotechnology</i> , 2012, 157, 391-398.	3.8	42
40	Direct measurements of IPTG enable analysis of the induction behavior of <i>E. coli</i> in high cell density cultures. <i>Microbial Cell Factories</i> , 2012, 11, 58.	4.0	19
41	Bioaugmentation of Sewage Sludge with <i>Trametes versicolor</i> in Solid-Phase Biopiles Produces Degradation of Pharmaceuticals and Affects Microbial Communities. <i>Environmental Science &amp; Technology</i> , 2012, 46, 12012-12020.	10.0	50
42	Removal of pharmaceuticals, polybrominated flame retardants and UV-filters from sludge by the fungus <i>Trametes versicolor</i> in bioslurry reactor. <i>Journal of Hazardous Materials</i> , 2012, 233-234, 235-243.	12.4	70
43	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.	4.7	43
44	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, 333-341.	3.0	2
45	Evaluation of fungal- and photo-degradation as potential treatments for the removal of sunscreens BP3 and BP1. <i>Science of the Total Environment</i> , 2012, 427-428, 355-363.	8.0	105
46	Degradation of UV filters in sewage sludge and 4-MBC in liquid medium by the ligninolytic fungus <i>Trametes versicolor</i> . <i>Journal of Environmental Management</i> , 2012, 104, 114-120.	7.8	55
47	Continuous degradation of a mixture of sulfonamides by <i>Trametes versicolor</i> and identification of metabolites from sulfapyridine and sulfathiazole. <i>Journal of Hazardous Materials</i> , 2012, 213-214, 347-354.	12.4	85
48	Biodegradation of sulfamethazine by <i>Trametes versicolor</i> : Removal from sewage sludge and identification of intermediate products by UPLC-QqTOF-MS. <i>Science of the Total Environment</i> , 2011, 409, 5505-5512.	8.0	127
49	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.	3.9	119
50	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.	3.9	22
51	Expression of metalloprotease inhibitors in <i>Escherichia coli</i> : effect of cysteine content and protein size in the secretory production of disulfide-bridged proteins. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011, 38, 1553-1560.	3.0	5
52	Solid-phase treatment with the fungus <i>Trametes versicolor</i> substantially reduces pharmaceutical concentrations and toxicity from sewage sludge. <i>Bioresource Technology</i> , 2011, 102, 5602-5608.	9.6	69
53	Influence of specific growth rate over the secretory expression of recombinant potato carboxypeptidase inhibitor in fed-batch cultures of <i>Escherichia coli</i> . <i>Process Biochemistry</i> , 2010, 45, 1334-1341.	3.7	13
54	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.	8.8	62

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55	Immobilization of PLP-dependent enzymes with cofactor retention and enhanced stability. <i>Biochemical Engineering Journal</i> , 2010, 49, 414-421.	3.6	10
56	Degradation of the drug sodium diclofenac by <i>Trametes versicolor</i> pellets and identification of some intermediates by NMR. <i>Journal of Hazardous Materials</i> , 2010, 176, 836-842.	12.4	187
57	Naproxen degradation test to monitor <i>Trametes versicolor</i> activity in solid-state bioremediation processes. <i>Journal of Hazardous Materials</i> , 2010, 179, 1152-1155.	12.4	36
58	Advanced oxidation of benzene, toluene, ethylbenzene and xylene isomers (BTEX) by <i>Trametes versicolor</i> . <i>Journal of Hazardous Materials</i> , 2010, 181, 181-186.	12.4	48
59	Biodegradation of the analgesic naproxen by <i>Trametes versicolor</i> and identification of intermediates using HPLC-DAD-MS and NMR. <i>Bioresource Technology</i> , 2010, 101, 2159-2166.	9.6	166
