

Martin Clynes

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

151
papers

4,407
citations

42
h-index

60
g-index

153
ext. papers

4,979
ext. citations

4.9
avg, IF

5.19
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 151 | Correlating transcriptional networks to breast cancer survival: a large-scale coexpression analysis. <i>Carcinogenesis</i> , 2013 , 34, 2300-8 | 4.6 | 228 |
| 150 | El Antitrypsin regulates human neutrophil chemotaxis induced by soluble immune complexes and IL-8. <i>Journal of Clinical Investigation</i> , 2010 , 120, 4236-50 | 15.9 | 191 |
| 149 | In vitro Development of Chemotherapy and Targeted Therapy Drug-Resistant Cancer Cell Lines: A Practical Guide with Case Studies. <i>Frontiers in Oncology</i> , 2014 , 4, 40 | 5.3 | 139 |
| 148 | A neutrophil intrinsic impairment affecting Rab27a and degranulation in cystic fibrosis is corrected by CFTR potentiator therapy. <i>Blood</i> , 2014 , 124, 999-1009 | 2.2 | 105 |
| 147 | Comparison of 5 microplate colorimetric assays for in vitro cytotoxicity testing and cell proliferation assays. <i>Cytotechnology</i> , 1993 , 11, 49-58 | 2.2 | 104 |
| 146 | Bone disease in multiple myeloma: pathophysiology and management. <i>Cancer Growth and Metastasis</i> , 2014 , 7, 33-42 | | 103 |
| 145 | Pre-exposure to yeast protects larvae of <i>Galleria mellonella</i> from a subsequent lethal infection by <i>Candida albicans</i> and is mediated by the increased expression of antimicrobial peptides. <i>Microbes and Infection</i> , 2006 , 8, 2105-12 | 9.3 | 102 |
| 144 | Conditioned media from cell lines: a complementary model to clinical specimens for the discovery of disease-specific biomarkers. <i>Proteomics</i> , 2011 , 11, 794-804 | 4.8 | 96 |
| 143 | Induction of apoptosis in yeast and mammalian cells by exposure to 1,10-phenanthroline metal complexes. <i>Toxicology in Vitro</i> , 2004 , 18, 63-70 | 3.6 | 90 |
| 142 | Proteomic approaches for serum biomarker discovery in cancer. <i>Anticancer Research</i> , 2007 , 27, 1247-55 | 2.3 | 90 |
| 141 | Initial identification of low temperature and culture stage induction of miRNA expression in suspension CHO-K1 cells. <i>Journal of Biotechnology</i> , 2007 , 130, 213-8 | 3.7 | 84 |
| 140 | Predicting cell-specific productivity from CHO gene expression. <i>Journal of Biotechnology</i> , 2011 , 151, 159-65 | 3.7 | 78 |
| 139 | Investigation of MRP-1 protein and MDR-1 P-glycoprotein expression in invasive breast cancer: a prognostic study. <i>International Journal of Cancer</i> , 2004 , 112, 286-94 | 7.5 | 78 |
| 138 | Acid phosphatase: endpoint for in vitro toxicity tests. <i>In Vitro Cellular & Developmental Biology</i> , 1991 , 27A, 183-4 | | 76 |
| 137 | RNAi knockdown of Hop (Hsp70/Hsp90 organising protein) decreases invasion via MMP-2 down regulation. <i>Cancer Letters</i> , 2011 , 306, 180-9 | 9.9 | 73 |
| 136 | Synthesis and X-ray crystal structure of [Ag(phendio) ₂]ClO ₄ (phendio = 1,10-phenanthroline-5,6-dione) and its effects on fungal and mammalian cells. <i>BioMetals</i> , 2004 , 17, 635-45 | 2.4 | 69 |
| 135 | Circulating miRNAs miR-34a and miR-150 associated with colorectal cancer progression. <i>BMC Cancer</i> , 2015 , 15, 329 | 4.8 | 67 |

