

Jean-Pierre Magnin

List of Publications by Year in descending order

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papers

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times ranked

810
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling of hydrogen production in batch cultures of the photosynthetic bacterium <i>Rhodobacter capsulatus</i> . <i>International Journal of Hydrogen Energy</i> , 2009, 34, 180-185.	3.8	78
2	Increasing biohydrogen production by metabolic engineering. <i>International Journal of Hydrogen Energy</i> , 2006, 31, 1478-1483.	3.8	59
3	Kinetic analysis of photosynthetic growth and photohydrogen production of two strains of <i>Rhodobacter Capsulatus</i> . <i>Enzyme and Microbial Technology</i> , 2006, 38, 253-259.	1.6	55
4	Effectiveness of ultrasound for the destruction of <i>Mycobacterium sp.</i> strain (6PY1). <i>Ultrasonics Sonochemistry</i> , 2010, 17, 106-110.	3.8	40
5	Cadmium Tolerance and Uptake by a <i>Thiobacillus Ferrooxidans</i> Biomass. <i>Environmental Technology (United Kingdom)</i> , 1997, 18, 631-637.	1.2	32
6	Copper ion removal by <i>Thiobacillus ferrooxidans</i> biomass. <i>Biotechnology Letters</i> , 1998, 20, 187-190.	1.1	31
7	Zinc and lead leaching from contaminated industrial waste sludges using coupled processes. <i>Environmental Technology (United Kingdom)</i> , 2010, 31, 1577-1585.	1.2	28
8	Optimization and modeling of phenanthrene degradation by <i>Mycobacterium sp.</i> 6PY1 in a biphasic medium using response-surface methodology. <i>Applied Microbiology and Biotechnology</i> , 2008, 78, 881-888.	1.7	27
9	Electrochemical Approach in Studying the Inactivation of Immobilized Acetylcholinesterase by Arsenate(III). <i>Electroanalysis</i> , 1998, 10, 994-998.	1.5	25
10	Bacterial sensors based on <i>Acidithiobacillus ferrooxidans</i> . <i>Biosensors and Bioelectronics</i> , 2006, 21, 1493-1500.	5.3	25
11	Chromium precipitation by the acidophilic bacterium <i>Thiobacillus ferrooxidans</i> . <i>Biotechnology Letters</i> , 1998, 20, 95-99.	1.1	23
12	Zinc biosorption by the purple non-sulfur bacterium <i>Rhodobacter capsulatus</i> . <i>Canadian Journal of Microbiology</i> , 2014, 60, 829-837.	0.8	23
13	Biorefinery concept comprising acid hydrolysis, dark fermentation, and anaerobic digestion for co-processing of fruit and vegetable wastes and corn stover. <i>Environmental Science and Pollution Research</i> , 2020, 27, 28585-28596.	2.7	23
14	State estimation of a batch hydrogen production process using the photosynthetic bacteria <i>Rhodobacter capsulatus</i> . <i>International Journal of Hydrogen Energy</i> , 2010, 35, 10719-10724.	3.8	22
15	Isolation and characterization of <i>Rhodobacter capsulatus</i> strains lacking endogenous plasmids. <i>Archives of Microbiology</i> , 1987, 147, 134-142.	1.0	20
16	Bacterial sensors based on <i>Acidithiobacillus ferrooxidans</i> . <i>Biosensors and Bioelectronics</i> , 2006, 21, 1501-1506.	5.3	20
17	Batch biohydrogen production from dilute acid hydrolyzates of fruits-and-vegetables wastes and corn stover as co-substrates. <i>Biomass and Bioenergy</i> , 2020, 140, 105666.	2.9	20
18	Electrochemical sensor based on <i>Arthrobacter globiformis</i> for cholinesterase activity determination. <i>Biosensors and Bioelectronics</i> , 2006, 22, 1-9.	5.3	18

