John F Timms

List of Publications by Year
in descending order

52 papers	5,380 citations	159585 30 h-index	189892 50 g-index
53 all docs	53 docs citations	53 times ranked	7374 citing authors

#	Article	IF	Citations
1	Synthesis and Function of 3-Phosphorylated Inositol Lipids. Annual Review of Biochemistry, 2001, 70, 535-602.	11.1	1,457
2	Cellular Function of Phosphoinositide 3-Kinases: Implications for Development, Immunity, Homeostasis, and Cancer. Annual Review of Cell and Developmental Biology, 2001, 17, 615-675.	9.4	1,047
3	Evaluation of Two-dimensional Differential Gel Electrophoresis for Proteomic Expression Analysis of a Model Breast Cancer Cell System. Molecular and Cellular Proteomics, 2002, 1, 91-98.	3.8	255
4	Regulation of Early Events in Integrin Signaling by Protein Tyrosine Phosphatase SHP-2. Molecular and Cellular Biology, 1999, 19, 3205-3215.	2.3	204
5	Identification of Major Binding Proteins and Substrates for the SH2-Containing Protein Tyrosine Phosphatase SHP-1 in Macrophages. Molecular and Cellular Biology, 1998, 18, 3838-3850.	2.3	189
6	Serum CA19-9 Is Significantly Upregulated up to 2 Years before Diagnosis with Pancreatic Cancer: Implications for Early Disease Detection. Clinical Cancer Research, 2015, 21, 622-631.	7.0	158
7	Preanalytic Influence of Sample Handling on SELDI-TOF Serum Protein Profiles. Clinical Chemistry, 2007, 53, 645-656.	3.2	131
8	The B-cell transmembrane protein CD72 binds to and is an in vivo substrate of the protein tyrosine phosphatase SHP-1. Current Biology, 1998, 8, 1009-1017.	3.9	125
9	Effects of ErbB-2 overexpression on mitogenic signalling and cell cycle progression in human breast luminal epithelial cells. Oncogene, 2002, 21, 6573-6586.	5.9	111
10	SHPS-1 is a scaffold for assembling distinct adhesion-regulated multi-protein complexes in macrophages. Current Biology, 1999, 9, 927-S4.	3.9	103
11	Proteomic analysis of redox- and ErbB2-dependent changes in mammary luminal epithelial cells using cysteine- and lysine-labelling two-dimensional difference gel electrophoresis. Proteomics, 2005, 5, 2908-2926.	2.2	100
12	The Role of S100P in the Invasion of Pancreatic Cancer Cells Is Mediated through Cytoskeletal Changes and Regulation of Cathepsin D. Cancer Research, 2007, 67, 8633-8642.	0.9	90
13	Testing breast cancer serum biomarkers for early detection and prognosis in pre-diagnosis samples. British Journal of Cancer, 2017, 116, 501-508.	6.4	86
14	Evaluation of serum CEA, CYFRA21-1 and CA125 for the early detection of colorectal cancer using longitudinal preclinical samples. British Journal of Cancer, 2015, 113, 268-274.	6.4	84
15	Dynamic cofilin phosphorylation in the control of lamellipodial actin homeostasis. Journal of Cell Science, 2007, 120, 1888-1897.	2.0	82
16	Lectin microarray profiling of metastatic breast cancers. Glycobiology, 2011, 21, 1060-1070.	2.5	82
17	Heat Shock Protein 27 Is the Major Differentially Phosphorylated Protein Involved in Renal Epithelial Cellular Stress Response and Controls Focal Adhesion Organization and Apoptosis. Journal of Biological Chemistry, 2005, 280, 29885-29898.	3.4	81
18	Proteomics study of oxidative stress and Src kinase inhibition in H9C2 cardiomyocytes: a cell model of heart ischemiaâ€"reperfusion injury and treatment. Free Radical Biology and Medicine, 2010, 49, 96-108.	2.9	81

