Krzysztof Wrzesinski

List of Publications by Year
in descending order

30 papers	1,113 citations	567144 15 h-index	501076 28 g-index
31 all docs	31 docs citations	31 times ranked	1622 citing authors

#	Article	IF	Citations
1	Proteome Analysis Reveals Phosphorylation of ATP Synthase Î²-Subunit in Human Skeletal Muscle and Proteins with Potential Roles in Type 2 Diabetes. Journal of Biological Chemistry, 2003, 278, 10436-10442.	1.6	194
2	Determination of Drug Toxicity Using 3D Spheroids Constructed From an Immortal Human Hepatocyte Cell Line. Toxicological Sciences, 2012, 127, 403-411.	1.4	159
3	Phosphoproteome Analysis of Functional Mitochondria Isolated from Resting Human Muscle Reveals Extensive Phosphorylation of Inner Membrane Protein Complexes and Enzymes. Molecular and Cellular Proteomics, 2011, 10, M110.000299.	2.5	145
4	IL-1Î² induced protein changes in diabetes prone BB rat islets of Langerhans identified by proteome analysis. Diabetologia, 2002, 45, 1550-1561.	2.9	65
5	Effect of acid shock on protein expression by biofilm cells ofStreptococcus mutans. FEMS Microbiology Letters, 2003, 227, 287-293.	0.7	58
6	The Cultural Divide: Exponential Growth in Classical 2D and Metabolic Equilibrium in 3D Environments. PLoS ONE, 2014, 9, e106973.	1.1	52
7	Top-down and Middle-down Protein Analysis Reveals that Intact and Clipped Human Histones Differ in Post-translational Modification Patterns*. Molecular and Cellular Proteomics, 2015, 14, 3142-3153.	2.5	49
8	From 2D to 3D - a New Dimension for Modelling the Effect of Natural Products on Human Tissue. Current Pharmaceutical Design, 2015, 21, 5605-5616.	0.9	45
9	Immune-mediated Î²-cell destruction in vitro and in vivoâ€"A pivotal role for galectin-3. Biochemical and Biophysical Research Communications, 2006, 344, 406-415.	1.0	41
10	After trypsinisation, 3D spheroids of C3A hepatocytes need 18 days to re-establish similar levels of key physiological functions to those seen in the liver. Toxicology Research, 2013, 2, 123-135.	0.9	40
11	HepG2/C3A 3D spheroids exhibit stable physiological functionality for at least 24 days after recovering from trypsinisation. Toxicology Research, 2013, 2, 163.	0.9	38
12	Hepatocellular carcinoma (HepG2/C3A) cell-based 3D model for genotoxicity testing of chemicals. Science of the Total Environment, 2021, 755, 143255.	3.9	31
13	Metabolic Reprogramming and the Recovery of Physiological Functionality in 3D Cultures in Micro-Bioreactors. Bioengineering, 2018, 5, 22.	1.6	29
14	Recent advances in three-dimensional cell culturing to assess liver function and dysfunction: from a drug biotransformation and toxicity perspective. Toxicology Mechanisms and Methods, 2018, 28, 369-385.	1.3	20
15	Proteomics identifies molecular networks affected by tetradecylthioacetic acid and fish oil supplemented diets. Journal of Proteomics, 2013, 84, 61-77.	1.2	17
16	Characterization of an Alginate Encapsulated LS180 Spheroid Model for Anti-colorectal Cancer Compound Screening. ACS Medicinal Chemistry Letters, 2020, 11, 1014-1021.	1.3	17
17	Cell-free DNA in a three-dimensional spheroid cell culture model: A preliminary study. International Journal of Biochemistry and Cell Biology, 2017, 89, 182-192.	1.2	15
18	Acetaminophen-induced S-nitrosylation and S-sulfenylation signalling in 3D cultured hepatocarcinoma cell spheroids. Toxicology Research, 2016, 5, 905-920.	0.9	14

#	Article	IF	Citations
19	Anticancer Potential of Sutherlandia frutescens and Xysmalobium undulatum in LS180 Colorectal Cancer Mini-Tumors. Molecules, 2021, 26, 605.	1.7	12
20	Comparative proteome analysis of three mouse lung adenocarcinoma CMT cell lines with different metastatic potential by twoâ€dimensional gel electrophoresis and mass spectrometry. Proteomics, 2008, 8, 4932-4945.	1.3	10
21	Assessing CMT cell line stability by two dimensional polyacrylamide gel electrophoresis and mass spectrometry based proteome analysis. Journal of Proteomics, 2008, 71, 160-167.	1.2	10
22	A sub-chronic Xysmalobium undulatum hepatotoxicity investigation in HepG2/C3A spheroid cultures compared to an in vivo model. Journal of Ethnopharmacology, 2019, 239, 111897.	2.0	10
23	Mass spectrometry based approach for identification and characterisation of fluorescent proteins from marine organisms. Journal of Proteomics, 2011, 75, 44-55.	1.2	9
24	Toxicity and anti-prolific properties ofXysmalobium undulatumwater extract during short-term exposure to two-dimensional and three-dimensional spheroid cell cultures. Toxicology Mechanisms and Methods, 2018, 28, 641-652.	1.3	8
25	Heteromer scoreâ€”using internal standards to assess the quality of proteomic data. Proteomics, 2014, 14, 1042-1047.	1.3	7
26	Response to and recovery from treatment in human liver-mimetic clinostat spheroids: a model for assessing repeated-dose drug toxicity. Toxicology Research, 2020, 9, 379-389.	0.9	6
27	Clinostat 3D Cell Culture: Protocols for the Preparation and Functional Analysis of Highly Reproducible, Large, Uniform Spheroids and Organoids. Methods in Molecular Biology, 2021, 2273, 17-62.	0.4	5
28	A novel NCIâ€H69V small cell lung cancer functional miniâ€tumor model for future treatment screening applications. Biotechnology Progress, 2022, 38, e3253.	1.3	4
29	A Purpose-Built System for Culturing Cells as In Vivo Mimetic 3D Structures. , 0, , .		2
30	Microgravity spheroids as a reliable, long-term tool for predictive toxicology. Toxicology Letters, 2013, 221, S153.	0.4	1