

# John K Heath

## List of Publications by Year in descending order

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64  
papers

5,638  
citations

117453

34  
h-index

118652

62  
g-index

64  
all docs

64  
docs citations

64  
times ranked

6497  
citing authors

#	ARTICLE	IF	CITATIONS
1	Differential responses to kinase inhibition in FGFR2-addicted triple negative breast cancer cells: a quantitative phosphoproteomics study. <i>Scientific Reports</i> , 2020, 10, 7950.	1.6	10
2	Quantifying receptor trafficking and colocalization with confocal microscopy. <i>Methods</i> , 2017, 115, 42-54.	1.9	65
3	Quantitative Phosphoproteomics Reveals a Role for Collapsin Response Mediator Protein 2 in PDGF-Induced Cell Migration. <i>Scientific Reports</i> , 2017, 7, 3970.	1.6	8
4	Regulation of Platelet Derived Growth Factor Signaling by Leukocyte Common Antigen-related (LAR) Protein Tyrosine Phosphatase: A Quantitative Phosphoproteomics Study. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1823-1836.	2.5	10
5	LAR protein tyrosine phosphatase regulates focal adhesions via CDK1. <i>Journal of Cell Science</i> , 2016, 129, 2962-71.	1.2	52
6	FAIMS and Phosphoproteomics of Fibroblast Growth Factor Signaling: Enhanced Identification of Multiply Phosphorylated Peptides. <i>Journal of Proteome Research</i> , 2015, 14, 5077-5087.	1.8	23
7	Robust twin boosting for feature selection from high-dimensional omics data with label noise. <i>Information Sciences</i> , 2015, 291, 1-18.	4.0	32
8	Inference of Low and High-Grade Glioma Gene Regulatory Networks Delineates the Role of Rnd3 in Establishing Multiple Hallmarks of Cancer. <i>PLoS Genetics</i> , 2015, 11, e1005325.	1.5	14
9	The non-receptor tyrosine kinase Ack1 regulates activated EGFR fate by inducing trafficking to the p62/NBR1 pre-autophagosome. <i>Journal of Cell Science</i> , 2014, 127, 994-1006.	1.2	29
10	Epidermal Growth Factor Receptor substrate 8 (Eps8) controls Src/FAK-dependent phenotypes in squamous carcinoma cells. <i>Journal of Cell Science</i> , 2014, 127, 5303-16.	1.2	21
11	Regulation of fibroblast growth factor receptor signalling and trafficking by Src and Eps8. <i>Journal of Cell Science</i> , 2013, 126, 613-624.	1.2	67
12	Probing the Complementarity of FAIMS and Strong Cation Exchange Chromatography in Shotgun Proteomics. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 431-443.	1.2	30
13	Novel Binding Partners and Differentially Regulated Phosphorylation Sites Clarify Eps8 as a Multi-Functional Adaptor. <i>PLoS ONE</i> , 2013, 8, e61513.	1.1	12
14	Plakoglobin-dependent regulation of keratinocyte APOPTOSIS by Rnd3. <i>Journal of Cell Science</i> , 2012, 125, 3202-9.	1.2	13
15	Computational Modeling of Biological Pathways by Executable Biology. <i>Methods in Enzymology</i> , 2011, 487, 217-251.	0.4	6
16	Identification and characterization of an inhibitory fibroblast growth factor receptor 2 (FGFR2) molecule, up-regulated in an Apert Syndrome mouse model. <i>Biochemical Journal</i> , 2011, 436, 71-81.	1.7	13
17	Nbr1 Is a Novel Inhibitor of Ligand-Mediated Receptor Tyrosine Kinase Degradation. <i>Molecular and Cellular Biology</i> , 2010, 30, 5672-5685.	1.1	44
18	Signal Transducers and Activators of Transcription-3 Binding to the Fibroblast Growth Factor Receptor Is Activated by Receptor Amplification. <i>Cancer Research</i> , 2010, 70, 3391-3401.	0.4	156

