Adriano Azzoni

List of Publications by Year
in descending order

48	1,056	471371	434063
papers	citations	17 h-index	31 g-index

49	49	49	1516
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Techno-economic analysis of the industrial production of a low-cost enzyme using E. coli: the case of recombinant Î²-glucosidase. Biotechnology for Biofuels, 2018, 11, 81.	6.2	98
2	Continuous flow production of cationic liposomes at high lipid concentration in microfluidic devices for gene delivery applications. Chemical Engineering Journal, 2013, 226, 423-433.	6.6	88
3	The impact of polyadenylation signals on plasmid nuclease-resistance and transgene expression. Journal of Gene Medicine, 2007, 9, 392-402.	1.4	79
4	Recombinant aprotinin produced in transgenic corn seed: Extraction and purification studies. Biotechnology and Bioengineering, 2002, 80, 268-276.	1.7	75
5	Selective purification of supercoiled plasmid DNA from clarified cell lysates with a single histidineâ€“agarose chromatography step. Biotechnology and Applied Biochemistry, 2006, 45, 131.	1.4	71
6	Microfluidic devices for continuous production of pDNA/cationic liposome complexes for gene delivery and vaccine therapy. Colloids and Surfaces B: Biointerfaces, 2013, 111, 203-210.	2.5	59
7	On the production cost of lignocelluloseâ€degrading enzymes. Biofuels, Bioproducts and Biorefining, 2021, 15, 85-99.	1.9	45
8	Time-course determination of plasmid content in eukaryotic and prokaryotic cells using Real-Time PCR. Molecular Biotechnology, 2007, 37, 120-126.	1.3	42
9	Development and characterization of a cationic lipid nanocarrier as non-viral vector for gene therapy. European Journal of Pharmaceutical Sciences, 2015, 66, 78-82.	1.9	41
10	Correlation of the Physicochemical and Structural Properties of pDNA/Cationic Liposome Complexes with Their in Vitro Transfection. Langmuir, 2012, 28, 11535-11545.	1.6	39
11	Scalable production of highly concentrated chitosan/TPP nanoparticles in different pHs and evaluation of the in vitro transfection efficiency. Biochemical Engineering Journal, 2015, 94, 65-73.	1.8	37
12	Development of a recombinant fusion protein based on the dynein light chain LC8 for non-viral gene delivery. Journal of Controlled Release, 2012, 159, 222-231.	4.8	23
13	Recovery and purification of aprotinin from industrial insulin-processing effluent by immobilized chymotrypsin and negative IMAC chromatographies. Process Biochemistry, 2002, 37, 1413-1420.	1.8	21
14	On the expression of recombinant Cas9 protein in E. coli BL21(DE3) and BL21(DE3) Rosetta strains. Journal of Biotechnology, 2019, 306, 62-70.	1.9	21
15	Techno-Economic Analysis of a Hyaluronic Acid Production Process Utilizing Streptococcal Fermentation. Processes, 2021, 9, 241.	1.3	21
16	On the stability of plasmid DNA vectors during cell culture and purification. Molecular Biotechnology, 2007, 36, 151-158.	1.3	19
17	A novel protein refolding protocol for the solubilization and purification of recombinant peptidoglycan-associated lipoprotein from Xylella fastidiosa overexpressed in Escherichia coli. Protein Expression and Purification, 2012, 82, 284-289.	0.6	18
18	Transgenic corn seed for recombinant protein production: relevant aspects on the aqueous extraction of native components. Journal of the Science of Food and Agriculture, 2005, 85, 609-614.	1.7	17