60	Degradation of naproxen and carbamazepine in spiked sludge by slurry and solid-phase <i>Trametes versicolor</i> systems. <i>Bioresource Technology</i> , 2010, 101, 2259-2266.	9.6	98
61	Development and Validation of a Liquid Chromatography-Mass Spectrometry Assay for the Quantitation of IPTG in <i>E. Coli</i> Fed-Batch Cultures. <i>Analytical Chemistry</i> , 2010, 82, 5728-5734.	6.5	13
62	White-rot fungus-mediated degradation of the analgesic ketoprofen and identification of intermediates by HPLC-MS and NMR. <i>Chemosphere</i> , 2010, 78, 474-481.	8.2	102
63	Oxidation of atenolol, propranolol, carbamazepine and clofibric acid by a biological Fenton-like system mediated by the white-rot fungus <i>Trametes versicolor</i> . <i>Water Research</i> , 2010, 44, 521-532.	11.3	94
64	Dechlorination of 1,2,3- and 1,2,4-trichlorobenzene by the white-rot fungus <i>Trametes versicolor</i> . <i>Journal of Hazardous Materials</i> , 2009, 166, 1141-1147.	12.4	37
65	Induction of hydroxyl radical production in <i>Trametes versicolor</i> to degrade recalcitrant chlorinated hydrocarbons. <i>Bioresource Technology</i> , 2009, 100, 5757-5762.	9.6	25
66	Ability of white-rot fungi to remove selected pharmaceuticals and identification of degradation products of ibuprofen by <i>Trametes versicolor</i> . <i>Chemosphere</i> , 2009, 74, 765-772.	8.2	303
67	Metabolites from the biodegradation of triphenylmethane dyes by <i>Trametes versicolor</i> or laccase. <i>Chemosphere</i> , 2009, 75, 1344-1349.	8.2	69
68	<i>Trametes versicolor</i> pellets production: Low-cost medium and scale-up. <i>Biochemical Engineering Journal</i> , 2008, 42, 61-66.	3.6	47
69	Aerobic degradation by white-rot fungi of trichloroethylene (TCE) and mixtures of TCE and perchloroethylene (PCE). <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 1190-1196.	3.2	20
70	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.	12.7	8
71	Mechanistics of trichloroethylene mineralization by the white-rot fungus <i>Trametes versicolor</i> . <i>Chemosphere</i> , 2008, 70, 404-410.	8.2	51
72	Development of an antibiotic-free plasmid selection system based on glycine auxotrophy for recombinant protein overproduction in <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2008, 134, 127-136.	3.8	81

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73	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.	12.7	46
74	Title is missing!. <i>Microbial Cell Factories</i> , 2006, 5, P85.	4.0	1
75	Novel Aerobic Perchloroethylene Degradation by the White-Rot Fungus <i>Trametes versicolor</i> . <i>Environmental Science &amp; Technology</i> , 2006, 40, 7796-7802.	10.0	43
76	One step purification and immobilization of fuculose-1-phosphate aldolase, a class II DHAP dependent aldolase, by using metal-chelate supports. <i>Enzyme and Microbial Technology</i> , 2006, 39, 22-27.	3.2	25
77	Different approaches to improving the textile dye degradation capacity of <i>Trametes versicolor</i> . <i>Biochemical Engineering Journal</i> , 2006, 31, 42-47.	3.6	51
78	Recombinant production of serine hydroxymethyl transferase from <i>Streptococcus thermophilus</i> and its preliminary evaluation as a biocatalyst. <i>Applied Microbiology and Biotechnology</i> , 2005, 68, 489-497.	3.6	32
79	Influence of induction and operation mode on recombinant rhamnulose 1-phosphate aldolase production by <i>Escherichia coli</i> using the T5 promoter. <i>Journal of Biotechnology</i> , 2005, 118, 75-87.	3.8	40
80	Studies on the expression of recombinant fuculose-1-phosphate aldolase in <i>E. coli</i> . <i>Process Biochemistry</i> , 2004, 39, 1677-1684.	3.7	20