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| 134 | Resistance to paclitaxel in a cisplatin-resistant ovarian cancer cell line is mediated by P-glycoprotein. <i>PLoS ONE</i> , 2012 , 7, e40717 | 3.7 | 66 |
| 133 | 2-D difference gel electrophoresis of the lung squamous cell carcinoma versus normal sera demonstrates consistent alterations in the levels of ten specific proteins. <i>Electrophoresis</i> , 2007 , 28, 4302-10 | 3.6 | 65 |
| 132 | Identification of microRNAs with a role in glucose stimulated insulin secretion by expression profiling of MIN6 cells. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 396, 457-62 | 3.4 | 61 |
| 131 | Lack of prognostic significance of survivin, survivin-deltaEx3, survivin-2B, galectin-3, bag-1, bax-alpha and MRP-1 mRNAs in breast cancer. <i>Cancer Letters</i> , 2003 , 201, 225-36 | 9.9 | 61 |
| 130 | Interactions of the Hdm2/p53 and proteasome pathways may enhance the antitumor activity of bortezomib. <i>Clinical Cancer Research</i> , 2009 , 15, 7153-60 | 12.9 | 60 |
| 129 | Microarray and proteomics expression profiling identifies several candidates, including the valosin-containing protein (VCP), involved in regulating high cellular growth rate in production CHO cell lines. <i>Biotechnology and Bioengineering</i> , 2010 , 106, 42-56 | 4.9 | 60 |
| 128 | Large scale microarray profiling and coexpression network analysis of CHO cells identifies transcriptional modules associated with growth and productivity. <i>Journal of Biotechnology</i> , 2011 , 155, 350-9 | 3.7 | 57 |
| 127 | Preclinical evaluation of dasatinib, a potent Src kinase inhibitor, in melanoma cell lines. <i>Journal of Translational Medicine</i> , 2008 , 6, 53 | 8.5 | 55 |
| 126 | The interaction of bortezomib with multidrug transporters: implications for therapeutic applications in advanced multiple myeloma and other neoplasias. <i>Cancer Chemotherapy and Pharmacology</i> , 2013 , 71, 1357-68 | 3.5 | 53 |
| 125 | Impact of miR-7 over-expression on the proteome of Chinese hamster ovary cells. <i>Journal of Biotechnology</i> , 2012 , 160, 251-62 | 3.7 | 51 |
| 124 | Analysis of acute-phase proteins, AHSG, C3, CLI, HP and SAA, reveals distinctive expression patterns associated with breast, colorectal and lung cancer. <i>International Journal of Cancer</i> , 2012 , 131, 911-23 | 7.5 | 51 |
| 123 | Prevalence and prognostic and predictive relevance of PRAME in breast cancer. <i>Breast Cancer Research and Treatment</i> , 2008 , 109, 359-65 | 4.4 | 49 |
| 122 | MiR-7 triggers cell cycle arrest at the G1/S transition by targeting multiple genes including Skp2 and Psme3. <i>PLoS ONE</i> , 2013 , 8, e65671 | 3.7 | 49 |
| 121 | Phenotypic and global gene expression profile changes between low passage and high passage MIN-6 cells. <i>Journal of Endocrinology</i> , 2006 , 191, 665-76 | 4.7 | 47 |
| 120 | Proteomic screening of glucose-responsive and glucose non-responsive MIN-6 beta cells reveals differential expression of proteins involved in protein folding, secretion and oxidative stress. <i>Proteomics</i> , 2006 , 6, 6578-87 | 4.8 | 46 |
| 119 | Influence of multidrug resistance and drug transport proteins on chemotherapy drug metabolism. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2015 , 11, 795-809 | 5.5 | 45 |
| 118 | Proteomic analysis of multidrug-resistance mechanisms in adriamycin-resistant variants of DLKP, a squamous lung cancer cell line. <i>Proteomics</i> , 2009 , 9, 1556-66 | 4.8 | 45 |
| 117 | Examining the relationship between cancer invasion/metastasis and drug resistance. <i>Current Cancer Drug Targets</i> , 2002 , 2, 257-77 | 2.8 | 45 |