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19	Impact of Plasmid Quality on Lipoplex-Mediated Transfection. Journal of Pharmaceutical Sciences, 2013, 102, 3932-3941.	1.6	16
20	Development of a non-viral gene delivery vector based on the dynein light chain Rp3 and the TAT peptide. Journal of Biotechnology, 2014, 173, 10-18.	1.9	16
21	Overexpression and purification of PWL2D, a mutant of the effector protein PWL2 from Magnaporthe grisea. Protein Expression and Purification, 2010, 74, 24-31.	0.6	15
22	Characterization of an oxidative stress response regulator, homologous to Escherichia coli OxyR, from the phytopathogen Xylella fastidiosa. Protein Expression and Purification, 2011, 75, 204-210.	0.6	14
23	Physicochemical and in vitro evaluation of cationic liposome, hyaluronic acid and plasmid DNA as pseudo-ternary complexes for gene delivery. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 484, 262-270.	2.3	13
24	Expression and purification of a small heat shock protein from the plant pathogen Xylella fastidiosa. Protein Expression and Purification, 2004, 33, 297-303.	0.6	12
25	Characterization of the TolBâ€“Pal trans-envelope complex from Xylella fastidiosa reveals a dynamic and coordinated protein expression profile during the biofilm development process. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 1372-1381.	1.1	12
26	Switching cell penetrating and CXCR4-binding activities of nanoscale-organized arginine-rich peptides. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 1777-1786.	1.7	12
27	Recombinant protein-based nanocarriers and their association with cationic liposomes: Characterization and in vitro evaluation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 513, 1-10.	2.3	11
28	Intracellular trafficking of a dynein-based nanoparticle designed for gene delivery. European Journal of Pharmaceutical Sciences, 2018, 112, 71-78.	1.9	11
29	Purification of recombinant aprotinin produced in transgenic corn seed: separation from CTI utilizing ion-exchange chromatography. Brazilian Journal of Chemical Engineering, 2005, 22, 323-330.	0.7	10
30	Sodium citrate and potassium phosphate as alternative adsorption buffers in hydrophobic and aromatic thiophilic chromatographic purification of plasmid DNA from neutralized lysate. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 919-920, 67-74.	1.2	10
31	Evaluation of siRNA and cationic liposomes complexes as a model for in vitro siRNA delivery to cancer cells. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 555, 280-289.	2.3	10
32	Cloning, expression, and purification of the virulence-associated protein D from Xylella fastidiosa. Protein Expression and Purification, 2004, 37, 320-326.	0.6	9
33	Protein nanoparticles are nontoxic, tuneable cell stressors. Nanomedicine, 2018, 13, 255-268.	1.7	9
34	A new member of the aldoâ€“keto reductase family from the plant pathogen Xylella fastidiosa. Archives of Biochemistry and Biophysics, 2006, 453, 143-150.	1.4	8
35	Comparative Analysis of Antigen-Targeting Sequences Used in DNA Vaccines. Molecular Biotechnology, 2010, 44, 204-212.	1.3	8
36	Small-angle X-ray scattering and in silico modeling approaches for the accurate functional annotation of an LysR-type transcriptional regulator. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 697-707.	1.1	6

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37	Arginine homopeptides for plasmid DNA purification using monolithic supports. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1087-1088, 149-157.	1.2	6
38	Characterization of the human dynein light chain Rp3 and its use as a non-viral gene delivery vector. Applied Microbiology and Biotechnology, 2014, 98, 3591-3602.	1.7	5
39	Arginine and di-arginine ligands for plasmid DNA purification using negative chromatography. Separation and Purification Technology, 2018, 202, 281-289.	3.9	5
40	Structural characterization of the H-NS protein from Xylella fastidiosa and its interaction with DNA. Archives of Biochemistry and Biophysics, 2012, 526, 22-28.	1.4	4
41	Precipitation of lysozyme with sodium succinate, sodium tartrate and sodium citrate: Solubility and osmotic second virial coefficient data. Journal of Chemical Thermodynamics, 2017, 110, 25-32.	1.0	4
42	Expression and purification of a putative H-NS nucleoid-associated protein from the phytopathogen Xylella fastidiosa. Protein Expression and Purification, 2003, 32, 61-67.	0.6	3
43	Functional and structural studies of the disulfide isomerase <scp>D</scp>sb<scp>C</scp> from the plant pathogen <scp>X</scp>ylellaÂfastidiosa reveals a redoxâ€dependent oligomeric modulation inÂvitro. FEBS Journal, 2012, 279, 3828-3843.	2.2	3
44	Enzymatic Degradation of 2,4,6-Trichlorophenol in a Microreactor using Soybean Peroxidase. Symmetry, 2020, 12, 1129.	1.1	3
45	Understanding the adsorption of plasmid DNA and RNA molecules onto arginine-agarose chromatographic resin. Molecular Biology Reports, 2022, 49, 3893-3901.	1.0	3
46	Recovery of aprotinin from insulin industrial process effluent by affinity adsorption. Bioprocess and Biosystems Engineering, 1999, 21, 0553.	0.5	2
47	Aprotinin recovery: comparison between biospecific and pseudobiospecific affinity adsorptions. Brazilian Journal of Chemical Engineering, 1999, 16, 119-127.	0.7	2
48	THE EFFECT OF PHYSICO-CHEMICAL PROPERTIES OF PROTEIN-DNA NANOPARTICLES ON THE TRASNFECTION EFFICIENCY OF CULTURED HELA AND MACROPHAGE CELLS. , 0, , .		0