Paolo Bartolini

List of Publications by Year
in descending order

65	944	430874 18	580821 25
papers	citations	h-index	g-index

65	65	65	846
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SJL Dystrophic Mice Express a Significant Amount of Human Muscle Proteins Following Systemic Delivery of Human Adipose-Derived Stromal Cells Without Immunosuppression. Stem Cells, 2008, 26, 2391-2398.	3.2	68
2	Periplasmic expression of human growth hormone via plasmid vectors containing the ÂPL promoter: use of HPLC for product quantification. Protein Engineering, Design and Selection, 2003, 16, 1131-1138.	2.1	56
3	High-yield purification of biosynthetic human growth hormone secreted in Escherichia coli periplasmic space. Journal of Chromatography A, 1999, 852, 441-450.	3.7	45
4	A molecular mimic demonstrates that phosphorylated human prolactin is a potent anti-angiogenic hormone. Endocrine-Related Cancer, 2006, 13, 95-111.	3.1	37
5	Analysis of recombinant human growth hormone directly in osmotic shock fluids. Journal of Chromatography A, 1997, 782, 199-210.	3.7	31
6	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. Biotechnology and Applied Biochemistry, 2002, 35, 19.	3.1	29
7	Brain STAT5 signaling modulates learning and memory formation. Brain Structure and Function, 2018, 223, 2229-2241.	2.3	29
8	Analysis of intact human follicle-stimulating hormone preparations by reversed-phase high-performance liquid chromatography. Journal of Chromatography A, 2006, 1136, 10-18.	3.7	28
9	Growth Hormone Receptor Deletion Reduces the Density of Axonal Projections from Hypothalamic Arcuate Nucleus Neurons. Neuroscience, 2020, 434, 136-147.	2.3	25
10	Reversed-phase high-performance liquid chromatography method for the determination of prolactin in bacterial extracts and in its purified form. Journal of Chromatography A, 2002, 955, 229-236.	3.7	24
11	Two-step chromatographic purification of recombinant human thyrotrophin and its immunological, biological, physico-chemical and mass spectral characterization. Journal of Chromatography A, 2005, 1062, 103-112.	3.7	24
12	HPLC Analysis of Human Pituitary Hormones for Pharmaceutical Applications. Current Pharmaceutical Analysis, 2006, 2, 103-126.	0.6	24
13	Effect of Brazilian propolis (AF-08) on genotoxicity, cytotoxicity and clonogenic death of Chinese hamster ovary (CHO-K1) cells irradiated with 60Co gamma-radiation. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2014, 762, 17-23.	1.7	24
14	High-level synthesis of human prolactin in Chinese-hamster ovary cells. Biotechnology and Applied Biochemistry, 2000, 32, 127.	3.1	23
15	Synthesis and chromatographic purification of recombinant human pituitary hormones. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 790, 285-316.	2.3	23
16	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
17	Determination of Chinese hamster ovary cell-derived recombinant thyrotropin by reversed-phase liquid chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 787, 345-355.	2.3	21
18	Increases in weight of growth hormoneâ€deficient and immunodeficient (lit/scid) dwarf mice after grafting of hGHâ€•secreting, primary human keratinocytes. FASEB Journal, 2003, 17, 2322-2324.	0.5	21