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|-----|---|------|----|
| 116 | Galectin-3 expression alters adhesion, motility and invasion in a lung cell line (DLKP), in vitro. <i>Anticancer Research</i> , 2002 , 22, 3117-25 | 2.3 | 44 |
| 115 | Biochemical relapse following radical prostatectomy and miR-200a levels in prostate cancer. <i>Prostate</i> , 2012 , 72, 1193-9 | 4.2 | 43 |
| 114 | Differential expression of fourteen proteins between uveal melanoma from patients who subsequently developed distant metastases versus those who did Not 2012 , 53, 4634-43 | | 43 |
| 113 | Proteomic profiling of CHO cells with enhanced rhBMP-2 productivity following co-expression of PACEsol. <i>Proteomics</i> , 2008 , 8, 2611-24 | 4.8 | 43 |
| 112 | CHO cell culture longevity and recombinant protein yield are enhanced by depletion of miR-7 activity via sponge decoy vectors. <i>Biotechnology Journal</i> , 2014 , 9, 396-404 | 5.6 | 42 |
| 111 | Utilization and evaluation of CHO-specific sequence databases for mass spectrometry based proteomics. <i>Biotechnology and Bioengineering</i> , 2012 , 109, 1386-94 | 4.9 | 42 |
| 110 | Transcriptional profiling of gene expression changes in a PACE-transfected CHO DUKX cell line secreting high levels of rhBMP-2. <i>Molecular Biotechnology</i> , 2008 , 39, 187-99 | 3 | 42 |
| 109 | Drug resistance in cancer - searching for mechanisms, markers and therapeutic agents. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2007 , 3, 805-17 | 5.5 | 42 |
| 108 | Challenges of drug resistance in the management of pancreatic cancer. <i>Expert Review of Anticancer Therapy</i> , 2010 , 10, 1647-61 | 3.5 | 38 |
| 107 | Re-programming CHO cell metabolism using miR-23 tips the balance towards a highly productive phenotype. <i>Biotechnology Journal</i> , 2015 , 10, 1029-40 | 5.6 | 37 |
| 106 | Proteomic profiling of cardiomyopathic tissue from the aged mdx model of Duchenne muscular dystrophy reveals a drastic decrease in laminin, nidogen and annexin. <i>Proteomics</i> , 2013 , 13, 2312-23 | 4.8 | 37 |
| 105 | MDR-1, but not MDR-3 gene expression, is associated with unmutated IgVH genes and poor prognosis chromosomal aberrations in chronic lymphocytic leukemia. <i>Leukemia and Lymphoma</i> , 2006 , 47, 2308-13 | 1.9 | 37 |
| 104 | The multidrug-resistant human lung tumour cell line, DLKP-A10, expresses novel drug accumulation and sequestration systems. <i>Biochemical Pharmacology</i> , 1997 , 53, 1493-502 | 6 | 36 |
| 103 | Synthesis of indomethacin analogues for evaluation as modulators of MRP activity. <i>Bioorganic and Medicinal Chemistry</i> , 2001 , 9, 745-62 | 3.4 | 35 |
| 102 | PP2A inhibition overcomes acquired resistance to HER2 targeted therapy. <i>Molecular Cancer</i> , 2014 , 13, 157 | 42.1 | 34 |
| 101 | Cytogenetic comparison of two poorly differentiated human lung squamous cell carcinoma lines. <i>Cancer Genetics and Cytogenetics</i> , 1992 , 59, 111-8 | | 33 |
| 100 | The use of reverse transcriptase-polymerase chain reaction (RT-PCR) to investigate specific gene expression in multidrug-resistant cells. <i>Cytotechnology</i> , 1993 , 12, 289-314 | 2.2 | 33 |
| 99 | Development of a high-performance liquid chromatographic-mass spectrometric method for the determination of cellular levels of the tyrosine kinase inhibitors lapatinib and dasatinib. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009 , 877, 3982-90 | 3.2 | 32 |