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19	A parallel proteomic and metabolomic analysis of the hydrogen peroxide- and Sty1p-dependent stress response inSchizosaccharomyces pombe. Proteomics, 2006, 6, 2772-2796.	2.2	70
20	A combination of serum leucine-rich α-2-glycoprotein 1, CA19-9 and interleukin-6 differentiate biliary tract cancer from benign biliary strictures. British Journal of Cancer, 2011, 105, 1370-1378.	6.4	63
21	Proteomic analysis of UVC irradiation-induced damage of plasma proteins: Serum amyloid P component as a major target of photolysis. FEBS Letters, 2006, 580, 3229-3236.	2.8	62
22	Three‐dimensional *inÂvitro* cell biology models of ovarian and endometrial cancer. Cell Proliferation, 2009, 42, 219-228.	5.3	60
23	Improved early detection of ovarian cancer using longitudinal multimarker models. British Journal of Cancer, 2020, 122, 847-856.	6.4	60
24	Identification of Aldo-Keto Reductase AKR1B10 as a Selective Target for Modification and Inhibition by Prostaglandin A1: Implications for Antitumoral Activity. Cancer Research, 2011, 71, 4161-4171.	0.9	49
25	Cellular responses to ErbB-2 overexpression in human mammary luminal epithelial cells: comparison of mRNA and protein expression. British Journal of Cancer, 2004, 90, 173-181.	6.4	43
26	Study of protein targets for covalent modification by the antitumoral and anti‐inflammatory prostaglandin PGA_1: focus on vimentin. Journal of Mass Spectrometry, 2007, 42, 1474-1484.	1.6	43
27	Major Role of Epidermal Growth Factor Receptor and Src Kinases in Promoting Oxidative Stress-dependent Loss of Adhesion and Apoptosis in Epithelial Cells. Journal of Biological Chemistry, 2010, 285, 4307-4318.	3.4	42
28	Discovery of serum biomarkers of ovarian cancer using complementary proteomic profiling strategies. Proteomics - Clinical Applications, 2014, 8, 982-993.	1.6	41
29	The phenotype of a knockout mouse identifies flavin-containing monooxygenase 5 (FMO5) as a regulator of metabolic ageing. Biochemical Pharmacology, 2015, 96, 267-277.	4.4	39
30	A well‐characterised peak identification list of MALDI MS profile peaks for human blood serum. Proteomics, 2010, 10, 3388-3392.	2.2	32
31	Discovery of non-invasive biomarkers for the diagnosis of endometriosis. Clinical Proteomics, 2019, 16, 14.	2.1	32
32	Peptides Generated Ex Vivo from Serum Proteins by Tumor-Specific Exopeptidases Are Not Useful Biomarkers in Ovarian Cancer. Clinical Chemistry, 2010, 56, 262-271.	3.2	31
33	Stress-induced changes in theSchizosaccharomyces pombe proteome using two-dimensional difference gel electrophoresis, mass spectrometry and a novel integrated robotics platform. Proteomics, 2005, 5, 1669-1685.	2.2	24
34	A biotinylated analog of the anti-proliferative prostaglandin A1 allows assessment of PPAR-independent effects and identification of novel cellular targets for covalent modification. Chemico-Biological Interactions, 2010, 183, 212-221.	4.0	24
35	Evidence of Altered Glycosylation of Serum Proteins Prior to Pancreatic Cancer Diagnosis. International Journal of Molecular Sciences, 2017, 18, 2670.	4.1	23
36	Non-Histone Protein Methylation: Biological Significance and Bioengineering Potential. ACS Chemical Biology, 2021, 16, 238-250.	3.4	23

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37	Molecular characterisation of post-bio-electrosprayed human brain astrocytoma cells. Analyst, The, 2010, 135, 2600.	3.5	19
38	Multi-Marker Longitudinal Algorithms Incorporating HE4 and CA125 in Ovarian Cancer Screening of Postmenopausal Women. Cancers, 2020, 12, 1931.	3.7	18
39	Proteomic response ofSchizosaccharomyces pombe to static and oscillating extremely low-frequency electromagnetic fields. Proteomics, 2006, 6, 4755-4764.	2.2	17
40	Serum Proteomic Abnormality Predating Screen Detection of Ovarian Cancer. Computer Journal, 2009, 52, 326-333.	2.4	15
41	Conformal predictors in early diagnostics of ovarian and breast cancers. Progress in Artificial Intelligence, 2012, 1, 245-257.	2.4	14
42	Change-point of multiple biomarkers in women with ovarian cancer. Biomedical Signal Processing and Control, 2017, 33, 169-177.	5.7	13
43	Advances in mass spectrometry-based cancer research and analysis: from cancer proteomics to clinical diagnostics. Expert Review of Proteomics, 2016, 13, 593-607.	3.0	12
44	A complex of Shc and Ran-GTPase localises to the cell nucleus. Cellular and Molecular Life Sciences, 2009, 66, 711-720.	5.4	10
45	Multiprobabilistic prediction in early medical diagnoses. Annals of Mathematics and Artificial Intelligence, 2015, 74, 203-222.	1.3	9
46	IMAC/TiO$_2$ enrich for peptide modifications other than phosphorylation: Implications for chromatographic choice and database searching in phosphoproteomics. Proteomics, 2011, 11, 4583-4587.	2.2	6
47	Effects of ErbB2 Overexpression on the Proteome and ErbB Ligand-specific Phosphosignaling in Mammary Luminal Epithelial Cells. Molecular and Cellular Proteomics, 2017, 16, 608-621.	3.8	6
48	HNRNPA1 interacts with a 5â€²-flanking distal element of interleukin-6 and upregulates its basal transcription. Genes and Immunity, 2013, 14, 479-486.	4.1	5
49	Novel diagnostic and prognostic biomarkers in biliary tract cancer. Expert Opinion on Medical Diagnostics, 2013, 7, 487-499.	1.6	5
50	Functional Proteomic Analysis of Long-term Growth Factor Stimulation and Receptor Tyrosine Kinase Coactivation in Swiss 3T3 Fibroblasts. Molecular and Cellular Proteomics, 2012, 11, 1690-1708.	3.8	3
51	PWE-055â€¦Characterisation of serum proteins in biliary tract cancer, primary sclerosing cholangitis and immunoglobulin G4-associated cholangitis using 2-dimensional difference gel electrophoresis and tandem mass spectrometry. Gut, 2010, 59, A106.2-A107.	12.1	0
52	PTU-082â€¦Serum CEACAM1 in the preclinical diagnosis of pancreatic adenocarcinoma. Gut, 2010, 59, A82.1-A82.	12.1	0