

Gueguim Kana Evariste Bosco

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,245
citations

172386

29
h-index

223716

46
g-index

50
all docs

50
docs citations

50
times ranked

2097
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling and optimization of biogas production on saw dust and other co-substrates using Artificial Neural network and Genetic Algorithm. <i>Renewable Energy</i> , 2012, 46, 276-281.	4.3	160
2	Green synthesis of silver nanoparticles using keratinase obtained from a strain of <i>Bacillus safensis</i> LAU 13. <i>International Nano Letters</i> , 2015, 5, 29-35.	2.3	146
3	Valorisation of potato peel wastes for bioethanol production using simultaneous saccharification and fermentation: Process optimization and kinetic assessment. <i>Renewable Energy</i> , 2020, 146, 1031-1040.	4.3	116
4	Improving the quality of agro-wastes by solid-state fermentation: enhanced antioxidant activities and nutritional qualities. <i>World Journal of Microbiology and Biotechnology</i> , 2008, 24, 2369-2374.	1.7	98
5	Artificial neural networks: an efficient tool for modelling and optimization of biofuel production (a) Tj ETQq1 1 0.784314 rgBT /Overlook	0.5	95
6	Valorization of sugarcane bagasse for bioethanol production through simultaneous saccharification and fermentation: Optimization and kinetic studies. <i>Fuel</i> , 2020, 262, 116552.	3.4	94
7	Cobweb as novel biomaterial for the green and eco-friendly synthesis of silver nanoparticles. <i>Applied Nanoscience (Switzerland)</i> , 2016, 6, 863-874.	1.6	88
8	<i>Bacillus safensis</i> LAU 13: a new source of keratinase and its multi-functional biocatalytic applications. <i>Biotechnology and Biotechnological Equipment</i> , 2015, 29, 54-63.	0.5	74
9	Kolanut (<i>Cola nitida</i>) Mediated Synthesis of Silver-Gold Alloy Nanoparticles: Antifungal, Catalytic, Larvicidal and Thrombolytic Applications. <i>Journal of Cluster Science</i> , 2016, 27, 1561-1577.	1.7	71
10	Biomedical Applications of Cocoa Bean Extract-Mediated Silver Nanoparticles as Antimicrobial, Larvicidal and Anticoagulant Agents. <i>Journal of Cluster Science</i> , 2017, 28, 149-164.	1.7	71
11	Development of a steam or microwave-assisted sequential salt-alkali pretreatment for lignocellulosic waste: Effect on delignification and enzymatic hydrolysis. <i>Energy Conversion and Management</i> , 2017, 148, 801-808.	4.4	68
12	<i>Cola nitida</i> -Mediated Biogenic Synthesis of Silver Nanoparticles Using Seed and Seed Shell Extracts and Evaluation of Antibacterial Activities. <i>BioNanoScience</i> , 2015, 5, 196-205.	1.5	65
13	Biogenic synthesis of silver nanoparticles using cell-free extract of <i>Bacillus safensis</i> LAU 13: antimicrobial, free radical scavenging and larvicidal activities. <i>Biologia (Poland)</i> , 2015, 70, 1295-1306.	0.8	65
14	The biology and potential biotechnological applications of <i>Bacillus safensis</i> . <i>Biologia (Poland)</i> , 2015, 70, 411-419.	0.8	61
15	<i>Enterococcus</i> species for the one-pot biofabrication of gold nanoparticles: Characterization and nanobiotechnological applications. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 173, 250-257.	1.7	60
16	Comparative Assessment of the Artificial Neural Network and Response Surface Modelling Efficiencies for Biohydrogen Production on Sugar Cane Molasses. <i>Bioenergy Research</i> , 2014, 7, 295-305.	2.2	51
17	Keratinolytic activities of a new feather-degrading isolate of <i>Bacillus cereus</i> LAU 08 isolated from Nigerian soil. <i>International Biodeterioration and Biodegradation</i> , 2010, 64, 162-165.	1.9	50
18	Optimization of xylose and glucose production from sugarcane leaves (<i>Saccharum officinarum</i>) using hybrid pretreatment techniques and assessment for hydrogen generation at semi-pilot scale. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 3859-3867.	3.8	47