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19	Differential Phosphoproteomics of Fibroblast Growth Factor Signaling: Identification of Src Family Kinase-Mediated Phosphorylation Events. <i>Journal of Proteome Research</i> , 2010, 9, 2317-2328.	1.8	46
20	Critical Role of FLRT1 Phosphorylation in the Interdependent Regulation of FLRT1 Function and FGF Receptor Signalling. <i>PLoS ONE</i> , 2010, 5, e10264.	1.1	21
21	Spred2 interaction with the late endosomal protein NBR1 down-regulates fibroblast growth factor receptor signaling. <i>Journal of Cell Biology</i> , 2009, 187, 265-277.	2.3	45
22	Large Scale Localization of Protein Phosphorylation by Use of Electron Capture Dissociation Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 904-912.	2.5	79
23	Narrative-based computational modelling of the Gp130/JAK/STAT signalling pathway. <i>BMC Systems Biology</i> , 2009, 3, 40.	3.0	24
24	Database Search Strategies for Proteomic Data Sets Generated by Electron Capture Dissociation Mass Spectrometry. <i>Journal of Proteome Research</i> , 2009, 8, 5475-5484.	1.8	14
25	SLoMo: Automated Site Localization of Modifications from ETD/ECD Mass Spectra. <i>Journal of Proteome Research</i> , 2009, 8, 1965-1971.	1.8	92
26	Biological pathways as communicating computer systems. <i>Journal of Cell Science</i> , 2009, 122, 2793-2800.	1.2	20
27	The Equivalence between Biology and Computation. <i>Lecture Notes in Computer Science</i> , 2009, , 18-25.	1.0	4
28	Probabilistic model checking of complex biological pathways. <i>Theoretical Computer Science</i> , 2008, 391, 239-257.	0.5	136
29	Targeted Online Liquid Chromatography Electron Capture Dissociation Mass Spectrometry for the Localization of Sites of in Vivo Phosphorylation in Human Sprouty2. <i>Analytical Chemistry</i> , 2008, 80, 6650-6657.	3.2	30
30	The Deleted in Brachydactyly B Domain of ROR2 Is Required for Receptor Activation by Recruitment of Src. <i>PLoS ONE</i> , 2008, 3, e1873.	1.1	64
31	Protein partners in the life history of activated fibroblast growth factor receptors. <i>Proteomics</i> , 2007, 7, 4565-4578.	1.3	19
32	Src kinase modulates the activation, transport and signalling dynamics of fibroblast growth factor receptors. <i>EMBO Reports</i> , 2007, 8, 1162-1169.	2.0	89
33	The Dynamics of Signal Triggering in a gp130-Receptor Complex. <i>Structure</i> , 2007, 15, 441-448.	1.6	67
34	An Automated Translation from a Narrative Language for Biological Modelling into Process Algebra. <i>Lecture Notes in Computer Science</i> , 2007, , 136-151.	1.0	16
35	Regulated expression of FLRT genes implies a functional role in the regulation of FGF signalling during mouse development. <i>Developmental Biology</i> , 2006, 297, 14-25.	0.9	79
36	Oncostatin M (OSM) Cytostasis of Breast Tumor Cells: Characterization of an OSM Receptor Specific Kernel. <i>Cancer Research</i> , 2006, 66, 10891-10901.	0.4	46