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| 98 | Enhanced in vitro invasiveness and drug resistance with altered gene expression patterns in a human lung carcinoma cell line after pulse selection with anticancer drugs. <i>International Journal of Cancer</i> , 2004 , 111, 484-93 | 7.5 | 31 |
| 97 | Human lung carcinoma cell line DLKP contains 3 distinct subpopulations with different growth and attachment properties. <i>Tumor Biology</i> , 1998 , 19, 88-103 | 2.9 | 31 |
| 96 | Altered expression of mRNAs for apoptosis-modulating proteins in a low level multidrug resistant variant of a human lung carcinoma cell line that also expresses mdr1 mRNA. <i>International Journal of Cancer</i> , 1999 , 82, 368-76 | 7.5 | 31 |
| 95 | Investigation of the role of p53 in chemotherapy resistance of lung cancer cell lines. <i>Anticancer Research</i> , 2007 , 27, 1361-4 | 2.3 | 31 |
| 94 | Rapid and sensitive liquid chromatography-tandem mass spectrometry for the quantitation of epirubicin and identification of metabolites in biological samples. <i>Talanta</i> , 2007 , 72, 145-54 | 6.2 | 29 |
| 93 | Elevated levels of 14-3-3 proteins, serotonin, gamma enolase and pyruvate kinase identified in clinical samples from patients diagnosed with colorectal cancer. <i>Clinica Chimica Acta</i> , 2015 , 441, 133-41 | 6.2 | 26 |
| 92 | A novel panel of protein biomarkers for predicting response to thalidomide-based therapy in newly diagnosed multiple myeloma patients. <i>Proteomics</i> , 2011 , 11, 1391-402 | 4.8 | 26 |
| 91 | Identification and functional validation of RAD23B as a potential protein in human breast cancer progression. <i>Journal of Proteome Research</i> , 2014 , 13, 3212-22 | 5.6 | 25 |
| 90 | Transcriptomic analysis of clonal growth rate variation during CHO cell line development. <i>Journal of Biotechnology</i> , 2013 , 166, 105-13 | 3.7 | 24 |
| 89 | Isolation from a human MDR lung cell line of multiple clonal subpopulations which exhibit significantly different drug resistance. <i>International Journal of Cancer</i> , 1997 , 71, 907-15 | 7.5 | 24 |
| 88 | Process-relevant concentrations of the leachable bDtBPP impact negatively on CHO cell production characteristics. <i>Biotechnology Progress</i> , 2016 , 32, 1547-1558 | 2.8 | 24 |
| 87 | Proteomic differences in recombinant CHO cells producing two similar antibody fragments. <i>Biotechnology and Bioengineering</i> , 2016 , 113, 1902-12 | 4.9 | 22 |
| 86 | Increased anti-tumour efficacy of doxorubicin when combined with sulindac in a xenograft model of an MRP-1-positive human lung cancer. <i>Anticancer Research</i> , 2004 , 24, 457-64 | 2.3 | 22 |
| 85 | Glycosylation patterns of kidney proteins differ in rat diabetic nephropathy. <i>Kidney International</i> , 2015 , 87, 963-74 | 9.9 | 21 |
| 84 | Decreasing Txnip mRNA and protein levels in pancreatic MIN6 cells reduces reactive oxygen species and restores glucose regulated insulin secretion. <i>Cellular Physiology and Biochemistry</i> , 2010 , 25, 667-74 | 3.9 | 21 |
| 83 | Neutrophil Membrane Cholesterol Content is a Key Factor in Cystic Fibrosis Lung Disease. <i>EBioMedicine</i> , 2017 , 23, 173-184 | 8.8 | 20 |
| 82 | The iron-responsive microsomal proteome of <i>Aspergillus fumigatus</i> . <i>Journal of Proteomics</i> , 2016 , 136, 99-111 | 3.9 | 19 |
| 81 | Proteomic analysis of bronchoalveolar lavage fluid (BALF) from lung cancer patients using label-free mass spectrometry. <i>BBA Clinical</i> , 2017 , 7, 97-104 | | 18 |

