

Jean-Sébastien DeschÃªnes

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

440
citations

933447

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594
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | 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 |
| 2 | Media optimization design towards maximizing biomass production of <i>Tetrademus obliquus</i> under mixotrophic conditions. Bioresource Technology Reports, 2022, 17, 100885. | 2.7 | 4 |
| 3 | Semi-continuous system for benthic diatom cultivation and marennine production. Algal Research, 2022, 62, 102633. | 4.6 | 2 |
| 4 | Investigating the action of the microalgal pigment marennine on <i>Vibrio splendidus</i> by in vivo 2H and 31P solid-state NMR. Biochimica Et Biophysica Acta - Biomembranes, 2021, 1863, 183642. | 2.6 | 5 |
| 5 | Extraction Improvement of the Bioactive Blue-Green Pigment Marennine from Diatom <i>Haslea ostrearia</i> 's Blue Water: A Solid-Phase Method Based on Graphitic Matrices. Marine Drugs, 2020, 18, 653. | 4.6 | 5 |
| 6 | Investigation of Î²-galactosidase production by microalga <i>Tetrademus obliquus</i> in determined growth conditions. Journal of Applied Phycology, 2019, 31, 301-308. | 2.8 | 16 |
| 7 | 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 |
| 8 | Harmful or harmless: Biological effects of marennine on marine organisms. Aquatic Toxicology, 2019, 209, 13-25. | 4.0 | 11 |
| 9 | Acid whey permeate: An alternative growth medium for microalgae <i>Tetrademus obliquus</i> and production of Î²-galactosidase. Algal Research, 2019, 41, 101559. | 4.6 | 19 |
| 10 | Evidence of the production of galactooligosaccharide from whey permeate by the microalgae <i>Tetrademus obliquus</i> . Algal Research, 2019, 39, 101470. | 4.6 | 18 |
| 11 | Extremum seeking based on a Hammerstein-Wiener representation. IFAC-PapersOnLine, 2018, 51, 744-749. | 0.9 | 10 |
| 12 | 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. Analyst, The, 2018, 143, 4387-4393. | 3.5 | 6 |
| 13 | A Bacteriostatic Control Approach for Mixotrophic Cultures of Microalgae. IFAC-PapersOnLine, 2016, 49, 1074-1078. | 0.9 | 10 |
| 14 | Prophylactic effect of <i>Haslea ostrearia</i> culture supernatant containing the pigment marennine to stabilize bivalve hatchery production. Aquatic Living Resources, 2016, 29, 401. | 1.2 | 19 |
| 15 | Dynamic Optimization of Biomass Productivity in Continuous Cultures of Microalgae <i>Isochrysis galbana</i> through Modulation of the Light Intensity. IFAC-PapersOnLine, 2015, 48, 1093-1099. | 0.9 | 7 |
| 16 | Mixotrophic production of microalgae in pilot-scale photobioreactors: Practicability and process considerations. Algal Research, 2015, 10, 80-86. | 4.6 | 45 |
| 17 | Mixotrophic cultivation of green microalgae <i>Scenedesmus obliquus</i> on cheese whey permeate for biodiesel production. Algal Research, 2014, 5, 241-248. | 4.6 | 143 |
| 18 | Marennine, Promising Blue Pigments from a Widespread <i>Haslea</i> Diatom Species Complex. Marine Drugs, 2014, 12, 3161-3189. | 4.6 | 81 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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 |
| 20 | Achievable performances for basic perturbation-based extremum seeking control in Wiener-Hammerstein plants. , 2013, , . | | 5 |
| 21 | 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 |
| 22 | Lab@home for analog electronic circuit laboratory. , 2012, , . | | 8 |