

John K Heath

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9520508/publications.pdf>

Version: 2024-02-01

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 | Inhibition of pluripotential embryonic stem cell differentiation by purified polypeptides. <i>Nature</i> , 1988, 336, 688-690. | 13.7 | 1,730 |
| 2 | Aggressiveness, hypoalgesia and high blood pressure in mice lacking the adenosine A2a receptor. <i>Nature</i> , 1997, 388, 674-678. | 13.7 | 856 |
| 3 | Functions of fibroblast growth factors and their receptors. <i>Current Biology</i> , 1995, 5, 500-507. | 1.8 | 253 |
| 4 | Leukemia Inhibitory Factor Determines the Growth Status of Injured Adult Sensory Neurons. <i>Journal of Neuroscience</i> , 2001, 21, 7161-7170. | 1.7 | 179 |
| 5 | 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 |
| 6 | Probabilistic model checking of complex biological pathways. <i>Theoretical Computer Science</i> , 2008, 391, 239-257. | 0.5 | 136 |
| 7 | Data-Dependent Electron Capture Dissociation FT ⁺ ICR Mass Spectrometry for Proteomic Analyses. <i>Journal of Proteome Research</i> , 2005, 4, 1538-1544. | 1.8 | 132 |
| 8 | SLoMo: Automated Site Localization of Modifications from ETD/ECD Mass Spectra. <i>Journal of Proteome Research</i> , 2009, 8, 1965-1971. | 1.8 | 92 |
| 9 | 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 |
| 10 | 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 |
| 11 | Interleukin-11 Signals through the Formation of a Hexameric Receptor Complex. <i>Journal of Biological Chemistry</i> , 2000, 275, 36197-36203. | 1.6 | 85 |
| 12 | 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 |
| 13 | 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 |
| 14 | The Dynamics of Signal Triggering in a gp130-Receptor Complex. <i>Structure</i> , 2007, 15, 441-448. | 1.6 | 67 |
| 15 | 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 |
| 16 | Quantifying receptor trafficking and colocalization with confocal microscopy. <i>Methods</i> , 2017, 115, 42-54. | 1.9 | 65 |
| 17 | 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 |
| 18 | Association of the Signaling Adaptor FRS2 with Fibroblast Growth Factor Receptor 1 (Fgfr1) Is Mediated by Alternative Splicing of the Juxtamembrane Domain. <i>Journal of Biological Chemistry</i> , 2002, 277, 4018-4023. | 1.6 | 62 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Expression patterns of fibroblast growth factors-18 and -20 in mouse embryos is suggestive of novel roles in calvarial and limb development. <i>Mechanisms of Development</i> , 2002, 113, 79-83. | 1.7 | 61 |
| 20 | Identification of Three Distinct Receptor Binding Sites of Murine Interleukin-11. <i>Journal of Biological Chemistry</i> , 1999, 274, 5755-5761. | 1.6 | 60 |
| 21 | Skeletal development is regulated by fibroblast growth factor receptor 1 signalling dynamics. <i>Development (Cambridge)</i> , 2004, 131, 325-335. | 1.2 | 58 |
| 22 | The Production of Interleukin-11 and Decidualization Are Compromised in Endometrial Stromal Cells Derived from Patients with Infertility. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 1607-1612. | 1.8 | 57 |
| 23 | 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 |
| 24 | Crystal structure and functional dissection of the cytostatic cytokine oncostatin M. <i>Structure</i> , 2000, 8, 863-874. | 1.6 | 52 |
| 25 | FRS2-dependent SRC activation is required for fibroblast growth factor receptor-induced phosphorylation of Sprouty and suppression of ERK activity. <i>Journal of Cell Science</i> , 2004, 117, 6007-6017. | 1.2 | 52 |
| 26 | LAR protein tyrosine phosphatase regulates focal adhesions via CDK1. <i>Journal of Cell Science</i> , 2016, 129, 2962-71. | 1.2 | 52 |
| 27 | 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. <i>Analytical Chemistry</i> , 2005, 77, 6310-6319. | 3.2 | 51 |
| 28 | An Antagonist for the Leukemia Inhibitory Factor Receptor Inhibits Leukemia Inhibitory Factor, Cardiotrophin-1, Ciliary Neurotrophic Factor, and Oncostatin M. <i>Journal of Biological Chemistry</i> , 1997, 272, 26947-26952. | 1.6 | 50 |