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| 80 | Interaction of Plasma Deposited HMDSO-Based Coatings with Fibrinogen and Human Blood Plasma: The Correlation between Bulk Plasma, Surface Characteristics and Biomolecule Interaction. <i>Plasma Processes and Polymers</i> , 2010 , 7, 411-421 | 3.4 | 18 |
| 79 | Filter-Aided Sample Preparation (FASP) for Improved Proteome Analysis of Recombinant Chinese Hamster Ovary Cells. <i>Methods in Molecular Biology</i> , 2017 , 1603, 187-194 | 1.4 | 17 |
| 78 | Ultra-deep next generation mitochondrial genome sequencing reveals widespread heteroplasmy in Chinese hamster ovary cells. <i>Metabolic Engineering</i> , 2017 , 41, 11-22 | 9.7 | 16 |
| 77 | Development and characterization of a Chinese hamster ovary cell-specific oligonucleotide microarray. <i>Biotechnology Letters</i> , 2011 , 33, 1773-9 | 3 | 16 |
| 76 | Continuous translation of circularized mRNA improves recombinant protein titer. <i>Metabolic Engineering</i> , 2019 , 52, 284-292 | 9.7 | 16 |
| 75 | The Expression Pattern of the Phosphoproteome Is Significantly Changed During the Growth Phases of Recombinant CHO Cell Culture. <i>Biotechnology Journal</i> , 2018 , 13, e1700221 | 5.6 | 15 |
| 74 | Transferrin-bound proteins as potential biomarkers for advanced breast cancer patients. <i>BBA Clinical</i> , 2014 , 2, 24-30 | | 15 |
| 73 | Proteomics in uveal melanoma. <i>Experimental Eye Research</i> , 2014 , 118, 1-12 | 3.7 | 15 |
| 72 | Recent advances in clinical proteomics using mass spectrometry. <i>Bioanalysis</i> , 2010 , 2, 1609-15 | 2.1 | 15 |
| 71 | 2D-DIGE analysis of phospho-enriched fractions from dasatinib-treated melanoma cell lines. <i>Journal of Proteomics</i> , 2011 , 74, 490-501 | 3.9 | 15 |
| 70 | A Comparative Quantitative LC-MS/MS Profiling Analysis of Human Pancreatic Adenocarcinoma, Adjacent-Normal Tissue, and Patient-Derived Tumour Xenografts. <i>Proteomes</i> , 2018 , 6, | 4.6 | 15 |
| 69 | Differential Phosphoproteomic Analysis of Recombinant Chinese Hamster Ovary Cells Following Temperature Shift. <i>Journal of Proteome Research</i> , 2017 , 16, 2339-2358 | 5.6 | 14 |
| 68 | Metabolomic and proteomic analysis of breast cancer patient samples suggests that glutamate and 12-HETE in combination with CA15-3 may be useful biomarkers reflecting tumour burden. <i>Metabolomics</i> , 2015 , 11, 620-635 | 4.7 | 14 |
| 67 | Leaky Expression of the TET-On System Hinders Control of Endogenous miRNA Abundance. <i>Biotechnology Journal</i> , 2019 , 14, e1800219 | 5.6 | 13 |
| 66 | Microarray expression profiling identifies genes regulating sustained cell specific productivity (S-Qp) in CHO K1 production cell lines. <i>Biotechnology Journal</i> , 2012 , 7, 516-26 | 5.6 | 13 |
| 65 | Imatinib and docetaxel in combination can effectively inhibit glioma invasion in an in vitro 3D invasion assay. <i>Journal of Neuro-Oncology</i> , 2011 , 101, 189-98 | 4.8 | 13 |
| 64 | Exposure of a corneal epithelial cell line (hTCEpi) to Demodex-associated Bacillus proteins results in an inflammatory response. <i>Investigative Ophthalmology and Visual Science</i> , 2014 , 55, 7019-28 | | 12 |
| 63 | A novel inhibitory anti-invasive MAb isolated using phenotypic screening highlights AnxA6 as a functionally relevant target protein in pancreatic cancer. <i>British Journal of Cancer</i> , 2017 , 117, 1326-1335 | 8.7 | 12 |