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19	Stable expression of a human-like sialylated recombinant thyrotropin in a Chinese hamster ovary cell line expressing Î±2,6-sialyltransferase. Protein Expression and Purification, 2009, 67, 7-14.	1.3	21
20	Enhancement of Human Thyrotropin Synthesis by Sodium Butyrate Addition to Serum-Free CHO Cell Culture. Applied Biochemistry and Biotechnology, 2013, 171, 1658-1672.	2.9	21
21	Protein refolding based on high hydrostatic pressure and alkaline pH: Application on a recombinant dengue virus NS1 protein. PLoS ONE, 2019, 14, e0211162.	2.5	17
22	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
23	High-Level Secretion of Growth Hormone by Retrovirally Transduced Primary Human Keratinocytes: Prospects for an Animal Model of Cutaneous Gene Therapy. Molecular Biotechnology, 2006, 34, 239-246.	2.4	16
24	Practical reversed-phase high-performance liquid chromatography method for laboratory-scale purification of recombinant human thyrotropin. Journal of Chromatography A, 2007, 1164, 206-211.	3.7	16
25	Growth hormone response to growth hormone-releasing peptide-2 in growth hormone-deficient Little mice. Clinics, 2012, 67, 265-272.	1.5	16
26	Longâ€term human growth hormone expression and partial phenotypic correction by plasmidâ€based gene therapy in an animal model of isolated growth hormone deficiency. Journal of Gene Medicine, 2010, 12, 580-585.	2.8	15
27	Expression, purification, and characterization of authentic mouse prolactin obtained in Escherichia coli periplasmic space. Biotechnology and Applied Biochemistry, 2012, 59, 178-185.	3.1	14
28	Influence of a Reduced CO2 Environment on the Secretion Yield, Potency and N-Glycan Structures of Recombinant Thyrotropin from CHO Cells. Molecular Biotechnology, 2008, 39, 159-166.	2.4	13
29	Suppression of Prolactin Secretion Partially Explains the Antidiabetic Effect of Bromocriptine in ob/ob Mice. Endocrinology, 2019, 160, 193-204.	2.8	13
30	Single-Step Purification of Recombinant Human Growth Hormone (hGH) Directly from Bacterial Osmotic Shock Fluids, for the Purpose of 125I-hGH Preparation. Protein Expression and Purification, 2000, 18, 115-120.	1.3	12
31	Animal Models for Growth Hormone Gene Therapy. Current Gene Therapy, 2005, 5, 493-509.	2.0	12
32	Enhancement of Human Prolactin Synthesis by Sodium Butyrate Addition to Serum-Free CHO Cell Culture. Journal of Biomedicine and Biotechnology, 2010, 2010, 1-11.	3.0	12
33	Stokes radius determination of radioiodinated polypeptide hormones by gel filtration. Analytical Biochemistry, 1988, 174, 693-697.	2.4	10
34	A Novel Homologous Model for Gene Therapy of Dwarfism by Non-Viral Transfer of the Mouse Growth Hormone Gene into Immunocompetent Dwarf Mice. Current Gene Therapy, 2014, 14, 44-51.	2.0	10
35	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
36	Laboratory Production of Human Prolactin from CHO Cells Adapted to Serum-Free Suspension Culture. Applied Biochemistry and Biotechnology, 2012, 167, 2212-2224.	2.9	9