| 29 | Identification of Sites of Ubiquitination in Proteins: A Fourier Transform Ion Cyclotron Resonance Mass Spectrometry Approach. <i>Analytical Chemistry</i> , 2004, 76, 6982-6988. | 3.2 | 50 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | Expression and function of interleukin-11 and its receptor alpha in the human endometrium. <i>Molecular Human Reproduction</i> , 2003, 9, 75-80. | 1.3 | 37 |
| 35 | Functional Characterization of W147A: A High-Affinity Interleukin-11 Antagonist. <i>Endocrinology</i> , 2003, 144, 3406-3414. | 1.4 | 33 |
| 36 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Spatial and temporal relationships between Shh, Fgf4, and Fgf8 gene expression at diverse signalling centers during mouse development. , 1996, 207, 291-299. | | 31 |
| 38 | Targeted Online Liquid Chromatography Electron Capture Dissociation Mass Spectrometry for the Localization of Sites of in Vivo Phosphorylation in Human Sprouty2. Analytical Chemistry, 2008, 80, 6650-6657. | 3.2 | 30 |
| 39 | Probing the Complementarity of FAIMS and Strong Cation Exchange Chromatography in Shotgun Proteomics. Journal of the American Society for Mass Spectrometry, 2013, 24, 431-443. | 1.2 | 30 |
| 40 | The non-receptor tyrosine kinase Ack1 regulates activated EGFR fate by inducing trafficking to the p62/NBR1 pre-autophagosome. Journal of Cell Science, 2014, 127, 994-1006. | 1.2 | 29 |
| 41 | Narrative-based computational modelling of the Gp130/JAK/STAT signalling pathway. BMC Systems Biology, 2009, 3, 40. | 3.0 | 24 |
| 42 | FAIMS and Phosphoproteomics of Fibroblast Growth Factor Signaling: Enhanced Identification of Multiply Phosphorylated Peptides. Journal of Proteome Research, 2015, 14, 5077-5087. | 1.8 | 23 |
| 43 | Epidermal Growth Factor Receptor substrate 8 (Eps8) controls Src/FAK-dependent phenotypes in squamous carcinoma cells. Journal of Cell Science, 2014, 127, 5303-16. | 1.2 | 21 |
| 44 | Critical Role of FLRT1 Phosphorylation in the Interdependent Regulation of FLRT1 Function and FGF Receptor Signalling. PLoS ONE, 2010, 5, e10264. | 1.1 | 21 |
| 45 | Developmentally regulated expression of fibroblast growth factor receptor genes and splice variants by murine embryonic stem and embryonal carcinoma cells. Genesis, 1994, 15, 148-154. | 3.1 | 20 |
| 46 | Biological pathways as communicating computer systems. Journal of Cell Science, 2009, 122, 2793-2800. | 1.2 | 20 |
| 47 | Protein partners in the life history of activated fibroblast growth factor receptors. Proteomics, 2007, 7, 4565-4578. | 1.3 | 19 |
| 48 | 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 |
| 49 | Growth and differentiation factors of pluripotent stem cells. Journal of Cell Science, 1990, 1990, 75-85. | 1.2 | 17 |
| 50 | An Automated Translation from a Narrative Language for Biological Modelling into Process Algebra. Lecture Notes in Computer Science, 2007, , 136-151. | 1.0 | 16 |
| 51 | Residue-specific immobilization of protein molecules by size-selected clusters. Journal of the Royal Society Interface, 2005, 2, 169-175. | 1.5 | 15 |
| 52 | Expression of Genes for Non-Collagenous Proteins During Embryonic Bone Formation. Connective Tissue Research, 1989, 21, 31-39. | 1.1 | 14 |
| 53 | Can there be life without LIF?. Nature, 1992, 359, 17-17. | 13.7 | 14 |
| 54 | Simulation and Verification for Computational Modelling of Signalling Pathways. , 2006, , . | | 14 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | 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 |
| 56 | 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 |
| 57 | 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 |
| 58 | Plakoglobin-dependent regulation of keratinocyte APOPTOSIS by Rnd3. <i>Journal of Cell Science</i> , 2012, 125, 3202-9. | 1.2 | 13 |
| 59 | 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 |
| 60 | 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 |
| 61 | 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 |
| 62 | 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 |
| 63 | Computational Modeling of Biological Pathways by Executable Biology. <i>Methods in Enzymology</i> , 2011, 487, 217-251. | 0.4 | 6 |
| 64 | The Equivalence between Biology and Computation. <i>Lecture Notes in Computer Science</i> , 2009, , 18-25. | 1.0 | 4 |