

Stephen J Fey

List of Publications by Year in descending order

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83
papers

4,432
citations

94269

37
h-index

106150

65
g-index

83
all docs

83
docs citations

83
times ranked

3735
citing authors

#	ARTICLE	IF	CITATIONS
1	A Double-Edged Sword: Thioxanthenes Act on Both the Mind and the Microbiome. <i>Molecules</i> , 2022, 27, 196.	1.7	4
2	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
3	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
4	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
5	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
6	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
7	Metabolic Reprogramming and the Recovery of Physiological Functionality in 3D Cultures in Micro-Bioreactors. <i>Bioengineering</i> , 2018, 5, 22.	1.6	29
8	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
9	Acetaminophen-induced S-nitrosylation and S-sulfonylation signalling in 3D cultured hepatocarcinoma cell spheroids. <i>Toxicology Research</i> , 2016, 5, 905-920.	0.9	14
10	Molar ratios of therapeutic water-soluble phenothiazine-water-insoluble phospholipid adducts reveal a Fibonacci correlation and a putative link for structure-activity relationships. <i>RSC Advances</i> , 2015, 5, 20865-20877.	1.7	2
11	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
12	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
13	The Cultural Divide: Exponential Growth in Classical 2D and Metabolic Equilibrium in 3D Environments. <i>PLoS ONE</i> , 2014, 9, e106973.	1.1	52
14	Heteromer score using internal standards to assess the quality of proteomic data. <i>Proteomics</i> , 2014, 14, 1042-1047.	1.3	7
15	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
16	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
17	Microgravity spheroids as a reliable, long-term tool for predictive toxicology. <i>Toxicology Letters</i> , 2013, 221, S153.	0.4	1
18	2-O- β -D-glucopyranosyloxy-3-phenylpropenoic acid, an α -hydroxy acid from rooibos (<i>Aspalathus linearis</i>) with hypoglycemic activity. <i>Molecular Nutrition and Food Research</i> , 2013, 57, 2216-2222.	1.5	28

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19	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
20	Acute assessment of an aspalathin-enriched green rooibos (<i>Aspalathus linearis</i>) extract with hypoglycemic potential. <i>Phytomedicine</i> , 2012, 20, 32-39.	2.3	87
21	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
22	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
23	Immune-mediated β -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
24	Different islet protein expression profiles during spontaneous diabetes development vs. allograft rejection in BB-DP rats. <i>Autoimmunity</i> , 2006, 39, 315-321.	1.2	2
25	Proteome Profiling of <i>Populus euphratica</i> Oliv. Upon Heat Stress. <i>Annals of Botany</i> , 2006, 98, 361-377.	1.4	181
26	Transforming Growth Factor- β 1 Specifically Induce Proteins Involved in the Myofibroblast Contractile Apparatus. <i>Molecular and Cellular Proteomics</i> , 2004, 3, 466-477.	2.5	97
27	Protein expression changes in a cell system of beta-cell maturation reflect an acquired sensitivity to IL-1?. <i>Diabetologia</i> , 2004, 47, 62-74.	2.9	22
28	Changes in expression of IL-1 β influenced proteins in transplanted islets during development of diabetes in diabetes-prone BB rats. <i>Diabetologia</i> , 2004, 47, 892-908.	2.9	25
29	Intrauterine programming of fetal islet gene expression in rats: effects of maternal protein restriction during gestation revealed by proteome analysis. <i>Diabetologia</i> , 2003, 46, 1497-1511.	2.9	52
30	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
31	Proteome Analysis Reveals Phosphorylation of ATP Synthase β -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
32	Stress-induced premature senescence and replicative senescence are different phenotypes, proteomic evidence. <i>Biochemical Pharmacology</i> , 2002, 64, 1011-1017.	2.0	76
33	IL-1 β 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
34	The Effects of Transcription Regulating Genes PDR1, pdr1-3 and PDR3 in Pleiotropic Drug Resistance. <i>European Journal of Mass Spectrometry</i> , 2001, 7, 195-205.	0.5	6
35	2D or not 2D. <i>Current Opinion in Chemical Biology</i> , 2001, 5, 26-33.	2.8	193
36	Comparison of the Proteomes of Three Yeast Wild Type Strains: CEN.PK2, FY1679 and W303. <i>Comparative and Functional Genomics</i> , 2001, 2, 207-225.	2.0	36