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| 62 | Novel panel of protein biomarkers to predict response to bortezomib-containing induction regimens in multiple myeloma patients. <i>BBA Clinical</i> , 2017 , 8, 28-34 | | 12 |
| 61 | Towards next generation CHO cell biology: Bioinformatics methods for RNA-Seq-based expression profiling. <i>Biotechnology Journal</i> , 2015 , 10, 950-66 | 5.6 | 12 |
| 60 | CGCDB: a web-based resource for the investigation of gene coexpression in CHO cell culture. <i>Biotechnology and Bioengineering</i> , 2012 , 109, 1368-70 | 4.9 | 12 |
| 59 | Recent developments in drug resistance and apoptosis research. <i>Critical Reviews in Oncology/Hematology</i> , 1998 , 28, 181-205 | 7 | 12 |
| 58 | Parallel mRNA, proteomics and miRNA expression analysis in cell line models of the intestine. <i>World Journal of Gastroenterology</i> , 2017 , 23, 7369-7386 | 5.6 | 12 |
| 57 | Unexpected fluctuations of trace element levels in cell culture medium in vitro: caveat emptor. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2018 , 54, 555-558 | 2.6 | 11 |
| 56 | DR5-targeted, chemotherapeutic drug-loaded nanoparticles induce apoptosis and tumor regression in pancreatic cancer in vivo models. <i>Journal of Controlled Release</i> , 2020 , 324, 610-619 | 11.7 | 10 |
| 55 | Clinical utility of C-terminal telopeptide of type 1 collagen in multiple myeloma. <i>British Journal of Haematology</i> , 2016 , 173, 82-8 | 4.5 | 10 |
| 54 | Reinventing the Wheel: Synthetic Circular RNAs for Mammalian Cell Engineering. <i>Trends in Biotechnology</i> , 2020 , 38, 217-230 | 15.1 | 10 |
| 53 | Increased growth rate and productivity following stable depletion of miR-7 in a mAb producing CHO cell line causes an increase in proteins associated with the Akt pathway and ribosome biogenesis. <i>Journal of Proteomics</i> , 2019 , 195, 23-32 | 3.9 | 9 |
| 52 | Copper-induced non-monotonic dose response in Caco-2 cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2019 , 55, 221-225 | 2.6 | 9 |
| 51 | Intricate effects of primary motor neuronopathy on contractile proteins and metabolic muscle enzymes as revealed by label-free mass spectrometry. <i>Bioscience Reports</i> , 2014 , 34, | 4.1 | 9 |
| 50 | Quantitative label-free mass spectrometry analysis of formalin-fixed, paraffin-embedded tissue representing the invasive cutaneous malignant melanoma proteome. <i>Oncology Letters</i> , 2016 , 12, 3296-3304 | 3.6 | 9 |
| 49 | Depletion of endogenous miRNA-378-3p increases peak cell density of CHO DP12 cells and is correlated with elevated levels of ubiquitin carboxyl-terminal hydrolase 14. <i>Journal of Biotechnology</i> , 2018 , 288, 30-40 | 3.7 | 9 |
| 48 | Predictive biomarkers for dasatinib treatment in melanoma. <i>Oncoscience</i> , 2014 , 1, 158-66 | 0.8 | 8 |
| 47 | Proteomic strategies in the search for novel pancreatic cancer biomarkers and drug targets: recent advances and clinical impact. <i>Expert Review of Proteomics</i> , 2016 , 13, 383-94 | 4.2 | 7 |
| 46 | Characterization and response of newly developed high-grade glioma cultures to the tyrosine kinase inhibitors, erlotinib, gefitinib and imatinib. <i>Experimental Cell Research</i> , 2012 , 318, 641-52 | 4.2 | 7 |
| 45 | Conditional Knockdown of Endogenous MicroRNAs in CHO Cells Using TET-ON-SanDI Sponge Vectors. <i>Methods in Molecular Biology</i> , 2017 , 1603, 87-100 | 1.4 | 6 |