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19	Biohydrogen process development on waste sorghum (<i>Sorghum bicolor</i>) leaves: Optimization of saccharification, hydrogen production and preliminary scale up. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 12941-12952.	3.8	45
20	Optimization of biohydrogen inoculum development via a hybrid pH and microwave treatment technique – Semi pilot scale production assessment. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 5607-5616.	3.8	44
21	Production of fructosyltransferase by a local isolate of <i>Aspergillus niger</i> in both submerged and solid substrate media. <i>Acta Alimentaria</i> , 2012, 41, 100-117.	0.3	43
22	Modelling of biohydrogen generation in microbial electrolysis cells (MECs) using a committee of artificial neural networks (ANNs). <i>Biotechnology and Biotechnological Equipment</i> , 2015, 29, 1208-1215.	0.5	42
23	Impact of medium pH regulation on biohydrogen production in dark fermentation process using suspended and immobilized microbial cells. <i>Biotechnology and Biotechnological Equipment</i> , 2018, 32, 204-212.	0.5	38
24	Semi-pilot scale production of hydrogen from Organic Fraction of Solid Municipal Waste and electricity generation from process effluents. <i>Biomass and Bioenergy</i> , 2014, 60, 156-163.	2.9	36
25	Development of a sequential alkalic salt and dilute acid pretreatment for enhanced sugar recovery from corn cobs. <i>Energy Conversion and Management</i> , 2018, 160, 22-30.	4.4	34
26	Impact of Various Metallic Oxide Nanoparticles on Ethanol Production by <i>Saccharomyces cerevisiae</i> BY4743: Screening, Kinetic Study and Validation on Potato Waste. <i>Catalysis Letters</i> , 2019, 149, 2015-2031.	1.4	33
27	Kinetics of Bioethanol Production from Waste Sorghum Leaves Using <i>Saccharomyces cerevisiae</i> BY4743. <i>Fermentation</i> , 2017, 3, 19.	1.4	32
28	Microwave-assisted alkalic salt pretreatment of corn cob wastes: Process optimization for improved sugar recovery. <i>Industrial Crops and Products</i> , 2018, 125, 284-292.	2.5	31
29	Soaking assisted thermal pretreatment of cassava peels wastes for fermentable sugar production: Process modelling and optimization. <i>Energy Conversion and Management</i> , 2017, 150, 558-566.	4.4	30
30	Green Synthesis and Antimicrobial Activities of Silver Nanoparticles using Cell Free-Extracts of <i>Enterococcus</i> species. <i>Notulae Scientia Biologicae</i> , 2017, 9, 196-203.	0.1	30
31	Optimization of hybrid inoculum development techniques for biohydrogen production and preliminary scale up. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 11765-11773.	3.8	29
32	Comparative study of three optimized acid-based pretreatments for sugar recovery from sugarcane leaf waste: A sustainable feedstock for biohydrogen production. <i>Engineering Science and Technology, an International Journal</i> , 2018, 21, 107-116.	2.0	27
33	Modelling and optimization of xylose and glucose production from napier grass using hybrid pre-treatment techniques. <i>Biomass and Bioenergy</i> , 2015, 77, 200-208.	2.9	26
34	Optimization of a novel sequential alkalic and metal salt pretreatment for enhanced delignification and enzymatic saccharification of corn cobs. <i>Bioresource Technology</i> , 2017, 243, 785-792.	4.8	26
35	Intelligent models to predict hydrogen yield in dark microbial fermentations using existing knowledge. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 12929-12940.	3.8	24
36	Microwave-assisted chemical pre-treatment of waste sorghum leaves: Process optimization and development of an intelligent model for determination of volatile compound fractions. <i>Bioresource Technology</i> , 2017, 224, 590-600.	4.8	24

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37	Valorisation of cassava peels through simultaneous saccharification and ethanol production: Effect of prehydrolysis time, kinetic assessment and preliminary scale up. <i>Fuel</i> , 2020, 278, 118351.	3.4	22
38	Process Optimisation of Enzymatic Saccharification of Soaking Assisted and Thermal Pretreated Cassava Peels Waste for Bioethanol Production. <i>Waste and Biomass Valorization</i> , 2020, 11, 2409-2420.	1.8	21
39	<i>Rhizopus stolonifer</i> LAU 07: a novel source of fructosyltransferase. <i>Chemical Papers</i> , 2008, 62, .	1.0	20
40	Development of a green liquor dregs pretreatment for enhanced glucose recovery from corn cobs and kinetic assessment on various bioethanol fermentation types. <i>Fuel</i> , 2020, 274, 117797.	3.4	16
41	A web-enabled software for real-time biogas fermentation monitoring – Assessment of dark fermentations for correlations between medium conductivity and biohydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 10235-10244.	3.8	15
42	Comparison of a two-stage and a combined single stage salt-acid based lignocellulosic pretreatment for enhancing enzymatic saccharification. <i>Industrial Crops and Products</i> , 2017, 108, 219-224.	2.5	15
43	Fermentative Biohydrogen Modelling and Optimization Research in Light of Miniaturized Parallel Bioreactors. <i>Biotechnology and Biotechnological Equipment</i> , 2013, 27, 3901-3908.	0.5	12
44	Design, implementation and assessment of a novel bioreactor for fermentative biohydrogen process development. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 10136-10144.	3.8	12
45	Implementation Details of Computerized Temporary Immersion Bioreactor (TIB): A Fermentation Case of <i>Pleurotus Pulmonarius</i> . <i>Biotechnology and Biotechnological Equipment</i> , 2010, 24, 2149-2153.	0.5	9
46	Does the volume matter in bioprocess model development? An insight into modelling and optimization of biohydrogen production. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 5780-5792.	3.8	9
47	Quality assessment and hazard analysis in the small-scale production of poultry feeds in Ogbomoso, Southwest Nigeria. <i>Quality Assurance and Safety of Crops and Foods</i> , 2014, 6, 105-113.	1.8	7
48	Development of Kraft waste-based pretreatment strategies for enhanced sugar recovery from lignocellulosic waste. <i>Industrial Crops and Products</i> , 2021, 174, 114222.	2.5	5
49	Pro-Optimizer: A Novel Web-Enabled Optimization Engine for Microbial Fermentations. <i>Biotechnology and Biotechnological Equipment</i> , 2010, 24, 2137-2141.	0.5	4
50	Intelligent modelling of fermentable sugar concentration and combined severity factor (CSF) index from pretreated starch-based lignocellulosic biomass. <i>Biomass Conversion and Biorefinery</i> , 0, , .	2.9	4