

Paolo Bartolini

List of Publications by Year in descending order

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846
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#	ARTICLE	IF	CITATIONS
1	Periplasmic synthesis and purification of the human prolactin antagonist $\hat{\Gamma}$ 1-11-G129R-hPRL. <i>AMB Express</i> , 2021, 11, 62.	3.0	1
2	Influence of the expression vector and its elements on recombinant human prolactin synthesis in <i>Escherichia coli</i> ; co-directional orientation of replication and transcription is highly critical. <i>Journal of Microbiological Methods</i> , 2021, 191, 106340.	1.6	1
3	Synthesis of Human Bone Morphogenetic Protein-2 (hBMP-2) in <i>E. coli</i> Periplasmic Space: Its Characterization and Preclinical Testing. <i>Cells</i> , 2021, 10, 3525.	4.1	0
4	Human bone morphogenetic protein-2 (hBMP-2) characterization by physical-chemical, immunological and biological assays. <i>AMB Express</i> , 2020, 10, 34.	3.0	5
5	Optimization of Mouse Growth Hormone Plasmid DNA Electrotransfer into Tibialis Cranialis Muscle of $\hat{\Gamma}$ Little Mice. <i>Molecules</i> , 2020, 25, 5034.	3.8	3
6	Growth Hormone Receptor Deletion Reduces the Density of Axonal Projections from Hypothalamic Arcuate Nucleus Neurons. <i>Neuroscience</i> , 2020, 434, 136-147.	2.3	25
7	Protein refolding based on high hydrostatic pressure and alkaline pH: Application on a recombinant dengue virus NS1 protein. <i>PLoS ONE</i> , 2019, 14, e0211162.	2.5	17
8	Suppression of Prolactin Secretion Partially Explains the Antidiabetic Effect of Bromocriptine in <i>ob/ob</i> Mice. <i>Endocrinology</i> , 2019, 160, 193-204.	2.8	13
9	Expression of glycosylated human prolactin in HEK293 cells and related N-glycan composition analysis. <i>AMB Express</i> , 2019, 9, 135.	3.0	6
10	Brain STAT5 signaling modulates learning and memory formation. <i>Brain Structure and Function</i> , 2018, 223, 2229-2241.	2.3	29
11	Determination of recombinant Interferon- $\hat{\Gamma}$ 2 in <i>E. coli</i> periplasmic extracts by reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1072, 193-198.	2.3	5
12	High production and optimization of the method for obtaining pure recombinant human prolactin. <i>Protein Expression and Purification</i> , 2018, 152, 131-136.	1.3	4
13	Expression, purification and characterization of the authentic form of human growth hormone receptor antagonist G120R-hGH obtained in <i>Escherichia coli</i> periplasmic space. <i>Protein Expression and Purification</i> , 2017, 131, 91-100.	1.3	8
14	N-Glycoprofiling Analysis for Carbohydrate Composition and Site-Occupancy Determination in a Poly-Glycosylated Protein: Human Thyrotropin of Different Origins. <i>International Journal of Molecular Sciences</i> , 2017, 18, 131.	4.1	4
15	Molecular cloning and characterization of pirarucu (<i>Arapaima gigas</i>) follicle-stimulating hormone and luteinizing hormone $\hat{\Gamma}$ 2-subunit cDNAs. <i>PLoS ONE</i> , 2017, 12, e0183545.	2.5	9
16	Evaluation of an In Vitro Cell Culture Assay for the Potency Assessment of Recombinant Human Erythropoietin. <i>ATLA Alternatives To Laboratory Animals</i> , 2016, 44, 113-120.	1.0	1
17	Physical-chemical and biological characterization of different preparations of equine chorionic gonadotropin. <i>Journal of Veterinary Science</i> , 2016, 17, 459.	1.3	7
18	Cytogenetic and dosimetric effects of ^{131}I in patients with differentiated thyroid carcinoma: comparison between stimulation with rhTSH and thyroid hormone withdrawal treatments. <i>Radiation and Environmental Biophysics</i> , 2016, 55, 317-328.	1.4	8

