

# Krzysztof Wrzesinski

## List of Publications by Year in descending order

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Version: 2024-02-01

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	A novel NCIâ€H69V small cell lung cancer functional miniâ€tumor model for future treatment screening applications. <i>Biotechnology Progress</i> , 2022, 38, e3253.	1.3	4
2	Hepatocellular carcinoma (HepG2/C3A) cell-based 3D model for genotoxicity testing of chemicals. <i>Science of the Total Environment</i> , 2021, 755, 143255.	3.9	31
3	Anticancer Potential of <i>Sutherlandia frutescens</i> and <i>Xysmalobium undulatum</i> in LS180 Colorectal Cancer Mini-Tumors. <i>Molecules</i> , 2021, 26, 605.	1.7	12
4	Clinostat 3D Cell Culture: Protocols for the Preparation and Functional Analysis of Highly Reproducible, Large, Uniform Spheroids and Organoids. <i>Methods in Molecular Biology</i> , 2021, 2273, 17-62.	0.4	5
5	Response to and recovery from treatment in human liver-mimetic clinostat spheroids: a model for assessing repeated-dose drug toxicity. <i>Toxicology Research</i> , 2020, 9, 379-389.	0.9	6
6	Characterization of an Alginate Encapsulated LS180 Spheroid Model for Anti-colorectal Cancer Compound Screening. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 1014-1021.	1.3	17
7	A sub-chronic <i>Xysmalobium undulatum</i> hepatotoxicity investigation in HepG2/C3A spheroid cultures compared to an in vivo model. <i>Journal of Ethnopharmacology</i> , 2019, 239, 111897.	2.0	10
8	Recent advances in three-dimensional cell culturing to assess liver function and dysfunction: from a drug biotransformation and toxicity perspective. <i>Toxicology Mechanisms and Methods</i> , 2018, 28, 369-385.	1.3	20
9	Metabolic Reprogramming and the Recovery of Physiological Functionality in 3D Cultures in Micro-Bioreactors. <i>Bioengineering</i> , 2018, 5, 22.	1.6	29
10	Toxicity and anti-proliferative properties of <i>Xysmalobium undulatum</i> water extract during short-term exposure to two-dimensional and three-dimensional spheroid cell cultures. <i>Toxicology Mechanisms and Methods</i> , 2018, 28, 641-652.	1.3	8
11	Cell-free DNA in a three-dimensional spheroid cell culture model: A preliminary study. <i>International Journal of Biochemistry and Cell Biology</i> , 2017, 89, 182-192.	1.2	15
12	Acetaminophen-induced S-nitrosylation and S-sulfenylation signalling in 3D cultured hepatocarcinoma cell spheroids. <i>Toxicology Research</i> , 2016, 5, 905-920.	0.9	14
13	Top-down and Middle-down Protein Analysis Reveals that Intact and Clipped Human Histones Differ in Post-translational Modification Patterns*. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 3142-3153.	2.5	49
14	From 2D to 3D - a New Dimension for Modelling the Effect of Natural Products on Human Tissue. <i>Current Pharmaceutical Design</i> , 2015, 21, 5605-5616.	0.9	45
15	The Cultural Divide: Exponential Growth in Classical 2D and Metabolic Equilibrium in 3D Environments. <i>PLoS ONE</i> , 2014, 9, e106973.	1.1	52
16	Heteromer scoreâ€”using internal standards to assess the quality of proteomic data. <i>Proteomics</i> , 2014, 14, 1042-1047.	1.3	7
17	HepG2/C3A 3D spheroids exhibit stable physiological functionality for at least 24 days after recovering from trypsinisation. <i>Toxicology Research</i> , 2013, 2, 163.	0.9	38
18	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. <i>Toxicology Research</i> , 2013, 2, 123-135.	0.9	40

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19	Microgravity spheroids as a reliable, long-term tool for predictive toxicology. <i>Toxicology Letters</i> , 2013, 221, S153.	0.4	1
20	Proteomics identifies molecular networks affected by tetradecylthioacetic acid and fish oil supplemented diets. <i>Journal of Proteomics</i> , 2013, 84, 61-77.	1.2	17
21	Determination of Drug Toxicity Using 3D Spheroids Constructed From an Immortal Human Hepatocyte Cell Line. <i>Toxicological Sciences</i> , 2012, 127, 403-411.	1.4	159
22	Mass spectrometry based approach for identification and characterisation of fluorescent proteins from marine organisms. <i>Journal of Proteomics</i> , 2011, 75, 44-55.	1.2	9
23	Phosphoproteome Analysis of Functional Mitochondria Isolated from Resting Human Muscle Reveals Extensive Phosphorylation of Inner Membrane Protein Complexes and Enzymes. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.000299.	2.5	145
24	Comparative proteome analysis of three mouse lung adenocarcinoma CMT cell lines with different metastatic potential by two-dimensional gel electrophoresis and mass spectrometry. <i>Proteomics</i> , 2008, 8, 4932-4945.	1.3	10
25	Assessing CMT cell line stability by two dimensional polyacrylamide gel electrophoresis and mass spectrometry based proteome analysis. <i>Journal of Proteomics</i> , 2008, 71, 160-167.	1.2	10
26	Immune-mediated $\hat{I}^2$ -cell destruction in vitro and in vivo – A pivotal role for galectin-3. <i>Biochemical and Biophysical Research Communications</i> , 2006, 344, 406-415.	1.0	41
27	Effect of acid shock on protein expression by biofilm cells of <i>Streptococcus mutans</i> . <i>FEMS Microbiology Letters</i> , 2003, 227, 287-293.	0.7	58
28	Proteome Analysis Reveals Phosphorylation of ATP Synthase $\hat{I}^2$ -Subunit in Human Skeletal Muscle and Proteins with Potential Roles in Type 2 Diabetes. <i>Journal of Biological Chemistry</i> , 2003, 278, 10436-10442.	1.6	194
29	IL-1 $\hat{I}^2$ induced protein changes in diabetes prone BB rat islets of Langerhans identified by proteome analysis. <i>Diabetologia</i> , 2002, 45, 1550-1561.	2.9	65
30	A Purpose-Built System for Culturing Cells as <i>In Vivo</i> Mimetic 3D Structures. , 0, , .		2