

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	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
2	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
3	Identification of a nuclear and of a cytoplasmic polypeptide whose relative proportions are sensitive to changes in the rate of cell proliferation. <i>Experimental Cell Research</i> , 1981, 136, 311-319.	1.2	207
4	Proteome Analysis Reveals Phosphorylation of ATP Synthase $\hat{\gamma}$ -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
5	2D or not 2D. <i>Current Opinion in Chemical Biology</i> , 2001, 5, 26-33.	2.8	193
6	Proteome Profiling of <i>Populus euphratica</i> Oliv. Upon Heat Stress. <i>Annals of Botany</i> , 2006, 98, 361-377.	1.4	181
7	Architecture and polypeptide composition of HeLa cytoskeletons. <i>Journal of Molecular Biology</i> , 1982, 154, 121-143.	2.0	172
8	Comparison of yeast cell protein solubilization procedures for two-dimensional electrophoresis. <i>Electrophoresis</i> , 1999, 20, 826-829.	1.3	169
9	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
10	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
11	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
12	Phosphorylation of keratin and vimentin polypeptides in normal and transformed mitotic human epithelial amnion cells: behavior of keratin and vimentin filaments during mitosis.. <i>Journal of Cell Biology</i> , 1983, 97, 1429-1434.	2.3	142
13	Putative association of mitochondria with a subpopulation of intermediate-sized filaments in cultured human skin fibroblasts. <i>Cell</i> , 1982, 31, 681-692.	13.5	131
14	Transforming Growth Factor- $\hat{\gamma}21$ Specifically Induce Proteins Involved in the Myofibroblast Contractile Apparatus. <i>Molecular and Cellular Proteomics</i> , 2004, 3, 466-477.	2.5	97
15	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
16	Coexistence of three major isoactins in a single sarcoma 180 cell. <i>Cell</i> , 1981, 25, 195-202.	13.5	82
17	Proteome analysis of <i>Saccharomyces cerevisiae</i> : A methodological outline. <i>Electrophoresis</i> , 1997, 18, 1361-1372.	1.3	82
18	Proteome Analysis of Interleukin-1 $\hat{\alpha}$ -Induced Changes in Protein Expression in Rat Islets of Langerhans. <i>Diabetes</i> , 2001, 50, 1056-1063.	0.3	78

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19	Chlamydia trachomatis contains a protein similar to the Legionella pneumophila mip gene product. <i>Molecular Microbiology</i> , 1991, 5, 109-115.	1.2	77
20	Stress-induced premature senescence and replicative senescence are different phenotypes, proteomic evidence. <i>Biochemical Pharmacology</i> , 2002, 64, 1011-1017.	2.0	76
21	Identification and characterization of glima 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
22	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
23	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
24	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
25	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
26	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
27	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
28	The Cultural Divide: Exponential Growth in Classical 2D and Metabolic Equilibrium in 3D Environments. <i>PLoS ONE</i> , 2014, 9, e106973.	1.1	52
29	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
30	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
31	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
32	[S]-methionine labelled polypeptides from secondary mouse kidney fibroblasts: Coordinates and one dimensional peptide maps of some major polypeptides. <i>Cell Biology International Reports</i> , 1981, 5, 491-500.	0.7	45
33	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
34	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
35	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
36	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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37	Intermediate filaments in monkey kidney TC7 cells: focal centers and interrelationship with other cytoskeletal systems.. Proceedings of the National Academy of Sciences of the United States of America, 1984, 81, 1117-1121.	3.3	39
38	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
39	Evidence for coordinated phosphorylation of keratins and vimentin during mitosis in transformed human amnion cells. FEBS Letters, 1983, 157, 165-169.	1.3	36
40	Comparison of the Proteomes of Three Yeast Wild Type Strains: CEN.PK2, FY1679 and W303. Comparative and Functional Genomics, 2001, 2, 207-225.	2.0	36
41	Human papilloma virus (HPV) and carcinomas of the head and neck. Clinical Otolaryngology, 1988, 13, 447-454.	0.6	35
42	Metabolic Reprogramming and the Recovery of Physiological Functionality in 3D Cultures in Micro-Bioreactors. Bioengineering, 2018, 5, 22.	1.6	29
43	Proteins IEF (isoelectric focusing) 31 and IEF 46 are keratin-type components of the intermediate-sized filaments: keratins of various human cultured epithelial cells.. Journal of Cell Biology, 1983, 96, 416-423.	2.3	28
44	<i>Z</i> -2-(<i>1</i> -glucopyranosyloxy)- <i>3</i> -phenylpropenoic acid, an α -hydroxy acid from rooibos (<i>Aspalathus linearis</i>) with hypoglycemic activity. Molecular Nutrition and Food Research, 2013, 57, 2216-2222.	1.5	28
45	The effects of transcription regulating genes PDR1, pdr1-3 and PDR3 in pleiotropic drug resistance. Proteomics, 2001, 1, 1022-1032.	1.3	25
46	Changes in expression of IL-1 β influenced proteins in transplanted islets during development of diabetes in diabetes-prone BB rats. Diabetologia, 2004, 47, 892-908.	2.9	25
47	Gene expression in murine hybrids exhibiting different morphologies and tumorigenic properties. Carcinogenesis, 1981, 2, 769-782.	1.3	24
48	Future trends in cervical cancer. Cancer Letters, 1988, 41, 123-137.	3.2	23
49	Mouse mitochondrial protein IEF 24: Identification and immunohistochemical localization of mitochondria in various tissues. Electrophoresis, 1983, 4, 247-256.	1.3	22
50	Protein expression changes in a cell system of beta-cell maturation reflect an acquired sensitivity to IL-1?. Diabetologia, 2004, 47, 62-74.	2.9	22
51	Islet Protein Expression Changes during Diabetes Development in Islet Syngrafts in BB-DP Rats and during Rejection of BB-DP Islet Allografts. Autoimmunity, 2000, 32, 1-15.	1.2	20
52	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
53	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
54	Differential immunological crossreactivity of HeLa keratin antibodies with human epidermal keratins.. Proceedings of the National Academy of Sciences of the United States of America, 1983, 80, 1905-1909.	3.3	17

