M Julia Pettinari

List of Publications by Year in descending order

45	1,507	279701	315616
papers	citations	23 h-index	38 g-index

47	47	47	1712
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phasins, Multifaceted Polyhydroxyalkanoate Granule-Associated Proteins. Applied and Environmental Microbiology, 2016, 82, 5060-5067.	1.4	110
2	Pseudomonas extremaustralis sp. nov., a Poly(3-hydroxybutyrate) Producer Isolated from an Antarctic Environment. Current Microbiology, 2009, 59, 514-519.	1.0	93
3	New Recombinant Escherichia coli Strain Tailored for the Production of Poly(3-Hydroxybutyrate) from Agroindustrial By-Products. Applied and Environmental Microbiology, 2006, 72, 3949-3954.	1.4	90
4	A Polyhydroxybutyrate-Producing Pseudomonas sp. Isolated from Antarctic Environments with High Stress Resistance. Current Microbiology, 2004, 49, 170-4.	1.0	84
5	Poly(3-hydroxybutyrate) synthesis from glycerol by a recombinant Escherichia coli arcA mutant in fed-batch microaerobic cultures. Applied Microbiology and Biotechnology, 2008, 77, 1337-1343.	1.7	74
6	Melanin biosynthesis in bacteria, regulation and production perspectives. Applied Microbiology and Biotechnology, 2020, 104, 1357-1370.	1.7	71
7	Poly(3-Hydroxybutyrate) Synthesis by Recombinant Escherichia coli arcA Mutants in Microaerobiosis. Applied and Environmental Microbiology, 2006, 72, 2614-2620.	1.4	70
8	Effects of Aeration on the Synthesis of Poly(3-Hydroxybutyrate) from Glycerol and Glucose in Recombinant Escherichia coli. Applied and Environmental Microbiology, 2010, 76, 2036-2040.	1.4	66
9	Polyhydroxyalkanoates. Advances in Applied Microbiology, 2015, 93, 73-106.	1.3	60
10	Effects of Granule-Associated Protein PhaP on Glycerol-Dependent Growth and Polymer Production in Poly(3-Hydroxybutyrate)-Producing Escherichia coli. Applied and Environmental Microbiology, 2007, 73, 7912-7916.	1.4	58
11	Medium pH, carbon and nitrogen concentrations modulate the phosphate solubilization efficiency of Penicillium purpurogenum through organic acid production. Journal of Applied Microbiology, 2011, 110, 1215-1223.	1.4	54
12	<i>Escherichia coli arcA</i> Mutants: Metabolic Profile Characterization of Microaerobic Cultures using Glycerol as a Carbon Source. Journal of Molecular Microbiology and Biotechnology, 2008, 15, 48-54.	1.0	48
13	The polyhydroxyalkanoate genes of a stress resistant Antarctic Pseudomonas are situated within a genomic island. Plasmid, 2007, 58, 240-248.	0.4	47
14	Unexpected Stress-Reducing Effect of PhaP, a Poly(3-Hydroxybutyrate) Granule-Associated Protein, in Escherichia coli. Applied and Environmental Microbiology, 2011, 77, 6622-6629.	1.4	44
15	Poly(3-Hydroxybutyrate) Synthesis Genes in Azotobacter sp. Strain FA8. Applied and Environmental Microbiology, 2001, 67, 5331-5334.	1.4	43
16	dye (arc) mutants: insights into an unexplained phenotype and its suppression by the synthesis of poly (3-hydroxybutyrate) in Escherichia coli recombinants. FEMS Microbiology Letters, 2006, 258, 55-60.	0.7	42
17	Ethanol synthesis from glycerol by Escherichia coli redox mutants expressing adhE from Leuconostoc mesenteroides. Journal of Applied Microbiology, 2010, 109, 492-504.	1.4	40
18	Statistical optimization of a culture medium for biomass and poly(3-hydroxybutyrate) production by a recombinant Escherichia coli strain using agroindustrial byproducts. International Microbiology, 2005, 8, 243-50.	1.1	34

