

Swathi Arur

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,383
citations

623734

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477307

29
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docs citations

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times ranked

1644
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | COSA-1 Reveals Robust Homeostasis and Separable Licensing and Reinforcement Steps Governing Meiotic Crossovers. <i>Cell</i> , 2012, 149, 75-87. | 28.9 | 231 |
| 2 | A High-Resolution <i>C.Âelegans</i> Essential Gene Network Based on Phenotypic Profiling of a Complex Tissue. <i>Cell</i> , 2011, 145, 470-482. | 28.9 | 193 |
| 3 | Multiple Functions and Dynamic Activation of MPK-1 Extracellular Signal-Regulated Kinase Signaling in <i>Caenorhabditis elegans</i> Germline Development. <i>Genetics</i> , 2007, 177, 2039-2062. | 2.9 | 166 |
| 4 | Conserved insulin signaling in the regulation of oocyte growth, development, and maturation. <i>Molecular Reproduction and Development</i> , 2017, 84, 444-459. | 2.0 | 136 |
| 5 | Multiple ERK substrates execute single biological processes in <i>Caenorhabditis elegans</i> germ-line development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 4776-4781. | 7.1 | 113 |
| 6 | DAF-2 and ERK Couple Nutrient Availability to Meiotic Progression during <i>Caenorhabditis elegans</i> Oogenesis. <i>Developmental Cell</i> , 2013, 27, 227-240. | 7.0 | 66 |
| 7 | Insulin-like signalling to the maternal germline controls progeny response to osmotic stress. <i>Nature Cell Biology</i> , 2017, 19, 252-257. | 10.3 | 65 |
| 8 | A Requirement for ERK-Dependent Dicer Phosphorylation in Coordinating Oocyte-to-Embryo Transition in <i>C.Âelegans</i> . <i>Developmental Cell</i> , 2014, 31, 614-628. | 7.0 | 63 |
| 9 | MPK-1 ERK Controls Membrane Organization in <i>C.Âelegans</i> Oogenesis via a Sex-Determination Module. <i>Developmental Cell</i> , 2011, 20, 677-688. | 7.0 | 56 |
| 10 | Androgen receptor blockade promotes response to BRAF/MEK-targeted therapy. <i>Nature</i> , 2022, 606, 797-803. | 27.8 | 54 |
| 11 | Signaling-Mediated Regulation of Meiotic Prophase I and Transition During Oogenesis. <i>Results and Problems in Cell Differentiation</i> , 2017, 59, 101-123. | 0.7 | 27 |
| 12 | Interaction with Shc prevents aberrant Erk activation in the absence of extracellular stimuli. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 620-627. | 8.2 | 23 |
| 13 | Generation and purification of highly specific antibodies for detecting post-translationally modified proteins in vivo. <i>Nature Protocols</i> , 2014, 9, 375-395. | 12.0 | 21 |
| 14 | Collaborative Control of Cell Cycle Progression by the RNA Exonuclease Dis3 and Ras Is Conserved Across Species. <i>Genetics</i> , 2016, 203, 749-762. | 2.9 | 19 |
| 15 | Spatial and Temporal Analysis of Active ERK in the <i>C. elegans</i> Germline. <i>Journal of Visualized Experiments</i> , 2016, , . | 0.3 | 18 |
| 16 | TRX-1 Regulates SKN-1 Nuclear Localization Cell Non-autonomously in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2016, 203, 387-402. | 2.9 | 18 |
| 17 | Functional genomic analysis identifies miRNA repertoire regulating <i>C. elegans</i> oocyte development. <i>Nature Communications</i> , 2018, 9, 5318. | 12.8 | 17 |
| 18 | ERK phosphorylates chromosomal axis component HORMA domain protein HTP-1 to regulate oocyte numbers. <i>Science Advances</i> , 2020, 6, . | 10.3 | 14 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Robust designation of meiotic crossover sites by CDK-2 through phosphorylation of the MutS ³ complex. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2117865119. | 7.1 | 14 |
| 20 | GSK-3 promotes S phase entry and progression in <i>C. elegans</i> germline stem cells to maintain tissue output. Development (Cambridge), 2018, 145, . | 2.5 | 13 |
| 21 | Constitutive Dicer1 phosphorylation accelerates metabolism and aging in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 960-969. | 7.1 | 13 |
| 22 | Dicer1 Phosphomimetic Promotes Tumor Progression and Dissemination. Cancer Research, 2019, 79, 2662-2668. | 0.9 | 10 |
| 23 | A Transport Model for Estimating the Time Course of ERK Activation in the <i>C. elegans</i> Germline. Biophysical Journal, 2015, 109, 2436-2445. | 0.5 | 8 |
| 24 | Phosphorylation of HORMA-domain protein HTP-3 at Serine 285 is dispensable for crossover formation. G3: Genes, Genomes, Genetics, 2022, 12, . | 1.8 | 6 |
| 25 | The microRNA processor <i>DROSHA</i> is a candidate gene for a severe progressive neurological disorder. Human Molecular Genetics, 2022, 31, 2934-2950. | 2.9 | 6 |
| 26 | Context-dependent regulation of Dicer activity and small RNA production: Implications to oocyte-to-embryo transition. Worm, 2015, 4, e1086062. | 1.0 | 4 |
| 27 | Discovering Functional ERK Substrates Regulating <i>Caenorhabditis elegans</i> Germline Development. Methods in Molecular Biology, 2017, 1487, 317-335. | 0.9 | 4 |
| 28 | Reevaluation of the role of LIP-1 as an ERK/MPK-1 dual specificity phosphatase in the <i>C. elegans</i> germline. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, . | 7.1 | 2 |
| 29 | In Situ Hybridization for Detecting Mature MicroRNAs In Vivo at Single-Cell Resolution. Current Protocols in Molecular Biology, 2019, 127, e93. | 2.9 | 1 |
| 30 | GFP::PCN-1 does not reliably mark S phase in adult germline progenitor zone cells. MicroPublication Biology, 2018, 2018, . | 0.1 | 0 |
| 31 | In preprints: buckling under pressure during gastrulation. Development (Cambridge), 2022, 149, . | 2.5 | 0 |