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55	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
56	Revelation of specificity of 64K autoantibodies in IDDM serums by high-resolution 2-D gel electrophoresis. Unambiguous identification of 64K target antigen. Diabetes, 1989, 38, 1133-1141.	0.3	16
57	Acetaminophen-induced S-nitrosylation and S-sulfonylation signalling in 3D cultured hepatocarcinoma cell spheroids. Toxicology Research, 2016, 5, 905-920.	0.9	14
58	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
59	Two-dimensional gel electrophoresis of rat islet proteins. Interleukin 1 beta-induced changes in protein expression are reduced by L-arginine depletion and nicotinamide. Diabetes, 1995, 44, 400-407.	0.3	13
60	Preferential Phosphorylation of Keratins and Vimentin During Mitosis in Normal and Transformed Human Amnion Cells. Annals of the New York Academy of Sciences, 1985, 455, 268-281.	1.8	12
61	Cloning and expression of cytokine-inducible nitric oxide synthase cDNA from rat islets of Langerhans. Diabetes, 1995, 44, 753-758.	0.3	12
62	Comparative proteome analysis of three mouse lung adenocarcinoma CMT cell lines with different metastatic potential by two-dimensional gel electrophoresis and mass spectrometry. Proteomics, 2008, 8, 4932-4945.	1.3	10
63	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
64	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
65	DNA viruses and human cancer. Cancer Letters, 1988, 41, 1-19.	3.2	8
66	Toxicity and anti-proliferative properties of Xysmalobium undulatum water 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
67	Correlation between Mouse and Human Two-Dimensional Gel Patterns: Peptide Mapping of Proteins Extracted from Two-Dimensional Gels. , 1984, , 169-189.		8
68	The type of human papillomavirus present in cervical infections can be determined by the occurrence of specific marker proteins. Cell Biology International Reports, 1986, 10, 905-913.	0.7	7
69	Demonstration of In Vitro Synthesis of Human Papilloma Viral Proteins from Hand and Foot Warts. Journal of Investigative Dermatology, 1989, 92, 817-824.	0.3	7
70	Morphological differentiation and changes in polypeptide synthesis pattern during regeneration of human epidermal tissue developed in vitro. Differentiation, 1991, 47, 37-48.	1.0	7
71	Heteromer score using internal standards to assess the quality of proteomic data. Proteomics, 2014, 14, 1042-1047.	1.3	7
72	The Effects of Transcription Regulating Genes PDR1, pdr1-3 and PDR3 in Pleiotropic Drug Resistance. European Journal of Mass Spectrometry, 2001, 7, 195-205.	0.5	6

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73	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
74	Transcription of globin genes in reticulocyte chromatin. <i>FEBS Letters</i> , 1979, 105, 131-136.	1.3	5
75	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
76	Markers for human placental trophoblasts in two-dimensional gel electrophoresis. <i>In Vitro Cellular & Developmental Biology</i> , 1990, 26, 937-943.	1.0	4
77	A Double-Edged Sword: Thioxanthenes Act on Both the Mind and the Microbiome. <i>Molecules</i> , 2022, 27, 196.	1.7	4
78	Towards higher resolution: Two-dimensional Electrophoresis of <i>Saccharomyces cerevisiae</i> proteins using overlapping narrow immobilized pH gradients. , 2000, 21, 2610.		3
79	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
80	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
81	A Purpose-Built System for Culturing Cells as <i>In Vivo</i> Mimetic 3D Structures. , 0, , .		2
82	Microgravity spheroids as a reliable, long-term tool for predictive toxicology. <i>Toxicology Letters</i> , 2013, 221, S153.	0.4	1
83	Towards Mapping Genes to Chromosomes Using Two Dimensional Gel Electrophoresis of Proteins and Somatic Cell Hybridization. <i>Preliminary Studies</i> . , 1982, , 43-54.		1