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19	Partial correction of the dwarf phenotype by non-viral transfer of the growth hormone gene in mice: Treatment age is critical. <i>Growth Hormone and IGF Research</i> , 2016, 26, 1-7.	1.1	5
20	N-glycoprofiling analysis in a simple glycoprotein model: A comparison between recombinant and pituitary glycosylated human prolactin. <i>Journal of Biotechnology</i> , 2015, 202, 78-87.	3.8	8
21	A Novel Homologous Model for Gene Therapy of Dwarfism by Non-Viral Transfer of the Mouse Growth Hormone Gene into Immunocompetent Dwarf Mice. <i>Current Gene Therapy</i> , 2014, 14, 44-51.	2.0	10
22	Effect of Brazilian propolis (AF-08) on genotoxicity, cytotoxicity and clonogenic death of Chinese hamster ovary (CHO-K1) cells irradiated with ⁶⁰ Co gamma-radiation. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2014, 762, 17-23.	1.7	24
23	Enhancement of Human Thyrotropin Synthesis by Sodium Butyrate Addition to Serum-Free CHO Cell Culture. <i>Applied Biochemistry and Biotechnology</i> , 2013, 171, 1658-1672.	2.9	21
24	Growth Responses Following a Single Intra-Muscular hGH Plasmid Administration Compared to Daily Injections of hGH in Dwarf Mice. <i>Current Gene Therapy</i> , 2012, 12, 437-443.	2.0	7
25	Validation of a Stability-indicating RP-LC Method for the Assessment of Recombinant Human Interleukin-11 and Its Correlation with Bioassay. <i>Analytical Sciences</i> , 2012, 28, 215-215.	1.6	2
26	Laboratory Production of Human Prolactin from CHO Cells Adapted to Serum-Free Suspension Culture. <i>Applied Biochemistry and Biotechnology</i> , 2012, 167, 2212-2224.	2.9	9
27	Expression, purification, and characterization of authentic mouse prolactin obtained in <i>Escherichia coli</i> periplasmic space. <i>Biotechnology and Applied Biochemistry</i> , 2012, 59, 178-185.	3.1	14
28	Growth hormone response to growth hormone-releasing peptide-2 in growth hormone-deficient Little mice. <i>Clinics</i> , 2012, 67, 265-272.	1.5	16
29	Improved Bioprocess with CHO-hTSH Cells on Higher Microcarrier Concentration Provides Higher Overall Biomass and Productivity for rhTSH. <i>Applied Biochemistry and Biotechnology</i> , 2011, 164, 401-409.	2.9	4
30	Long-term human growth hormone expression and partial phenotypic correction by plasmid-based gene therapy in an animal model of isolated growth hormone deficiency. <i>Journal of Gene Medicine</i> , 2010, 12, 580-585.	2.8	15
31	Enhancement of Human Prolactin Synthesis by Sodium Butyrate Addition to Serum-Free CHO Cell Culture. <i>Journal of Biomedicine and Biotechnology</i> , 2010, 2010, 1-11.	3.0	12
32	A Molecular Mimic of Phosphorylated Prolactin (S179D PRL) Secreted by Eukaryotic Cells Has a Conformation with an Increased Positive Surface Charge Compared to That of Unmodified Prolactin. <i>Biochemistry</i> , 2009, 48, 6887-6897.	2.5	5
33	Stable expression of a human-like sialylated recombinant thyrotropin in a Chinese hamster ovary cell line expressing α 2,6-sialyltransferase. <i>Protein Expression and Purification</i> , 2009, 67, 7-14.	1.3	21
34	Evaluation of radioinduced damage and repair capacity in human breast cancer cells, MCF-7 and T-47D. <i>International Journal of Low Radiation</i> , 2009, 6, 343.	0.1	1
35	Influence of a Reduced CO ₂ Environment on the Secretion Yield, Potency and N-Glycan Structures of Recombinant Thyrotropin from CHO Cells. <i>Molecular Biotechnology</i> , 2008, 39, 159-166.	2.4	13
36	Evaluation of the cytogenetic effects of ¹³¹ I preceded by recombinant human thyrotropin (rhTSH) in peripheral lymphocytes of Wistar rats. <i>Radiation and Environmental Biophysics</i> , 2008, 47, 453-461.	1.4	6

