

Adriano Azzoni

List of Publications by Year in descending order

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48
papers

1,056
citations

471477

17
h-index

434170

31
g-index

49
all docs

49
docs citations

49
times ranked

1516
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the adsorption of plasmid DNA and RNA molecules onto arginine-agarose chromatographic resin. <i>Molecular Biology Reports</i> , 2022, 49, 3893-3901.	2.3	3
2	On the production cost of lignocellulose-degrading enzymes. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 85-99.	3.7	45
3	Techno-Economic Analysis of a Hyaluronic Acid Production Process Utilizing Streptococcal Fermentation. <i>Processes</i> , 2021, 9, 241.	2.8	21
4	Enzymatic Degradation of 2,4,6-Trichlorophenol in a Microreactor using Soybean Peroxidase. <i>Symmetry</i> , 2020, 12, 1129.	2.2	3
5	On the expression of recombinant Cas9 protein in <i>E. coli</i> BL21(DE3) and BL21(DE3) Rosetta strains. <i>Journal of Biotechnology</i> , 2019, 306, 62-70.	3.8	21
6	Arginine and di-arginine ligands for plasmid DNA purification using negative chromatography. <i>Separation and Purification Technology</i> , 2018, 202, 281-289.	7.9	5
7	Protein nanoparticles are nontoxic, tuneable cell stressors. <i>Nanomedicine</i> , 2018, 13, 255-268.	3.3	9
8	Arginine homopeptides for plasmid DNA purification using monolithic supports. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1087-1088, 149-157.	2.3	6
9	Techno-economic analysis of the industrial production of a low-cost enzyme using <i>E. coli</i> : the case of recombinant β -glucosidase. <i>Biotechnology for Biofuels</i> , 2018, 11, 81.	6.2	98
10	Intracellular trafficking of a dynein-based nanoparticle designed for gene delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 112, 71-78.	4.0	11
11	Switching cell penetrating and CXCR4-binding activities of nanoscale-organized arginine-rich peptides. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 1777-1786.	3.3	12
12	Evaluation of siRNA and cationic liposomes complexes as a model for in vitro siRNA delivery to cancer cells. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 555, 280-289.	4.7	10
13	Precipitation of lysozyme with sodium succinate, sodium tartrate and sodium citrate: Solubility and osmotic second virial coefficient data. <i>Journal of Chemical Thermodynamics</i> , 2017, 110, 25-32.	2.0	4
14	Recombinant protein-based nanocarriers and their association with cationic liposomes: Characterization and in vitro evaluation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 513, 1-10.	4.7	11
15	Characterization of the TolB-Pal trans-envelope complex from <i>Xylella fastidiosa</i> reveals a dynamic and coordinated protein expression profile during the biofilm development process. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 1372-1381.	2.3	12
16	Physicochemical and in vitro evaluation of cationic liposome, hyaluronic acid and plasmid DNA as pseudo-ternary complexes for gene delivery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 484, 262-270.	4.7	13
17	Scalable production of highly concentrated chitosan/TPP nanoparticles in different pHs and evaluation of the in vitro transfection efficiency. <i>Biochemical Engineering Journal</i> , 2015, 94, 65-73.	3.6	37
18	Development and characterization of a cationic lipid nanocarrier as non-viral vector for gene therapy. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 66, 78-82.	4.0	41