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37	Simulation and Verification for Computational Modelling of Signalling Pathways. , 2006, , .		14
38	The Production of Interleukin-11 and Decidualization Are Compromised in Endometrial Stromal Cells Derived from Patients with Infertility. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 1607-1612.	1.8	57
39	Fourier Transform Ion Cyclotron Resonance Mass Spectrometry for the Analysis of Small Ubiquitin-like Modifier (SUMO) Modification: A Identification of Lysines in RanBP2 and SUMO Targeted for Modification during the E3 AutoSUMOylation Reaction. Analytical Chemistry, 2005, 77, 6310-6319.	3.2	51
40	Data-Dependent Electron Capture Dissociation FT-ICR Mass Spectrometry for Proteomic Analyses. Journal of Proteome Research, 2005, 4, 1538-1544.	1.8	132
41	Residue-specific immobilization of protein molecules by size-selected clusters. Journal of the Royal Society Interface, 2005, 2, 169-175.	1.5	15
42	Skeletal development is regulated by fibroblast growth factor receptor 1 signalling dynamics. Development (Cambridge), 2004, 131, 325-335.	1.2	58
43	FRS2-dependent SRC activation is required for fibroblast growth factor receptor-induced phosphorylation of Sprouty and suppression of ERK activity. Journal of Cell Science, 2004, 117, 6007-6017.	1.2	52
44	Identification of Sites of Ubiquitination in Proteins: A Fourier Transform Ion Cyclotron Resonance Mass Spectrometry Approach. Analytical Chemistry, 2004, 76, 6982-6988.	3.2	50
45	Expression and function of interleukin-11 and its receptor alpha in the human endometrium. Molecular Human Reproduction, 2003, 9, 75-80.	1.3	37
46	Mutations in the Immunoglobulin-like Domain of gp190, the Leukemia Inhibitory Factor (LIF) Receptor, Increase or Decrease Its Affinity for LIF. Journal of Biological Chemistry, 2003, 278, 16253-16261.	1.6	18
47	Functional Characterization of W147A: A High-Affinity Interleukin-11 Antagonist. Endocrinology, 2003, 144, 3406-3414.	1.4	33
48	Association of the Signaling Adaptor FRS2 with Fibroblast Growth Factor Receptor 1 (Fgfr1) Is Mediated by Alternative Splicing of the Juxtamembrane Domain. Journal of Biological Chemistry, 2002, 277, 4018-4023.	1.6	62
49	Expression patterns of fibroblast growth factors-18 and -20 in mouse embryos is suggestive of novel roles in calvarial and limb development. Mechanisms of Development, 2002, 113, 79-83.	1.7	61
50	Leukemia Inhibitory Factor Determines the Growth Status of Injured Adult Sensory Neurons. Journal of Neuroscience, 2001, 21, 7161-7170.	1.7	179
51	Crystal structure and functional dissection of the cytostatic cytokine oncostatin M. Structure, 2000, 8, 863-874.	1.6	52
52	Interleukin-11 Signals through the Formation of a Hexameric Receptor Complex. Journal of Biological Chemistry, 2000, 275, 36197-36203.	1.6	85
53	Identification of Three Distinct Receptor Binding Sites of Murine Interleukin-11. Journal of Biological Chemistry, 1999, 274, 5755-5761.	1.6	60
54	An Antagonist for the Leukemia Inhibitory Factor Receptor Inhibits Leukemia Inhibitory Factor, Cardiotrophin-1, Ciliary Neurotrophic Factor, and Oncostatin M. Journal of Biological Chemistry, 1997, 272, 26947-26952.	1.6	50

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55	Aggressiveness, hypoalgesia and high blood pressure in mice lacking the adenosine A2a receptor. <i>Nature</i> , 1997, 388, 674-678.	13.7	856
56	Mediation of interleukin-11-dependent biological responses by a soluble form of the interleukin-11 receptor. <i>Biochemical Journal</i> , 1996, 318, 489-495.	1.7	52
57	Spatial and temporal relationships between Shh, Fgf4, and Fgf8 gene expression at diverse signalling centers during mouse development. , 1996, 207, 291-299.		31
58	Characterization of the Receptor Binding Sites of Human Leukemia Inhibitory Factor and Creation of Antagonists. <i>Journal of Biological Chemistry</i> , 1996, 271, 11971-11978.	1.6	89
59	Functions of fibroblast growth factors and their receptors. <i>Current Biology</i> , 1995, 5, 500-507.	1.8	253
60	Developmentally regulated expression of fibroblast growth factor receptor genes and splice variants by murine embryonic stem and embryonal carcinoma cells. <i>Genesis</i> , 1994, 15, 148-154.	3.1	20
61	Can there be life without LIF?. <i>Nature</i> , 1992, 359, 17-17.	13.7	14
62	Growth and differentiation factors of pluripotential stem cells. <i>Journal of Cell Science</i> , 1990, 1990, 75-85.	1.2	17
63	Expression of Genes for Non-Collagenous Proteins During Embryonic Bone Formation. <i>Connective Tissue Research</i> , 1989, 21, 31-39.	1.1	14
64	Inhibition of pluripotential embryonic stem cell differentiation by purified polypeptides. <i>Nature</i> , 1988, 336, 688-690.	13.7	1,730