81	Mechanism of textile metal dye biotransformation by <i>Trametes versicolor</i> . <i>Water Research</i> , 2004, 38, 2166-2172.	11.3	201
82	Black liquor detoxification by laccase of <i>Trametes versicolor</i> pellets. <i>Journal of Chemical Technology and Biotechnology</i> , 2003, 78, 548-554.	3.2	55
83	High-level production of recombinant His-tagged rhamnulose 1-phosphate aldolase in <i>Escherichia coli</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2003, 78, 1171-1179.	3.2	30
84	Olive Oil Mill Waste Waters Decoloration and Detoxification in a Bioreactor by the White Rot Fungus <i>Phanerochaete flavidio-alba</i> . <i>Biotechnology Progress</i> , 2002, 18, 660-662.	2.6	33
85	Integrated Process for the Enzymatic Synthesis of the Octapeptide PhAcCCK-8. <i>Biotechnology Progress</i> , 2002, 18, 1214-1220.	2.6	12
86	Lipase-catalysed synthesis of natural ethanol esters: effect of water removal on enzyme reutilisation. <i>Journal of Chemical Technology and Biotechnology</i> , 2000, 75, 991-996.	3.2	3
87	A Novel Activity of Immobilized Penicillin G Acylase: Removal of Benzylloxycarbonyl Amino Protecting Group. <i>Biocatalysis and Biotransformation</i> , 2000, 18, 253-258.	2.0	8
88	Peptide Synthesis in Non-Aqueous Media. , 2000, , 110-132.		5
89	Reaction Engineering for Consecutive Enzymatic Reactions in Peptide Synthesis: Application to the Synthesis of a Pentapeptide. <i>Biotechnology Progress</i> , 1997, 13, 783-787.	2.6	7
90	Enzymatic condensation of cholecystokinin CCK-8 (4-6) and CCK-8 (7-8) peptide fragments in organic media. , 1997, 56, 456-463.		23

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91	N-Protection of Amino Acid Derivatives Catalyzed by Immobilized Penicillin G Acylase. <i>Biocatalysis and Biotransformation</i> , 1996, 14, 317-332.	2.0	7
92	Synthesis of sulfated bioactive peptides using immobilized arylsulfotransferase from <i>Eubacterium</i> sp.. <i>Biotechnology Letters</i> , 1996, 18, 609-614.	2.2	3
93	Influence of Water Activity and Support Material on the Enzymatic Synthesis of a Cck-8 Tripeptide Fragment. <i>Biocatalysis and Biotransformation</i> , 1996, 13, 165-178.	2.0	16
94	Papain Immobilization Study in Enzymatic Synthesis of Dipeptide Gly-Phe. <i>Biocatalysis</i> , 1994, 11, 273-281.	0.9	6
95	Reaction Medium Selection for An Enzymatic Peptide Synthesis in An Aqueous-Organic Two-Phase System. <i>Biocatalysis</i> , 1992, 7, 49-60.	0.9	10
96	A novel application of immobilized enzymes: Affinity chromatography separations using enzymes depending of a cofactor. <i>Biotechnology Letters</i> , 1992, 6, 451-454.	0.5	1
97	Production of arabitol from glucose by <i>Hansenula polymorpha</i> . <i>Journal of Bioscience and Bioengineering</i> , 1990, 70, 228-231.	0.9	20
98	Biomass production by a thermotolerant yeast: <i>Hansenula polymorpha</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 1990, 48, 61-70.	3.2	6
99	A kinetic model for pretreated wheat straw saccharification by cellulase. <i>Journal of Chemical Technology and Biotechnology</i> , 1989, 44, 275-288.	3.2	23
100	Application of extended Kalman filter to identification of enzymatic deactivation. <i>Biotechnology and Bioengineering</i> , 1987, 29, 366-369.	3.3	21
101	Dilute acid hydrolysis of wheat straw hemicellulose at moderate temperature: A simplified kinetic model. <i>Biotechnology and Bioengineering</i> , 1986, 28, 288-293.	3.3	70
102	Kinetic modeling of the enzymatic hydrolysis of pretreated cellulose. <i>Biotechnology and Bioengineering</i> , 1985, 27, 1282-1290.	3.3	56