Joana L Rodrigues

List of Publications by Year
in descending order

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30 papers	622 citations	687363 13 h-index	642732 23 g-index
33 all docs	33 docs citations	33 times ranked	526 citing authors

#	Article	IF	Citations
1	Mobility of Cr, Pb, Cd, Cu and Zn in a loamy sand soil: A comparative study. Geoderma, 2011, 164, 232-237.	5.1	68
2	Heterologous Production of Curcuminoids. Microbiology and Molecular Biology Reviews, 2015, 79, 39-60.	6.6	68
3	Heterologous production of caffeic acid from tyrosine in Escherichia coli. Enzyme and Microbial Technology, 2015, 71, 36-44.	3.2	66
4	Production of curcuminoids from tyrosine by a metabolically engineered Escherichia coli using caffeic acid as an intermediate. Biotechnology Journal, 2015, 10, 599-609.	3.5	47
5	A Combinatorial Approach to Optimize the Production of Curcuminoids From Tyrosine in Escherichia coli. Frontiers in Bioengineering and Biotechnology, 2020, 8, 59.	4.1	41
6	Optimization of fermentation conditions for the production of curcumin by engineered Escherichia coli. Journal of the Royal Society Interface, 2017, 14, 20170470.	3.4	39
7	Potential Applications of the Escherichia coli Heat Shock Response in Synthetic Biology. Trends in Biotechnology, 2018, 36, 186-198.	9.3	38
8	Hydroxycinnamic acids and curcumin production in engineered Escherichia coli using heat shock promoters. Biochemical Engineering Journal, 2017, 125, 41-49.	3.6	35
9	Synthetic Biology Approaches to Engineer Saccharomyces cerevisiae towards the Industrial Production of Valuable Polyphenolic Compounds. Life, 2020, 10, 56.	2.4	24
10	CRISPR-Cas9: A Powerful Tool to Efficiently Engineer Saccharomyces cerevisiae. Life, 2021, 11, 13.	2.4	23
11	Biosynthesis and heterologous production of furanocoumarins: perspectives and current challenges. Natural Product Reports, 2021, 38, 869-879.	10.3	21
12	Novel Biorecognition Elements against Pathogens in the Design of State-of-the-Art Diagnostics. Biosensors, 2021, 11, 418.	4.7	19
13	Selection of Escherichia coli heat shock promoters toward their application as stress probes. Journal of Biotechnology, 2014, 188, 61-71.	3.8	18
14	Nanotechnology in Targeted Drug Delivery and Therapeutics. , 2019, , 357-409.		17
15	A kinetic model of the central carbon metabolism for acrylic acid production in Escherichia coli. PLoS Computational Biology, 2021, 17, e1008704.	3.2	10
16	Perspectives on the design of microbial cell factories to produce prenylflavonoids. International Journal of Food Microbiology, 2022, 367, 109588.	4.7	10
17	Zymomonas mobilis as an emerging biotechnological chassis for the production of industrially relevant compounds. Bioresources and Bioprocessing, 2021, 8, .	4.2	10
18	Improved method for the extraction of high-quality DNA from lignocellulosic compost samples for metagenomic studies. Applied Microbiology and Biotechnology, 2021, 105, 8881-8893.	3.6	9

#	Article	IF	Citations
19	Heterologous production of chondroitin. Biotechnology Reports (Amsterdam, Netherlands), 2022, 33, e00710.	4.4	9
20	Curcumin biosynthesis from ferulic acid by engineered Saccharomyces cerevisiae. Biotechnology Journal, 2022, 17, e2100400.	3.5	9
21	Heterologous Production of Acrylic Acid: Current Challenges and Perspectives. SynBio, 2022, 1, 3-32.	3.0	8
22	Synthetic biology strategies towards the development ofÂnewÂbioinspired technologies for medical applications. , 2017, , 451-497.		5
23	Cloning, Expression and Characterization of UDP-Glucose Dehydrogenases. Life, 2021, 11, 1201.	2.4	5
24	Tailoring fructooligosaccharides composition with engineered Zymomonas mobilis ZM4. Applied Microbiology and Biotechnology, 2022, 106, 4617-4626.	3.6	5
25	Epilactose Biosynthesis Using Recombinant Cellobiose 2-Epimerase Produced by Saccharomyces cerevisiae. ACS Food Science & Technology, 2021, 1, 1578-1584.	2.7	4
26	Identification of novel aptamers targeting cathepsin B-overexpressing prostate cancer cells. Molecular Systems Design and Engineering, 2022, 7, 637-650.	3.4	4
27	Synthetic Biology. , 2017, , 239-269.		3
28	Modification of PET surfaces with gum Arabic towards its bacterial anti-adhesiveness using an experimental factorial design approach. Materials Today Communications, 2021, 28, 102684.	1.9	3
29	Biotech Green Approaches to Unravel the Potential of Residues into Valuable Products. Nanotechnology in the Life Sciences, 2020, , 97-150.	0.6	3
30	One-step production of a novel prebiotic mixture using Zymomonas mobilis ZM4. Biochemical Engineering Journal, 2022, 183, 108443.	3.6	1