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19	Hydrogen generation in a pressurized photobioreactor: Unexpected enhancement of biohydrogen production by the phototrophic bacterium <i>Rhodobacter capsulatus</i> . <i>Applied Energy</i> , 2019, 239, 635-643.	5.1	18
20	Reliable determination of the growth and hydrogen production parameters of the photosynthetic bacterium <i>Rhodobacter capsulatus</i> in fed batch culture using a combination of the Gompertz function and the Luedeking-Piret model. <i>Heliyon</i> , 2021, 7, e07394.	1.4	17
21	Simultaneous determination of species by Differential Alternative Pulses Voltammetry. <i>Electrochemistry Communications</i> , 2006, 8, 1699-1706.	2.3	16
22	<i>Leptospirillum ferrooxidans</i> based Fe ²⁺ sensor. <i>Biosensors and Bioelectronics</i> , 2009, 25, 482-487.	5.3	16
23	Modeling And Optimization of Hydrogen Production By The Photosynthetic Bacterium <i>Rhodobacter capsulatus</i> By The Methodology Of Design Of Experiments (DOE): Interaction Between Lactate Concentration And Light Luminosity. <i>Energy Procedia</i> , 2012, 29, 357-366.	1.8	14
24	Augmentation, par régénération électrochimique du substrat, de la production d'une biomasse (<i>thiobacillus ferrooxidans</i> DSM 583) pour un procédé biologique de régénération de métaux. <i>Canadian Journal of Chemical Engineering</i> , 1998, 76, 978-984.	0.9	11
25	Adaptation of a <i>Mycobacterium</i> strain to phenanthrene degradation in a biphasic culture system: influence on interfacial area and droplet size. <i>Biotechnology Letters</i> , 2009, 31, 57-63.	1.1	10
26	Evaluation of feeding strategies in upflow anaerobic sludge bed reactor for hydrogenogenesis at psychrophilic temperature. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 12346-12355.	3.8	10
27	Elimination of R plasmids from the photosynthetic bacterium <i>Rhodobacter capsulatus</i> . <i>FEMS Microbiology Letters</i> , 1987, 41, 157-161.	0.7	9
28	Polyphenol, polysaccharide and lactate extraction from pulping factory black liquor by ionic liquids. <i>Separation and Purification Technology</i> , 2018, 196, 140-148.	3.9	8
29	Enhancement of mass transfer characteristics and phenanthrene degradation in a two-phase partitioning bioreactor equipped with internal static mixers. <i>Biotechnology and Bioprocess Engineering</i> , 2011, 16, 413-418.	1.4	5
30	Role and Evolution of Endogenous Plasmids in Photosynthetic Bacteria. <i>Advances in Botanical Research</i> , 2013, , 227-265.	0.5	4
31	Photohydrogen production from lactose and lactate by recombinant strains of <i>Rhodobacter capsulatus</i> : Modeling and optimization. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 21231-21245.	3.8	4
32	<i>Acidithiobacillus ferrooxidans</i> fixation on mercuric surfaces and its application in stripping voltammetry. <i>Biosensors and Bioelectronics</i> , 2006, 21, 1753-1759.	5.3	2
33	Application of TiO ₂ Modified Boron Doped Diamond (BDD) Electrode for As(III) Determination in Natural Waters. <i>ECS Transactions</i> , 2009, 19, 87-93.	0.3	1
34	Reversible Hydrogen Electrode Application as Indicator Electrode for Real Time Kinetic Study of Microbial H ₂ Production. <i>ECS Transactions</i> , 2010, 33, 87-94.	0.3	1
35	Estimation d'état de bioprocédés par un observateur linéaire commutés ensembliste. <i>Journal Européen Des Systemes Automatisés</i> , 2010, 44, 509-524.	0.3	0
36	Organization of the Genes Encoding Uptake Hydrogenase in the Photosynthetic Bacterium <i>Rhodobacter Capsulatus</i> . , 1991, , 503-508.		0