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37	Molecular cloning and characterization of pirarucu (Arapaima gigas) follicle-stimulating hormone and luteinizing hormone Î²-subunit cDNAs. PLoS ONE, 2017, 12, e0183545.	2.5	9
38	N-glycoprofiling analysis in a simple glycoprotein model: A comparison between recombinant and pituitary glycosylated human prolactin. Journal of Biotechnology, 2015, 202, 78-87.	3.8	8
39	Cytogenetic and dosimetric effects of 131I in patients with differentiated thyroid carcinoma: comparison between stimulation with rhTSH and thyroid hormone withdrawal treatments. Radiation and Environmental Biophysics, 2016, 55, 317-328.	1.4	8
40	Expression, purification and characterization of the authentic form of human growth hormone receptor antagonist G120R-hGH obtained in Escherichia coli periplasmic space. Protein Expression and Purification, 2017, 131, 91-100.	1.3	8
41	Radioiodination of human growth hormone with characterization and minimization of the commonly defined â€œdamaged productsâ€• Clinica Chimica Acta, 1981, 110, 177-185.	1.1	7
42	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
43	Secretion of mouse growth hormone by transduced primary human keratinocytes: prospects for an animal model of cutaneous gene therapy. Journal of Gene Medicine, 2008, 10, 734-743.	2.8	7
44	Growth Responses Following a Single Intra-Muscular hGH Plasmid Administration Compared to Daily Injections of hGH in Dwarf Mice. Current Gene Therapy, 2012, 12, 437-443.	2.0	7
45	Physical-chemical and biological characterization of different preparations of equine chorionic gonadotropin. Journal of Veterinary Science, 2016, 17, 459.	1.3	7
46	Use of Radioiodine Urinalysis for Effective Thyroid Blocking in the First Few Hours Post Exposure. Health Physics, 1999, 76, 11-16.	0.5	6
47	Evaluation of the cytogenetic effects of 131I preceded by recombinant human thyrotropin (rhTSH) in peripheral lymphocytes of Wistar rats. Radiation and Environmental Biophysics, 2008, 47, 453-461.	1.4	6
48	Expression of glycosylated human prolactin in HEK293 cells and related N-glycan composition analysis. AMB Express, 2019, 9, 135.	3.0	6
49	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. Biochemistry, 2009, 48, 6887-6897.	2.5	5
50	Partial correction of the dwarf phenotype by non-viral transfer of the growth hormone gene in mice: Treatment age is critical. Growth Hormone and IGF Research, 2016, 26, 1-7.	1.1	5
51	Determination of recombinant Interferon-Î±2 in E. coli periplasmic extracts by reversed-phase high-performance liquid chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1072, 193-198.	2.3	5
52	Human bone morphogenetic protein-2 (hBMP-2) characterization by physicalâ€“chemical, immunological and biological assays. AMB Express, 2020, 10, 34.	3.0	5
53	Ultraviolet scanning densitometry for detection, quantitation, and preparative elution of protein bands from unstained gels. Analytical Biochemistry, 1989, 176, 400-405.	2.4	4
54	Improved Bioprocess with CHO-hTSH Cells on Higher Microcarrier Concentration Provides Higher Overall Biomass and Productivity for rhTSH. Applied Biochemistry and Biotechnology, 2011, 164, 401-409.	2.9	4

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55	N-Glycoprofiling Analysis for Carbohydrate Composition and Site-Occupancy Determination in a Poly-Glycosylated Protein: Human Thyrotropin of Different Origins. International Journal of Molecular Sciences, 2017, 18, 131.	4.1	4
56	High production and optimization of the method for obtaining pure recombinant human prolactin. Protein Expression and Purification, 2018, 152, 131-136.	1.3	4
57	Results of a Thyroid Monitoring Survey Carried Out on Workers Exposed to 125I in Sao Paulo, Brazil. Health Physics, 1988, 55, 511-515.	0.5	3
58	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
59	Optimization of Mouse Growth Hormone Plasmid DNA Electrotransfer into Tibialis Cranialis Muscle of â€œLittleâ€•Mice. Molecules, 2020, 25, 5034.	3.8	3
60	Validation of a Stability-indicating RP-LC Method for the Assessment of Recombinant Human Interleukin-11 and Its Correlation with Bioassay. Analytical Sciences, 2012, 28, 215-215.	1.6	2
61	Evaluation of radioinduced damage and repair capacity in human breast cancer cells, MCF-7 and T-47D. International Journal of Low Radiation, 2009, 6, 343.	0.1	1
62	Evaluation of an In Vitro Cell Culture Assay for the Potency Assessment of Recombinant Human Erythropoietin. ATLA Alternatives To Laboratory Animals, 2016, 44, 113-120.	1.0	1
63	Periplasmic synthesis and purification of the human prolactin antagonist Î”1-11-G129R-hPRL. AMB Express, 2021, 11, 62.	3.0	1
64	Influence of the expression vector and its elements on recombinant human prolactin synthesis in Escherichia coli; co-directional orientation of replication and transcription is highly critical. Journal of Microbiological Methods, 2021, 191, 106340.	1.6	1
65	Synthesis of Human Bone Morphogenetic Protein-2 (hBMP-2) in E. coli Periplasmic Space: Its Characterization and Preclinical Testing. Cells, 2021, 10, 3525.	4.1	0