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| 44 | Transcriptomic analysis of IgG4 Fc-fusion protein degradation in a panel of clonally-derived CHO cell lines using RNASeq. <i>Biotechnology and Bioengineering</i> , 2019 , 116, 1556-1562 | 4.9 | 6 |
| 43 | miR-CATCH Identifies Biologically Active miRNA Regulators of the Pro-Survival Gene XIAP, in Chinese Hamster Ovary Cells. <i>Biotechnology Journal</i> , 2018 , 13, e1700299 | 5.6 | 6 |
| 42 | Clonal variation in productivity and proteolytic clipping of an Fc-fusion protein in CHO cells: Proteomic analysis suggests a role for defective protein folding and the UPR. <i>Journal of Biotechnology</i> , 2018 , 281, 21-30 | 3.7 | 6 |
| 41 | Zinc supplementation increases protein titer of recombinant CHO cells. <i>Cytotechnology</i> , 2019 , 71, 915-924 | 4.2 | 6 |
| 40 | Improvements in single-use bioreactor film material composition leads to robust and reliable Chinese hamster ovary cell performance. <i>Biotechnology Progress</i> , 2019 , 35, e2824 | 2.8 | 5 |
| 39 | Establishment and Characterisation by Expression Microarray of Patient-Derived Xenograft Panel of Human Pancreatic Adenocarcinoma Patients. <i>International Journal of Molecular Sciences</i> , 2020 , 21, | 6.3 | 5 |
| 38 | Improved yield of rhEPO in CHO cells with synthetic 5SUTR. <i>Biotechnology Letters</i> , 2019 , 41, 231-239 | 3 | 5 |
| 37 | An arginase-based system for selection of transfected CHO cells without the use of toxic chemicals. <i>Journal of Biological Chemistry</i> , 2019 , 294, 18756-18768 | 5.4 | 4 |
| 36 | Polypyridyl-Based Copper Phenanthrene Complexes: Combining Stability with Enhanced DNA Recognition. <i>Chemistry - A European Journal</i> , 2021 , 27, 971-983 | 4.8 | 4 |
| 35 | Phosphopeptide Enrichment and LC-MS/MS Analysis to Study the Phosphoproteome of Recombinant Chinese Hamster Ovary Cells. <i>Methods in Molecular Biology</i> , 2017 , 1603, 195-208 | 1.4 | 3 |
| 34 | Why we need good mentoring. <i>Nature Reviews Cancer</i> , 2019 , 19, 489-493 | 31.3 | 3 |
| 33 | Comparative transcriptomic analysis of cultivated limbal epithelium and donor corneal tissue reveals altered wound healing gene expression 2014 , 55, 5795-805 | | 3 |
| 32 | Statistical methods for mining Chinese hamster ovary cell omics data: from differential expression to integrated multilevel analysis of the biological system. <i>Pharmaceutical Bioprocessing</i> , 2014 , 2, 469-481 | | 3 |
| 31 | Genomic Profiling and Functional Analysis of let-7c miRNA-mRNA Interactions Identify to Be Involved in Invasion and Progression of Pancreatic Cancer. <i>Journal of Oncology</i> , 2020 , 2020, 2951921 | 4.5 | 3 |
| 30 | Proteomic analysis of pancreatic ductal adenocarcinoma. <i>Expert Review of Proteomics</i> , 2020 , 17, 453-467 | 4.2 | 3 |
| 29 | Transfection of miR-31* boosts oxidative phosphorylation metabolism in the mitochondria and enhances recombinant protein production in Chinese hamster ovary cells. <i>Journal of Biotechnology</i> , 2021 , 333, 86-96 | 3.7 | 3 |
| 28 | A proteomic profiling dataset of recombinant Chinese hamster ovary cells showing enhanced cellular growth following miR-378 depletion. <i>Data in Brief</i> , 2018 , 21, 2679-2688 | 1.2 | 3 |
| 27 | Detection of Specific mRNAs in Culture Medium Conditioned by Human Tumour Cells: Potential for New Class of Cancer Biomarkers in Serum. <i>Cancer Genomics and Proteomics</i> , 2005 , 2, 43-52 | 3.3 | 3 |