#	Article	IF	Citations
19	Impaired polyhydroxybutyrate biosynthesis from glucose inPseudomonassp. 14-3 is due to a defective ÃŽÂ²-ketothiolase gene. FEMS Microbiology Letters, 2006, 264, 125-131.	0.7	28
20	ESCHERICHIA COLI REDOX MUTANTS AS MICROBIAL CELL FACTORIES FOR THE SYNTHESIS OF REDUCED BIOCHEMICALS. Computational and Structural Biotechnology Journal, 2012, 3, e201210019.	1.9	27
21	Elimination of<scp>d</scp>-Lactate Synthesis Increases Poly(3-Hydroxybutyrate) and Ethanol Synthesis from Glycerol and Affects Cofactor Distribution in RecombinantEscherichia coli. Applied and Environmental Microbiology, 2010, 76, 7400-7406.	1.4	25
22	Carbon and Nitrogen Sources Influence Tricalcium Phosphate Solubilization and Extracellular Phosphatase Activity by Talaromyces flavus. Current Microbiology, 2016, 72, 41-47.	1.0	25
23	Null mutations in the essential geneyrfF(mucM) are not lethal inrcsB,yojNorrcsCstrains ofSalmonella entericaserovar Typhimurium. FEMS Microbiology Letters, 2003, 222, 25-32.	0.7	24
24	Title is missing!. World Journal of Microbiology and Biotechnology, 2001, 17, 51-55.	1.7	23
25	A New Player in the Biorefineries Field: Phasin PhaP Enhances Tolerance to Solvents and Boosts Ethanol and 1,3-Propanediol Synthesis in Escherichia coli. Applied and Environmental Microbiology, 2017, 83, .	1.4	22
26	The Legacy of HfrH: Mutations in the Two-Component System CreBC Are Responsible for the Unusual Phenotype of an Escherichia coli arcA Mutant. Journal of Bacteriology, 2008, 190, 3404-3407.	1.0	21
27	A Phasin with Many Faces: Structural Insights on PhaP from Azotobacter sp. FA8. PLoS ONE, 2014, 9, e103012.	1.1	20
28	Living in an Extremely Polluted Environment: Clues from the Genome of Melanin-Producing Aeromonas salmonicida subsp. pectinolytica 34mel ^T. Applied and Environmental Microbiology, 2015, 81, 5235-5248.	1.4	18
29	Insertion sequence-like elements associated with putative polyhydroxybutyrate regulatory genes in Azotobacter sp. FA8. Plasmid, 2003, 50, 36-44.	0.4	17
30	The CreC Regulator of Escherichia coli, a New Target for Metabolic Manipulations. Applied and Environmental Microbiology, 2016, 82, 244-254.	1.4	17
31	ArcA Redox Mutants as a Source of Reduced Bioproducts. Journal of Molecular Microbiology and Biotechnology, 2008, 15, 41-47.	1.0	13
32	Metabolic selective pressure stabilizes plasmids carrying biosynthetic genes for reduced biochemicals in Escherichia coli redox mutants. Applied Microbiology and Biotechnology, 2010, 88, 563-573.	1.7	12
33	Micrometric periodic assembly of magnetotactic bacteria and magnetic nanoparticles using audio tapes. Journal of Applied Physics, 2012, 111, 044905.	1.1	11
34	Genome Sequence of the Melanin-Producing Extremophile Aeromonas salmonicida subsp. pectinolytica Strain 34mel ^T. Genome Announcements, 2013, 1, .	0.8	11
35	Evidence of an association between poly(3-hydroxybutyrate) accumulation and phosphotransbutyrylase expression in Bacillus megaterium. International Microbiology, 2003, 6, 127-129.	1.1	10
36	Identification of Corynebacterium pseudotuberculosis from sheep by PCR-restriction analysis using the RNA polymerase Î²-subunit gene (rpoB). Research in Veterinary Science, 2012, 92, 202-206.	0.9	10

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37	Optimization and Validation of a GCâ€“FID Method for Quantitative Determination of 1,3-Propanediol in Bacterial Culture Aqueous Supernatants Containing Glycerol. Chromatographia, 2017, 80, 1121-1127.	0.7	9
38	Microbial Cell Factories Ã la Carte : Elimination of Global Regulators Cra and ArcA Generates Metabolic Backgrounds Suitable for the Synthesis of Bioproducts in Escherichia coli. Applied and Environmental Microbiology, 2018, 84, .	1.4	9
39	Glycerol inhibition of melanin biosynthesis in the environmental Aeromonas salmonicida 34melT. Applied Microbiology and Biotechnology, 2019, 103, 1865-1876.	1.7	9
40	Redox driven metabolic tuning. Bioengineered Bugs, 2010, 1, 293-297.	2.0	7
41	trans activation of the Escherichia coliato structural genes by a regulatory protein from Bacillus megaterium â€Š: potential use in polyhydroxyalkanoate production. Applied Microbiology and Biotechnology, 1998, 49, 737-742.	1.7	3
42	Phosphotransbutyrylase Expression in Bacillus megaterium. Current Microbiology, 2001, 42, 345-349.	1.0	2
43	Effect of the granule associated protein phasin (PhaP) on cell growth and poly(3-hydroxybutyrate) (PHB) accumulation from glycerol in bioreactor cultures of recombinant E. coli. Journal of Biotechnology, 2007, 131, S167.	1.9	1
44	Manipulation of global regulators in Escherichia coli for the synthesis of biotechnologically relevant products. , 2021, , 437-453.		1
45	dye(arc) mutants: insights into an unexplained phenotype and its suppression by the synthesis of poly (3-hydroxybutyrate) inEscherichia colirecombinants. FEMS Microbiology Letters, 2006, 259, 332-332.	0.7	0