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19	Development of a non-viral gene delivery vector based on the dynein light chain Rp3 and the TAT peptide. <i>Journal of Biotechnology</i> , 2014, 173, 10-18.	3.8	16
20	Characterization of the human dynein light chain Rp3 and its use as a non-viral gene delivery vector. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 3591-3602.	3.6	5
21	Small-angle X-ray scattering and in silico modeling approaches for the accurate functional annotation of an LysR-type transcriptional regulator. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 697-707.	2.3	6
22	Microfluidic devices for continuous production of pDNA/cationic liposome complexes for gene delivery and vaccine therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 203-210.	5.0	59
23	Continuous flow production of cationic liposomes at high lipid concentration in microfluidic devices for gene delivery applications. <i>Chemical Engineering Journal</i> , 2013, 226, 423-433.	12.7	88
24	Sodium citrate and potassium phosphate as alternative adsorption buffers in hydrophobic and aromatic thiophilic chromatographic purification of plasmid DNA from neutralized lysate. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 919-920, 67-74.	2.3	10
25	Impact of Plasmid Quality on Lipoplex-Mediated Transfection. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 3932-3941.	3.3	16
26	Functional and structural studies of the disulfide isomerase <i>DsbC</i> from the plant pathogen <i>Xylella fastidiosa</i> reveals a redox-dependent oligomeric modulation <i>in vitro</i> . <i>FEBS Journal</i> , 2012, 279, 3828-3843.	4.7	3
27	Correlation of the Physicochemical and Structural Properties of pDNA/Cationic Liposome Complexes with Their <i>in vitro</i> Transfection. <i>Langmuir</i> , 2012, 28, 11535-11545.	3.5	39
28	A novel protein refolding protocol for the solubilization and purification of recombinant peptidoglycan-associated lipoprotein from <i>Xylella fastidiosa</i> overexpressed in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2012, 82, 284-289.	1.3	18
29	Structural characterization of the H-NS protein from <i>Xylella fastidiosa</i> and its interaction with DNA. <i>Archives of Biochemistry and Biophysics</i> , 2012, 526, 22-28.	3.0	4
30	Development of a recombinant fusion protein based on the dynein light chain LC8 for non-viral gene delivery. <i>Journal of Controlled Release</i> , 2012, 159, 222-231.	9.9	23
31	Characterization of an oxidative stress response regulator, homologous to <i>Escherichia coli</i> OxyR, from the phytopathogen <i>Xylella fastidiosa</i> . <i>Protein Expression and Purification</i> , 2011, 75, 204-210.	1.3	14
32	Comparative Analysis of Antigen-Targeting Sequences Used in DNA Vaccines. <i>Molecular Biotechnology</i> , 2010, 44, 204-212.	2.4	8
33	Overexpression and purification of PWL2D, a mutant of the effector protein PWL2 from <i>Magnaporthe grisea</i> . <i>Protein Expression and Purification</i> , 2010, 74, 24-31.	1.3	15
34	The impact of polyadenylation signals on plasmid nuclease-resistance and transgene expression. <i>Journal of Gene Medicine</i> , 2007, 9, 392-402.	2.8	79
35	Time-course determination of plasmid content in eukaryotic and prokaryotic cells using Real-Time PCR. <i>Molecular Biotechnology</i> , 2007, 37, 120-126.	2.4	42
36	On the stability of plasmid DNA vectors during cell culture and purification. <i>Molecular Biotechnology</i> , 2007, 36, 151-158.	2.4	19

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37	A new member of the aldo-keto reductase family from the plant pathogen <i>Xylella fastidiosa</i> . <i>Archives of Biochemistry and Biophysics</i> , 2006, 453, 143-150.	3.0	8
38	Selective purification of supercoiled plasmid DNA from clarified cell lysates with a single histidine-agarose chromatography step. <i>Biotechnology and Applied Biochemistry</i> , 2006, 45, 131.	3.1	71
39	Transgenic corn seed for recombinant protein production: relevant aspects on the aqueous extraction of native components. <i>Journal of the Science of Food and Agriculture</i> , 2005, 85, 609-614.	3.5	17
40	Purification of recombinant aprotinin produced in transgenic corn seed: separation from CTI utilizing ion-exchange chromatography. <i>Brazilian Journal of Chemical Engineering</i> , 2005, 22, 323-330.	1.3	10
41	Expression and purification of a small heat shock protein from the plant pathogen <i>Xylella fastidiosa</i> . <i>Protein Expression and Purification</i> , 2004, 33, 297-303.	1.3	12
42	Cloning, expression, and purification of the virulence-associated protein D from <i>Xylella fastidiosa</i> . <i>Protein Expression and Purification</i> , 2004, 37, 320-326.	1.3	9
43	Expression and purification of a putative H-NS nucleoid-associated protein from the phytopathogen <i>Xylella fastidiosa</i> . <i>Protein Expression and Purification</i> , 2003, 32, 61-67.	1.3	3
44	Recombinant aprotinin produced in transgenic corn seed: Extraction and purification studies. <i>Biotechnology and Bioengineering</i> , 2002, 80, 268-276.	3.3	75
45	Recovery and purification of aprotinin from industrial insulin-processing effluent by immobilized chymotrypsin and negative IMAC chromatographies. <i>Process Biochemistry</i> , 2002, 37, 1413-1420.	3.7	21
46	Recovery of aprotinin from insulin industrial process effluent by affinity adsorption. <i>Bioprocess and Biosystems Engineering</i> , 1999, 21, 0553.	0.5	2
47	Aprotinin recovery: comparison between biospecific and pseudobiospecific affinity adsorptions. <i>Brazilian Journal of Chemical Engineering</i> , 1999, 16, 119-127.	1.3	2
48	THE EFFECT OF PHYSICO-CHEMICAL PROPERTIES OF PROTEIN-DNA NANOPARTICLES ON THE TRANSFECTION EFFICIENCY OF CULTURED HELA AND MACROPHAGE CELLS. , 0, , .		0