

Jean-Sébastien DeschÃªnes

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

440
citations

933447

10
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

594
citing authors

#	ARTICLE	IF	CITATIONS
1	Mixotrophic cultivation of green microalgae <i>Scenedesmus obliquus</i> on cheese whey permeate for biodiesel production. <i>Algal Research</i> , 2014, 5, 241-248.	4.6	143
2	Marennine, Promising Blue Pigments from a Widespread <i>Haslea</i> Diatom Species Complex. <i>Marine Drugs</i> , 2014, 12, 3161-3189.	4.6	81
3	Mixotrophic production of microalgae in pilot-scale photobioreactors: Practicability and process considerations. <i>Algal Research</i> , 2015, 10, 80-86.	4.6	45
4	Prophylactic effect of <i>Haslea ostrearia</i> culture supernatant containing the pigment marennine to stabilize bivalve hatchery production. <i>Aquatic Living Resources</i> , 2016, 29, 401.	1.2	19
5	Acid whey permeate: An alternative growth medium for microalgae <i>Tetradasmus obliquus</i> and production of Î²-galactosidase. <i>Algal Research</i> , 2019, 41, 101559.	4.6	19
6	Evidence of the production of galactooligosaccharide from whey permeate by the microalgae <i>Tetradasmus obliquus</i> . <i>Algal Research</i> , 2019, 39, 101470.	4.6	18
7	Investigation of Î²-galactosidase production by microalga <i>Tetradasmus obliquus</i> in determined growth conditions. <i>Journal of Applied Phycology</i> , 2019, 31, 301-308.	2.8	16
8	FT-IR/ATR univariate and multivariate calibration models for in situ monitoring of sugars in complex microalgal culture media. <i>Bioresource Technology</i> , 2013, 144, 664-668.	9.6	15
9	Harmful or harmless: Biological effects of marennine on marine organisms. <i>Aquatic Toxicology</i> , 2019, 209, 13-25.	4.0	11
10	A Bacteriostatic Control Approach for Mixotrophic Cultures of Microalgae. <i>IFAC-PapersOnLine</i> , 2016, 49, 1074-1078.	0.9	10
11	Extremum seeking based on a Hammerstein-Wiener representation. <i>IFAC-PapersOnLine</i> , 2018, 51, 744-749.	0.9	10
12	Lab@home for analog electronic circuit laboratory. , 2012, , .		8
13	Dynamic Optimization of Biomass Productivity in Continuous Cultures of Microalgae <i>Isochrysis galbana</i> through Modulation of the Light Intensity. <i>IFAC-PapersOnLine</i> , 2015, 48, 1093-1099.	0.9	7
14	Development and validation of an <i>in situ</i> and real-time quantification method for bicarbonate, carbonate and orthophosphate ions by ATR FT-IR spectroscopy in aqueous solutions. <i>Analyst</i> , The, 2018, 143, 4387-4393.	3.5	6
15	Extremum Seeking Control of Batch Cultures of Microalgae <i>Nannochloropsis Oculata</i> in Pre-Industrial Scale Photobioreactors. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012, 45, 585-590.	0.4	5
16	Achievable performances for basic perturbation-based extremum seeking control in Wiener-Hammerstein plants. , 2013, , .		5
17	Extraction Improvement of the Bioactive Blue-Green Pigment "Marennine" from Diatom <i>Haslea ostrearia</i> "Blue Water: A Solid-Phase Method Based on Graphitic Matrices. <i>Marine Drugs</i> , 2020, 18, 653.	4.6	5
18	Investigating the action of the microalgal pigment marennine on <i>Vibrio splendidus</i> by in vivo 2H and 31P solid-state NMR. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183642.	2.6	5

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19	Influence of sweet whey permeate utilization on <i>Tetrademus obliquus</i> growth and Î²-galactosidase production. Canadian Journal of Chemical Engineering, 2022, 100, 1479-1488.	1.7	4
20	Media optimization design towards maximizing biomass production of <i>Tetrademus obliquus</i> under mixotrophic conditions. Bioresource Technology Reports, 2022, 17, 100885.	2.7	4
21	A slope seeking-based approach for optimal and sub-optimal SISO process control: Application to microalgae culture. IFAC-PapersOnLine, 2019, 52, 370-375.	0.9	2
22	Semi-continuous system for benthic diatom cultivation and marennine production. Algal Research, 2022, 62, 102633.	4.6	2