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37	Characterization of differently processed forms of enolase 2 from <i>Saccharomyces cerevisiae</i> by two-dimensional gel electrophoresis and mass spectrometry. <i>Electrophoresis</i> , 2001, 22, 566-575.	1.3	42
38	Phospho-proteomics: Evaluation of the use of enzymatic de-phosphorylation and differential mass spectrometric peptide mass mapping for site specific phosphorylation assignment in proteins separated by gel electrophoresis. <i>Proteomics</i> , 2001, 1, 223-238.	1.3	158
39	The effects of transcription regulating genes PDR1, pdr1-3 and PDR3 in pleiotropic drug resistance. <i>Proteomics</i> , 2001, 1, 1022-1032.	1.3	25
40	Proteome Analysis of Interleukin-1 β -Induced Changes in Protein Expression in Rat Islets of Langerhans. <i>Diabetes</i> , 2001, 50, 1056-1063.	0.3	78
41	Towards higher resolution: Two-dimensional Electrophoresis of <i>Saccharomyces cerevisiae</i> proteins using overlapping narrow immobilized pH gradients. <i>Electrophoresis</i> , 2000, 21, 2610-2616.	1.3	222
42	Cytokine- or chemically derived nitric oxide alters the expression of proteins detected by two-dimensional gel electrophoresis in neonatal rat islets of Langerhans. <i>Diabetes</i> , 2000, 49, 1819-1829.	0.3	50
43	Islet Protein Expression Changes during Diabetes Development in Islet Syngrafts in BB-DP Rats and during Rejection of BB-DP Islet Allografts. <i>Autoimmunity</i> , 2000, 32, 1-15.	1.2	20
44	Towards higher resolution: Two-dimensional Electrophoresis of <i>Saccharomyces cerevisiae</i> proteins using overlapping narrow immobilized pH gradients. , 2000, 21, 2610.		3
45	Two-dimensional gel analysis of human endometrial proteins: characterization of proteins with increased expression in hyperplasia and adenocarcinoma. <i>Molecular Human Reproduction</i> , 1999, 5, 748-756.	1.3	59
46	Comparison of yeast cell protein solubilization procedures for two-dimensional electrophoresis. <i>Electrophoresis</i> , 1999, 20, 826-829.	1.3	169
47	Correlation of acidic and basic carrier ampholyte and immobilized pH gradient two-dimensional gel electrophoresis patterns based on mass spectrometric protein identification. <i>Electrophoresis</i> , 1998, 19, 1024-1035.	1.3	53
48	Proteome analysis of <i>Saccharomyces cerevisiae</i> : A methodological outline. <i>Electrophoresis</i> , 1997, 18, 1361-1372.	1.3	82
49	Interleukin-1 β induced changes in the protein expression of rat islets: A computerized database. <i>Electrophoresis</i> , 1997, 18, 2091-2103.	1.3	52
50	Identification and characterization of glim 38, a glycosylated islet cell membrane antigen, which together with GAD65 and IA2 marks the early phases of autoimmune response in type 1 diabetes.. <i>Journal of Clinical Investigation</i> , 1996, 97, 2772-2783.	3.9	73
51	Interlaboratory reproducibility of yeast protein patterns analyzed by immobilized pH gradient two-dimensional gel electrophoresis. <i>Electrophoresis</i> , 1995, 16, 1935-1945.	1.3	161
52	Two-dimensional gel electrophoresis of rat islet proteins. Interleukin 1 beta-induced changes in protein expression are reduced by L-arginine depletion and nicotinamide. <i>Diabetes</i> , 1995, 44, 400-407.	0.3	13
53	Cloning and expression of cytokine-inducible nitric oxide synthase cDNA from rat islets of Langerhans. <i>Diabetes</i> , 1995, 44, 753-758.	0.3	12
54	<i>Chlamydia trachomatis</i> contains a protein similar to the <i>Legionella pneumophila</i> mip gene product. <i>Molecular Microbiology</i> , 1991, 5, 109-115.	1.2	77

