Jean-Pierre Magnin

List of Publications by Year
in descending order

36	715	430754	552653
papers	citations	18 h-index	26 g-index

36	36	36	810
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reliable determination of the growth and hydrogen production parameters of the photosynthetic bacterium Rhodobacter capsulatus in fed batch culture using a combination of the Gompertz function and the Luedeking-Piret model. Heliyon, 2021, 7, e07394.	1.4	17
2	Batch biohydrogen production from dilute acid hydrolyzates of fruits-and-vegetables wastes and corn stover as co-substrates. Biomass and Bioenergy, 2020, 140, 105666.	2.9	20
3	Biorefinery concept comprising acid hydrolysis, dark fermentation, and anaerobic digestion for co-processing of fruit and vegetable wastes and corn stover. Environmental Science and Pollution Research, 2020, 27, 28585-28596.	2.7	23
4	Hydrogen generation in a pressurized photobioreactor: Unexpected enhancement of biohydrogen production by the phototrophic bacterium Rhodobacter capsulatus. Applied Energy, 2019, 239, 635-643.	5.1	18
5	Evaluation of feeding strategies in upflow anaerobic sludge bed reactor for hydrogenogenesis at psychrophilic temperature. International Journal of Hydrogen Energy, 2019, 44, 12346-12355.	3.8	10
6	Polyphenol, polysaccharide and lactate extraction from pulping factory black liquor by ionic liquids. Separation and Purification Technology, 2018, 196, 140-148.	3.9	8
7	Photohydrogen production from lactose and lactate by recombinant strains of Rhodobacter capsulatus: Modeling and optimization. International Journal of Hydrogen Energy, 2018, 43, 21231-21245.	3.8	4
8	Zinc biosorption by the purple non-sulfur bacterium Rhodobacter capsulatus. Canadian Journal of Microbiology, 2014, 60, 829-837.	0.8	23
9	Role and Evolution of Endogenous Plasmids in Photosynthetic Bacteria. Advances in Botanical Research, 2013, , 227-265.	0.5	4
10	Modeling And Optimization of Hydrogen Production By The Photosynthetic Bacterium Rhodobacter capsulatus By The Methodology Of Design Of Experiments (DOE): Interaction Between Lactate Concentration And Light Luminosity. Energy Procedia, 2012, 29, 357-366.	1.8	14
11	Enhancement of mass transfer characteristics and phenanthrene degradation in a two-phase partitioning bioreactor equipped with internal static mixers. Biotechnology and Bioprocess Engineering, 2011, 16, 413-418.	1.4	5
12	State estimation of a batch hydrogen production process using the photosynthetic bacteria Rhodobacter capsulatus. International Journal of Hydrogen Energy, 2010, 35, 10719-10724.	3.8	22
13	Effectiveness of ultrasound for the destruction of Mycobacterium sp. strain (6PY1). Ultrasonics Sonochemistry, 2010, 17, 106-110.	3.8	40
14	Reversible Hydrogen Electrode Application as Indicator Electrode for Real Time Kinetic Study of Microbial H2 Production. ECS Transactions, 2010, 33, 87-94.	0.3	1
15	Zinc and lead leaching from contaminated industrial waste sludges using coupled processes. Environmental Technology (United Kingdom), 2010, 31, 1577-1585.	1.2	28
16	Estimation d'Ã©tat de bioprocÃ©dÃ©s par un observateur linÃ©aire commutÃ© ensembliste. Journal Europeen Des Systemes Automatises, 2010, 44, 509-524.	0.3	0
17	Application of TiO₂ Modified Boron Doped Diamond (BDD) Electrode for As(III) Determination in Natural Waters. ECS Transactions, 2009, 19, 87-93.	0.3	1
18	Adaptation of a Mycobacterium strain to phenanthrene degradation in a biphasic culture system: influence on interfacial area and droplet size. Biotechnology Letters, 2009, 31, 57-63.	1.1	10

#	Article	IF	Citations
19	Modelling of hydrogen production in batch cultures of the photosynthetic bacterium Rhodobacter capsulatus. International Journal of Hydrogen Energy, 2009, 34, 180-185.	3.8	78
20	Leptospirillum ferrooxidans based Fe2+ sensor. Biosensors and Bioelectronics, 2009, 25, 482-487.	5.3	16
21	Optimization and modeling of phenanthrene degradation by Mycobacterium sp. 6PY1 in a biphasic medium using response-surface methodology. Applied Microbiology and Biotechnology, 2008, 78, 881-888.	1.7	27
22	Bacterial sensors based on Acidithiobacillus ferrooxidans. Biosensors and Bioelectronics, 2006, 21, 1501-1506.	5.3	20
23	Bacterial sensors based on Acidithiobacillus ferrooxidans. Biosensors and Bioelectronics, 2006, 21, 1493-1500.	5.3	25
24	Electrochemical sensor based on Arthrobacter globiformis for cholinesterase activity determination. Biosensors and Bioelectronics, 2006, 22, 1-9.	5.3	18
25	Simultaneous determination of species by Differential Alternative Pulses Voltammetry. Electrochemistry Communications, 2006, 8, 1699-1706.	2.3	16
26	Kinetic analysis of photosynthetic growth and photohydrogen production of two strains of Rhodobacter Capsulatus. Enzyme and Microbial Technology, 2006, 38, 253-259.	1.6	55
27	Increasing biohydrogen production by metabolic engineering. International Journal of Hydrogen Energy, 2006, 31, 1478-1483.	3.8	59
28	Acidithiobacillus ferrooxidans fixation on mercuric surfaces and its application in stripping voltammetry. Biosensors and Bioelectronics, 2006, 21, 1753-1759.	5.3	2
29	Copper ion removal by Thiobacillus ferrooxidans biomass. Biotechnology Letters, 1998, 20, 187-190.	1.1	31
30	Chromium precipitation by the acidophilic bacterium Thiobacillus ferrooxidans. Biotechnology Letters, 1998, 20, 95-99.	1.1	23
31	Augmentation, par rÃ©gÃ©nÃ©ration Ã©lectrochimique du substrat, de la production d'une biomasse (thiobacillus ferrooxidans DSM 583) pour un procÃ©dÃ© biologique de rÃ©cupÃ©ration de mÃ©taux. Canadian Journal of Chemical Engineering, 1998, 76, 978-984.	0.9	11
32	Electrochemical Approach in Studying the Inactivation of Immobilized Acetylcholinesterase by Arsenate(III). Electroanalysis, 1998, 10, 994-998.	1.5	25
33	Cadmium Tolerance and Uptake by a Thiobacillus Ferrooxidans Biomass. Environmental Technology (United Kingdom), 1997, 18, 631-637.	1.2	32
34	Organization of the Genes Encoding Uptake Hydrogenase in the Photosynthetic Bacterium Rhodobacter Capsulatus. , 1991, , 503-508.		0
35	Isolation and characterization of Rhodobacter capsulatus strains lacking endogenous plasmids. Archives of Microbiology, 1987, 147, 134-142.	1.0	20
36	Elimination of R plasmids from the photosynthetic bacteriumRhodobacter capsulatus. FEMS Microbiology Letters, 1987, 41, 157-161.	0.7	9