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37	Secretion of mouse growth hormone by transduced primary human keratinocytes: prospects for an animal model of cutaneous gene therapy. <i>Journal of Gene Medicine</i> , 2008, 10, 734-743.	2.8	7
38	<i>SJL</i> Dystrophic Mice Express a Significant Amount of Human Muscle Proteins Following Systemic Delivery of Human Adipose-Derived Stromal Cells Without Immunosuppression. <i>Stem Cells</i> , 2008, 26, 2391-2398.	3.2	68
39	Practical reversed-phase high-performance liquid chromatography method for laboratory-scale purification of recombinant human thyrotropin. <i>Journal of Chromatography A</i> , 2007, 1164, 206-211.	3.7	16
40	HPLC Analysis of Human Pituitary Hormones for Pharmaceutical Applications. <i>Current Pharmaceutical Analysis</i> , 2006, 2, 103-126.	0.6	24
41	Analysis of intact human follicle-stimulating hormone preparations by reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2006, 1136, 10-18.	3.7	28
42	High-Level Secretion of Growth Hormone by Retrovirally Transduced Primary Human Keratinocytes: Prospects for an Animal Model of Cutaneous Gene Therapy. <i>Molecular Biotechnology</i> , 2006, 34, 239-246.	2.4	16
43	A molecular mimic demonstrates that phosphorylated human prolactin is a potent anti-angiogenic hormone. <i>Endocrine-Related Cancer</i> , 2006, 13, 95-111.	3.1	37
44	Two-step chromatographic purification of recombinant human thyrotrophin and its immunological, biological, physico-chemical and mass spectral characterization. <i>Journal of Chromatography A</i> , 2005, 1062, 103-112.	3.7	24
45	Animal Models for Growth Hormone Gene Therapy. <i>Current Gene Therapy</i> , 2005, 5, 493-509.	2.0	12
46	Determination of Chinese hamster ovary cell-derived recombinant thyrotropin by reversed-phase liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 787, 345-355.	2.3	21
47	Synthesis and chromatographic purification of recombinant human pituitary hormones. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 790, 285-316.	2.3	23
48	Periplasmic expression of human growth hormone via plasmid vectors containing the \hat{A} PL promoter: use of HPLC for product quantification. <i>Protein Engineering, Design and Selection</i> , 2003, 16, 1131-1138.	2.1	56
49	Increases in weight of growth hormone-deficient and immunodeficient (lit/scid) dwarf mice after grafting of hGH-secreting, primary human keratinocytes. <i>FASEB Journal</i> , 2003, 17, 2322-2324.	0.5	21
50	Reversed-phase high-performance liquid chromatography method for the determination of prolactin in bacterial extracts and in its purified form. <i>Journal of Chromatography A</i> , 2002, 955, 229-236.	3.7	24
51	High-level expression of human thyroid-stimulating hormone in Chinese hamster ovary cells by co-transfection of dicistronic expression vectors followed by a dual-marker amplification strategy. <i>Biotechnology and Applied Biochemistry</i> , 2002, 35, 19.	3.1	29
52	High-level synthesis of human prolactin in Chinese-hamster ovary cells. <i>Biotechnology and Applied Biochemistry</i> , 2000, 32, 127.	3.1	23
53	Single-Step Purification of Recombinant Human Growth Hormone (hGH) Directly from Bacterial Osmotic Shock Fluids, for the Purpose of 125 I-hGH Preparation. <i>Protein Expression and Purification</i> , 2000, 18, 115-120.	1.3	12
54	High-yield purification of biosynthetic human growth hormone secreted in <i>Escherichia coli</i> periplasmic space. <i>Journal of Chromatography A</i> , 1999, 852, 441-450.	3.7	45

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55	Use of Radioiodine Urinalysis for Effective Thyroid Blocking in the First Few Hours Post Exposure. Health Physics, 1999, 76, 11-16.	0.5	6
56	Synthesis and Characterization of Recombinant, Authentic Human Prolactin Secreted into the Periplasmic Space of Escherichia Coli. Biotechnology and Applied Biochemistry, 1998, 27, 63-70.	3.1	17
57	Sensitive Human Thyrotropin Immunoradiometric Assay Set Up by the Identification and Minimization of Nonspecific Bindings. Journal of Immunoassay, 1997, 18, 247-265.	0.3	3
58	Analysis of recombinant human growth hormone directly in osmotic shock fluids. Journal of Chromatography A, 1997, 782, 199-210.	3.7	31
59	The use of recombinant human growth hormone for radioiodination and standard preparation in radioimmunoassay. Journal of Immunological Methods, 1993, 159, 269-274.	1.4	22
60	Ultraviolet scanning densitometry for detection, quantitation, and preparative elution of protein bands from unstained gels. Analytical Biochemistry, 1989, 176, 400-405.	2.4	4
61	Stokes radius determination of radioiodinated polypeptide hormones by gel filtration. Analytical Biochemistry, 1988, 174, 693-697.	2.4	10
62	Results of a Thyroid Monitoring Survey Carried Out on Workers Exposed to ¹²⁵ I in Sao Paulo, Brazil. Health Physics, 1988, 55, 511-515.	0.5	3
63	Influence of Chloramine T Iodination on the Biological and Immunological Activity or the Molecular Radius of the Human Growth Hormone Molecule. Journal of Immunoassay, 1986, 7, 129-138.	0.3	7
64	Radioiodination of human growth hormone with characterization and minimization of the commonly defined "damaged products". Clinica Chimica Acta, 1981, 110, 177-185.	1.1	7
65	An accurate determination of human growth hormone content in different pituitary extracts, using a radioimmunoassay with polyacrylamide gel electrophoresis as a bound-free separation system. Clinica Chimica Acta, 1977, 79, 223-236.	1.1	9