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| 26 | Subphysiological temperature induces pervasive alternative splicing in Chinese hamster ovary cells. <i>Biotechnology and Bioengineering</i> , 2020 , 117, 2489-2503 | 4.9 | 2 |
| 25 | Engineering CHO cell growth by stable manipulation of miRNA expression. <i>BMC Proceedings</i> , 2011 , 5 Suppl 8, P22 | 2.3 | 2 |
| 24 | Bone Turnover Biomarkers Are Useful In Monitoring Myeloma Bone Disease and As Early Predictor Biomarkers For Relapse Disease In Multiple Myeloma. <i>Blood</i> , 2013 , 122, 1869-1869 | 2.2 | 2 |
| 23 | Pharmacological interactions of TKIs with the P-gp drug transport protein.. <i>Journal of Clinical Oncology</i> , 2012 , 30, 2536-2536 | 2.2 | 2 |
| 22 | Proteomic Analysis of Cell Lines and Primary Tumors in Pancreatic Cancer Identifies Proteins Expressed Only In Vitro and Only In Vivo. <i>Pancreas</i> , 2020 , 49, 1109-1116 | 2.6 | 2 |
| 21 | Copper toxicity of inflection point in human intestinal cell line Caco-2 dissected: influence of temporal expression patterns. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2021 , 57, 359-371 | 2.6 | 2 |
| 20 | Characterisation and proteomic profiling of continuously exposed Cu-resistant variants of the Caco-2 cell line. <i>Toxicology in Vitro</i> , 2020 , 65, 104773 | 3.6 | 1 |
| 19 | Challenges in molecular analysis for individualized cancer therapy. <i>Drug Discovery Today</i> , 2003 , 8, 531 | 8.8 | 1 |
| 18 | A gene expression profile indicative of early stage HER2 tyrosine kinase inhibitor response.. <i>Journal of Clinical Oncology</i> , 2013 , 31, e11536-e11536 | 2.2 | 1 |
| 17 | Differential expression of miRNAs and functional role of mir-200a in high and low productivity CHO cells expressing an Fc fusion protein. <i>Biotechnology Letters</i> , 2021 , 43, 1551-1563 | 3 | 1 |
| 16 | The emerging role of cellular post-translational modifications in modulating growth and productivity of recombinant Chinese hamster ovary cells. <i>Biotechnology Advances</i> , 2021 , 49, 107757 | 17.8 | 1 |
| 15 | Mapping the molecular basis for growth related phenotypes in industrial producer CHO cell lines using differential proteomic analysis. <i>BMC Biotechnology</i> , 2021 , 21, 43 | 3.5 | 1 |
| 14 | Altered gene expression in CHO cells following polyamine starvation. <i>Biotechnology Letters</i> , 2020 , 42, 927-936 | 3 | 0 |
| 13 | The Interaction of Bortezomib with P-Gp, MRP-1 and BCRP Drug Transporters: Implications for Therapeutic Applications of Bortezomib in Advanced Multiple Myeloma and Other Neoplasias.. <i>Blood</i> , 2009 , 114, 1729-1729 | 2.2 | 0 |
| 12 | Development of whole-cell and cell-free biosensors for the detection and differentiation of organic and inorganic forms of copper. <i>Metallomics</i> , 2020 , 12, 1729-1734 | 4.5 | 0 |
| 11 | LC-MS proteomic profiling of Caco-2 human intestinal cells exposed to the copper-chelating agent, triethylenetetramine: A preliminary study. <i>Biochemical and Biophysical Research Communications</i> , 2020 , 524, 847-852 | 3.4 | |
| 10 | Examining the Impact of Altered Protein Expression and Ubiquitination Levels on the Development of Resistance to Proteasome Inhibitors Using Proteomics Analysis. <i>Blood</i> , 2015 , 126, 4208-4208 | 2.2 | |
| 9 | Prediction of Thalidomide Response in the Newly Diagnosed Untreated Multiple Myeloma Patients Based on a Panel of Protein Biomarkers. <i>Blood</i> , 2008 , 112, 5018-5018 | 2.2 | |

- 8 Proteomics as a Functional Tool in Evaluating Bortezomib Treatment and Drug Resistance Mechanism.. *Blood*, **2009**, 114, 1805-1805 2.2
- 7 Proteomic Characterization of An Isogenic Multiple Myeloma Cell Line Model of Bortezomib Resistance. *Blood*, **2011**, 118, 1820-1820 2.2
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