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55	Morphological differentiation and changes in polypeptide synthesis pattern during regeneration of human epidermal tissue developed in vitro. <i>Differentiation</i> , 1991, 47, 37-48.	1.0	7
56	Markers for human placental trophoblasts in two-dimensional gel electrophoresis. <i>In Vitro Cellular & Developmental Biology</i> , 1990, 26, 937-943.	1.0	4
57	Demonstration of In Vitro Synthesis of Human Papilloma Viral Proteins from Hand and Foot Warts. <i>Journal of Investigative Dermatology</i> , 1989, 92, 817-824.	0.3	7
58	Revelation of specificity of 64K autoantibodies in IDDM serums by high-resolution 2-D gel electrophoresis. Unambiguous identification of 64K target antigen. <i>Diabetes</i> , 1989, 38, 1133-1141.	0.3	16
59	Future trends in cervical cancer. <i>Cancer Letters</i> , 1988, 41, 123-137.	3.2	23
60	DNA viruses and human cancer. <i>Cancer Letters</i> , 1988, 41, 1-19.	3.2	8
61	Human papilloma virus (HPV) and carcinomas of the head and neck. <i>Clinical Otolaryngology</i> , 1988, 13, 447-454.	0.6	35
62	The type of human papillomavirus present in cervical infections can be determined by the occurrence of specific marker proteins. <i>Cell Biology International Reports</i> , 1986, 10, 905-913.	0.7	7
63	Preferential Phosphorylation of Keratins and Vimentin During Mitosis in Normal and Transformed Human Amnion Cells. <i>Annals of the New York Academy of Sciences</i> , 1985, 455, 268-281.	1.8	12
64	Expression of the transformation-sensitive protein "cyclin" in normal human epidermal basal cells and simian virus 40-transformed keratinocytes.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1984, 81, 3128-3132.	3.3	48
65	Cyclin: A nuclear protein whose level correlates directly with the proliferative state of normal as well as transformed cells. <i>Leukemia Research</i> , 1984, 8, 143-157.	0.4	235
66	Intermediate filaments in monkey kidney TC7 cells: focal centers and interrelationship with other cytoskeletal systems.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1984, 81, 1117-1121.	3.3	39
67	Correlation between Mouse and Human Two-Dimensional Gel Patterns: Peptide Mapping of Proteins Extracted from Two-Dimensional Gels. , 1984, , 169-189.		8
68	Expression of Cellular Proteins in Normal and Transformed Human Cultured Cells and Tumors: Two-Dimensional Gel Electrophoresis as a Tool to Study Neoplastic Transformation and Cancer. , 1984, , 307-362.		18
69	Mouse mitochondrial protein IEF 24: Identification and immunohistochemical localization of mitochondria in various tissues. <i>Electrophoresis</i> , 1983, 4, 247-256.	1.3	22
70	Evidence for coordinated phosphorylation of keratins and vimentin during mitosis in transformed human amnion cells. <i>FEBS Letters</i> , 1983, 157, 165-169.	1.3	36
71	Proteins IEF (isoelectric focusing) 31 and IEF 46 are keratin-type components of the intermediate-sized filaments: keratins of various human cultured epithelial cells.. <i>Journal of Cell Biology</i> , 1983, 96, 416-423.	2.3	28
72	Differential immunological crossreactivity of HeLa keratin antibodies with human epidermal keratins.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1983, 80, 1905-1909.	3.3	17

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73	Phosphorylation of keratin and vimentin polypeptides in normal and transformed mitotic human epithelial amnion cells: behavior of keratin and vimentin filaments during mitosis.. Journal of Cell Biology, 1983, 97, 1429-1434.	2.3	142
74	More than one-third of the discernible mouse polypeptides are not expressed in a Chinese hamster-mouse embryo fibroblast hybrid that retains all mouse chromosomes.. Proceedings of the National Academy of Sciences of the United States of America, 1982, 79, 2281-2285.	3.3	13
75	Putative association of mitochondria with a subpopulation of intermediate-sized filaments in cultured human skin fibroblasts. Cell, 1982, 31, 681-692.	13.5	131
76	Architecture and polypeptide composition of HeLa cytoskeletons. Journal of Molecular Biology, 1982, 154, 121-143.	2.0	172
77	Towards Mapping Genes to Chromosomes Using Two Dimensional Gel Electrophoresis of Proteins and Somatic Cell Hybridization. Preliminary Studies. , 1982, , 43-54.		1
78	Identification of a nuclear and of a cytoplasmic polypeptide whose relative proportions are sensitive to changes in the rate of cell proliferation. Experimental Cell Research, 1981, 136, 311-319.	1.2	207
79	Coexistence of three major isoactins in a single sarcoma 180 cell. Cell, 1981, 25, 195-202.	13.5	82
80	[S]-methionine labelled polypeptides from secondary mouse kidney fibroblasts: Coordinates and one dimensional peptide maps of some major polypeptides. Cell Biology International Reports, 1981, 5, 491-500.	0.7	45
81	Gene expression in murine hybrids exhibiting different morphologies and tumorigenic properties. Carcinogenesis, 1981, 2, 769-782.	1.3	24
82	Transcription of globin genes in reticulocyte chromatin. FEBS Letters, 1979, 105, 131-136.	1.3	5
83	A Purpose-Built System for Culturing Cells as <i>In Vivo</i> Mimetic 3D Structures. , 0, , .		2